

Using Application Services REST APIs

vRealize Automation 6.2

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VMware, Inc.
3401 Hillview Ave.
Palo Alto, CA 94304
www.vmware.com

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Using Application Services REST APIs

Using Application Services REST APIs provides information about Representational State Transfer (REST) APIs to software developers who are interested in creating RESTful clients.

This guide describes how to use REST APIs to automate an application deployment, configure cloud and service components, update a deployed application, and tear down a deployed application from a cloud environment in Application Services. You can use clients of the REST APIs to register for Advanced Message Queuing Protocol (AMQP) notifications when Application Services operations occur.

Intended Audience

This information is intended for software developers who are building hybrid cloud services. Developers must be familiar with technologies such as JSON, HTTPS, and AMQP.

Using Application Services REST APIs

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Application Services supports REST API 2.0, including export and import APIs. REST API 1.0 is not supported.

Before you implement the REST APIs for automation purposes, verify the availability of application blueprints in the Application Services appliance user interface. You can also import application blueprints from vFabric Application Director 5.0 and 5.2, and vCloud Application Director 6.0, to the vCloud Application Director 6.0.1 appliance. You can then migrate the 6.0.1 appliance server data and agents to Application Services 6.1. You can then upgrade to subsequent releases using normal upgrade procedures.

You can also import and export application blueprints between different Application Services appliances.

For information about migrating vCloud Application Director 6.0.1 to Application Services 6.1, see *Using Application Services*.

For information about upgrading to the current Application Services release, see *Using Application Services*.

Set Up Environment

You must download and install a REST client application in your Web browser to make HTTP requests. The REST client must use valid user credentials to access the Application Services server.

IMPORTANT You cannot simultaneously use the REST client application on a Web browser tab and log in to Application Services appliance on another Web browser tab.

Use Basic Auth to authenticate with the Application Services server. Set Content-type and Accept HTTP headers to **application/json** in the REST client application.

The **darwin-tenant-id** HTTP header is used to specify the tenant name. The value of that header is the name of a tenant. If the header is not set, then the default tenant is used to process REST calls. The default tenant name is `vsphere.local`.

You specify the business group of a new object by adding a special HTTP header called **darwin-user-current-group**. The value of the header must be the name of the business group, otherwise the REST API uses the business group of the logged-in user.

Use the `darwin-user-current-group` header to perform the following tasks.

- When you request for a list of objects, you get objects from all the business groups that you access.
- When you create a new object, you must specify the business group that the object belongs to. This is also valid for GUI.
- You can specify business groups in two ways.
 - Use **darwin-user-current-group** header with the value as business group name.

- Include the business group ID or the name in the JSON representation of the created object that you submit to the server.

All of the URIs in REST API 2.0 have the prefix `https://ApplicationServicesServerIP:8443/darwin/api/2.0`.

Resources

The REST API manages a set of resources, all of which are uniquely identifiable through a string identifier. The API also manages a collection of these resources. For example, the URI for a single resource instance can be `https://ApplicationServicesServerIP:8443/darwin/api/2.0/ResourceTypeID`. The collection of the resource might return one or more different URIs.

For a sample deployment environment instance with an ID=5, the URI is `https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-environment/5`. In this example, the URIs refer to a different collection of deployment environments `https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-environment?page=1&page-size=5` and `https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/4/deployment-environment`.

Table 1-1. List of Resources and Corresponding URIs

Resource Name	Resource URI
Certificate	<code>.../certificate/CertificateID</code>
Cloud Provider Type	<code>.../cloud-provider-type/CloudProviderTypeID</code>
Cloud Provider	<code>.../cloud-provider/CloudProviderID</code>
Deployment Environment	<code>.../deployment-environment/DeploymentEnvironmentID</code>
Application	<code>.../application/ ApplicationID</code>
Application Version	<code>.../application-version/ApplicationVersionID</code>
Logical Template Version	<code>.../logical-template-version/LogicalTemplateVersionID</code>
Service Version	<code>.../service-version/ServiceVersionID</code>
Operating System Version	<code>.../operating-system-version/OperatingSystemVersionID</code>
Tag	<code>.../tag/TagID</code>
Deployment Profile	<code>.../deployment-profile/DeploymentProfileID</code>
Blueprint	<code>.../blueprint/BlueprintID</code>
Cloud Template	<code>.../registered-physical-template/RegisteredPhysicalTemplateID</code>
Deployment	<code>.../deployment/DeploymentID</code>
Deployment Task	<code>.../deployment-task/DeploymentTaskID</code>
Update Profile	<code>.../update-profile/UpdateProfileID</code>

References

REST APIs use references to resources and resource collections wherever possible to keep the data size concise and tractable. The Application Services REST API supports the following types of references.

Resource References	Point to existing resources. They include the identifier of the resource, the name of the resource, and the relative URI used to access the resource.
List References	Point to a collection of resources. List references include only a relative URI that returns a list of resources.
External References	Point to items that are external to Application Services. They include an identifier that points to an external item such as a cloud template and the name of the external resource.

HTTP Methods

The REST APIs support the following HTTP methods.

GET	Retrieve data.
POST	Modify data, perform an action, or create an object.
PUT	Modify or replace data.
DELETE	Delete data.

Concurrency Control and *lockVersion*

Application Services uses the *lockVersion* variable and an optimistic concurrency control scheme to manage user database changes. Every time the server updates a database object, it increments the *lockVersion* value of that object by one. The initial value of *lockVersion* is 0.

You can monitor the value of *lockVersion* to avoid overwriting changes made by someone else, and to ensure that you are using the latest version of an object. Before you post a change, retrieve the object to change. If the *lockVersion* value of the object has not changed since your last retrieval, then you can safely post your change. If the *lockVersion* value has changed, then do not post your change to the object. Instead, make your change to the latest version of the object and post it when *lockVersion* indicates that no change has occurred.

As an alternative, you can try to save an object without monitoring the value of *lockVersion*. If the value has changed, you get a concurrency exception. You then retrieve the latest version of the object, reapply the changes to that version, and repeat the save operation. The following JSON example shows a concurrency exception returned during an unsuccessful update operation.

```
{
  "errors": true,
  "messageList": [
    {
      "messageType": "ERROR",
      "message": "Could not perform the operation because another session
        has modified the referenced objects.",
      "messageKey": "exceptionTranslator.optimisticLockException.generic",
      "property": null
    }
  ],
  "result": null
}
```

The monitoring approach reduces the chance of a concurrency exception by retrieving an object again just before saving it, but it loses some efficiency. The non-monitoring approach tries to save an object and reacts to a concurrency exception when it occurs. If few concurrency exceptions occur, efficiency increases.

NOTE Do not change the value of *lockVersion*. Only the server must change it.

REST APIs for Business Groups

You can view a list of business groups a user belongs to and the group details of the logged in user only. You cannot view the list of business groups another user belongs to in the same login session.

Business Groups

Retrieves a list of business groups that the logged in Application Services user belongs to.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/group`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/group`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 3,
  "results": [
    {
      "id": "2",
      "lockVersion": 1,
      "name": "QA",
      "description": "Quality Assurance.",
      "lastUpdated": 1378692213749,
      "lastUpdateUser": "SYSTEM",
      "created": 1378692213749,
      "createUser": "SYSTEM"
    },
    {
      "id": "1",
```

```

    "lockVersion": 1,
    "name": "Default",
    "description": "The Default vCloud Application Services group.",
    "lastUpdated": 1378692213591,
    "lastUpdateUser": "SYSTEM",
    "created": 1378692213591,
    "createUser": "SYSTEM"
  },
  {
    "id": "3",
    "lockVersion": 1,
    "name": "R-D",
    "description": "Research and development.",
    "lastUpdated": 1378692213750,
    "lastUpdateUser": "SYSTEM",
    "created": 1378692213750,
    "createUser": "SYSTEM"
  }
]
}

```

Get Business Group Details

Retrieves current business group details of the user logged in to Application Services.

All of the Application Services roles can access this API.

NOTE This API is retained only for backward compatibility. It always returns the same response.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/group/current`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/group/current`

Response

```

{
  "errors": true,
  "messageList": [
    {
      "messageType": "ERROR",
      "message": "Current group concept does not exist.",
      "messageKey": "user.current.group.not.exist.msg",
      "property": null
    }
  ],
  "result": null
}

```

REST APIs for Certificates

You can view the available certificates from the truststore and import existing certificates to the Application Services server trusted list.

Get Certificates

Retrieves all of the existing certificates from the truststore.

The system administrator can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/certificate`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/certificate`

Response

```
{
  "errors":false,
  "messageList":[
  ],
  "count":0,
  "results":[
    {
      "id":"1",
      "lockVersion":0,
      "name":"appd.test1",
      "description":"appd test1 host",
      "lastUpdated":1379543429798,
      "lastUpdateUser":"admin",
      "created":1379543429798,
      "createUser":"admin",
      "alias":"appd.test1",
      "type":"Certificate",
```

```

      "thumbprint": "AF:8B:67:62:A1:E5:28:22:81:61:A9:5D:5C:55:9E:E2:66:27:8F:75:D7:9E:
83:01:89:A5:03:50:6A:BD:6B:4C"
    },
    {
      "id": "2",
      "lockVersion": 0,
      "name": "appd.test2",
      "description": "appd test2 host",
      "lastUpdated": 1379543839084,
      "lastUpdateUser": "admin",
      "created": 1379543839084,
      "createUser": "admin",
      "alias": "appd.test2",
      "type": "Certificate",
      "thumbprint": "AF:8B:67:62:A1:E5:28:22:81:61:A9:5D:5C:55:9E:E2:66:27:8F:75:D7:9E:
83:01:89:A5:03:50:6A:BD:6B:4C"
    }
  ]
}

```

Get Certificate Details

Retrieves the existing certificates from the truststore based on the provided ID.

The system administrator can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/certificate/CertificateID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/certificate/1`

Response

```

{
  "errors": false,
  "messageList": [
  ],
  "result": {
    "id": "1",
    "lockVersion": 0,
    "name": "appd.test1",
    "description": "appd test1 host",
    "lastUpdated": 1379543429798,
    "lastUpdateUser": "admin",
    "created": 1379543429798,
    "createUser": "admin",
    "alias": "appd.test1",
    "type": "Certificate",

```

```

      "thumbprint": "AF:8B:67:62:A1:E5:28:22:81:61:A9:5D:5C:55:9E:E2:66:27:8F:75:D7:9E:
83:01:89:A5:03:50:6A:BD:6B:4C"
    }
  }
}

```

Import Certificate

Imports a certificate to the Application Services server trusted list.

The system administrator can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/certificate-importer`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/certificate-importer`

Request

Table 3-1. Description for Response Messages

Request Message	Description
alias	Represents the unique or domain name.
type	Represents the supported type. The supported type is Certificate.
sslTrusts	Represents the encoded certificate value .

```

{
  "alias": "test_env",
  "type": "Certificate",

  "ssltrust": "MIIDajCCA1KgAwIBAgIGATTE5hINMA0GCSqGSIb3DQEBBQUAMF1xIDAeBgNVBAMMF0FwcGxpY2F0aW9uIERpc
mVjdG9yIENBMR0wGwYDVQQQLDBBRBcHBsawNhdGlvbiBEaXJlY3RvcjEPMA0GA1UECgwGVk13YXJlMB4XDTEyMDUwMDEwMTUzOV
oXDTMyMDEwNDIzNTUzOVowVjEkMCIGA1UEAwwbQXBwbGljYXRpb24gRGlyZW50b3IuU2VudmVYMR0wGwYDVQQQLDBBRBcHBsawN
hdGlvbiBEaXJlY3RvcjEPMA0GA1UECgwGVk13YXJlMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAYwgAi4MptZRh
JSz1bCtSqJLzbxRr1ySPCF7TBM3kWdG4xyneIcl9oiq4zG2gdyMJkeDEzzCi4akC+Ix2AVimBPYg811fAY9KLQ
+NVuzUJzFT6nNonQ4WfoJ09joC1R2whKXSleylp5pRPaLhnuKKuYxLFUJfywD1Xcq3JB7BQie7gbTeyub1+9/mmBFBc3JBIcT
Kb/mDliZBBz/vXq27uLJ6neyX22vIfNX7DfLw8huTf7/Enl1bAXcsodUZwZkqGLYVmwMG/5s4X0y/m+ZS6mBrazUCGd
+nt3HvWovrntwpy1toDcylbMIktgimZcCJbQTwq38v/KMZMNz4zwIDAQAB0IwQDAdBgNVHQ4EFgQU7kDFZwP-iBLCMEcWCh
hyqWtJ9+XgwHwYDVR0jBBgwFoAUWHOnlItMd6lG6DB
+qDvK4drY4kEwDQYJKoZIhvcNAQEFBQADggEBACH2IzNAzmSbhdOCQ4p9/1ekDwaMf8/+gswd4TBhx5kCFtXgeYJd9aRyT4xw
TfZzBHYa/s0NoiPwJFPd2QmstkCAI4vDCynr28rIYz7LTwx2+OJ9uF7PNnk/P3j5Ex2z8QIEVgRsdnIx2R2IqD7QTfaxH8+fo
4C2QY2ivtUcGSHHeg7eKYI/SHTpf
+omQM79kwUX5LUtreM5+9T4mXjz2bsaupnrBwOPkyLnJYuURJlRn0yFhCR0gppHjHdSgOs9LGkGyust2kIoZymeufMAFVnXd4S
TcPKG06CnsReMjilHrvj7mxoCspP+5B0Vrj0Kz7Q9oJxDqBR6yVng5iLXobao="
}

```

Response

```
{
  "errors":false,
  "messageList":[
  ],
  "result":{
    "id":"29",
    "lockVersion":0,
    "name":"test-env",
    "description":"test-env",
    "lastUpdated":1379701731051,
    "lastUpdateUser":"admin",
    "created":1379701731051,
    "createUser":"admin",
    "alias":"test-env",
    "type":"Certificate",
    "thumbprint":"98:23:95:64:54:9C:94:58:6A:C5:68:11:9B:60:83:F9:4E:C1:A6:A1:DE:19:CB:DB:
34:79:B5:51:74:45:4E:1A"
  }
}
```

Delete Certificate Details

Removes the existing certificate from the truststore based on the provided ID.

The system administrator can access this API.

HTTP Method

DELETE

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/certificate/CertificateID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/certificate/1`

Response

```
{
  "errors":false,
  "messageList":[
    {
      "messageType":"INFO",
      "message":"Successfully deleted CertificateStoreEntry.",
      "messageKey":"delete.msg",
      "property":null
    }
  ]
}
```


REST APIs for Applications

You can view applications and associated application versions. The APIs are useful for retrieving all of the existing application and application versions in the business group of the logged in user. You can create an application in the Application Services user interface. You can also use the CLI to import applications from Application Services 5.0 and 5.2 versions to the Application Services 6.0 appliance or between different Application Services 6.0 appliances.

Get Applications

Retrieves a paginated list of applications and associated application versions in Application Services.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/application?page=Page&page-size=PageSize`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/application?page=0&page-size=1`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 4,
  "results": [
    {
      "id": "599",
      "lockVersion": 1,
      "name": "Clustered DotShoppingCart",
      "description": "An ASP.NET E-Commerce and CMS solution.",
      "lastUpdated": 1378763304778,
      "lastUpdateUser": "SYSTEM",
      "created": 1378763304778,
      "createUser": "SYSTEM",
```

```

    "applicationVersions": [
      {
        "id": "598",
        "lockVersion": 1,
        "name": "Clustered DotShoppingCart",
        "description": "Three-tier DotShoppingCart on Windows Server 2008 R2; Apache HTTP
Server for load balancer, Microsoft IIS for application server, and Microsoft SQL Server for
database server.",
        "lastUpdated": 1331830800000,
        "lastUpdateUser": "SYSTEM",
        "created": 1331830800000,
        "createUser": "SYSTEM",
        "version": {
          "major": "1",
          "minor": "0",
          "micro": "0",
          "qualifier": ""
        },
        "deploymentProfileListRef": {
          "uri": "/darwin/api/2.0/application-version/598/deployment-profile"
        },
        "blueprintRef": {
          "uri": "/darwin/api/2.0/blueprint/598",
          "id": "99",
          "name": "DotShoppingCart_Open_Source_Edition"
        },
        "groupMembership": {
          "id": "100599",
          "lockVersion": 1,
          "ownerGroupRef": {
            "uri": null,
            "id": "1",
            "name": "Default"
          }
        }
      }
    ],
    "groupMembership": {
      "id": "100599",
      "lockVersion": 1,
      "ownerGroupRef": {
        "uri": null,
        "id": "1",
        "name": "Default"
      }
    }
  }
]
}

```

Get Application Version

Retrieves an application version in Application Services based on the application version identification.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/application-version/ApplicationVersionID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

The *ApplicationVersionID* variable has the object-type-id format, which is used across several Application Services REST APIs. In this case, the object type is the application version and the id is the id element that was retrieved from the `get applications` call.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/application-version/598`

Response

```
{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "598",
    "lockVersion": 1,
    "name": "Clustered DotShoppingCart",
    "description": "Three-tier DotShoppingCart on Windows Server 2008 R2; Apache HTTP Server for
load balancer, Microsoft IIS for application server, and Microsoft SQL Server for database
server.",
    "lastUpdated": 1331830800000,
    "lastUpdateUser": "SYSTEM",
    "created": 1331830800000,
    "createUser": "SYSTEM",
    "version": {
      "major": "1",
      "minor": "0",
      "micro": "0",
      "qualifier": ""
    },
    "deploymentProfileListRef": {
      "uri": "/darwin/api/2.0/application-version/598/deployment-profile"
    },
    "blueprintRef": {
      "uri": "/darwin/api/2.0/blueprint/598",
      "id": "99",
      "name": "DotShoppingCart_Open_Source_Edition"
    },
    "groupMembership": {
      "id": "100599",
      "lockVersion": 1,
      "ownerGroupRef": {
        "uri": null,
        "id": "1",
        "name": "Default"
      }
    }
  }
}
```

```

    }
  }
}
}

```

Get Application by ID

Retrieves an application based on the provided identification and corresponding application versions in Application Services.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/application/ApplicationID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

The *ApplicationID* variable has the object-type-id format, which is used across several Application Services REST APIs. In this case, the object type is the application and the id is the id element that was retrieved from the `get applications` call. The *ApplicationID* variable is the id element created when you run the Get Applications REST API.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/application/599`

Response

```

{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "599",
    "lockVersion": 1,
    "name": "Clustered DotShoppingCart",
    "description": "An ASP.NET E-Commerce and CMS solution.",
    "lastUpdated": 1378763304778,
    "lastUpdateUser": "SYSTEM",
    "created": 1378763304778,
    "createUser": "SYSTEM",
    "applicationVersions": [
      {
        "id": "598",
        "lockVersion": 1,
        "name": "Clustered DotShoppingCart",
        "description": "Three-tier DotShoppingCart on Windows Server 2008 R2; Apache HTTP Server
for load balancer, Microsoft IIS for application server, and Microsoft SQL Server for database
server.",
        "lastUpdated": 1331830800000,
        "lastUpdateUser": "SYSTEM",
        "created": 1331830800000,
        "createUser": "SYSTEM",
        "version": {

```

```

    "major": "1",
    "minor": "0",
    "micro": "0",
    "qualifier": ""
  },
  "deploymentProfileListRef": {
    "uri": "/darwin/api/2.0/application-version/598/deployment-profile"
  },
  "blueprintRef": {
    "uri": "/darwin/api/2.0/blueprint/598",
    "id": "99",
    "name": "DotShoppingCart_Open_Source_Edition"
  },
  "groupMembership": {
    "id": "100599",
    "lockVersion": 1,
    "ownerGroupRef": {
      "uri": null,
      "id": "1",
      "name": "Default"
    }
  }
},
"groupMembership": {
  "id": "100599",
  "lockVersion": 1,
  "ownerGroupRef": {
    "uri": null,
    "id": "1",
    "name": "Default"
  }
}
}
}

```


REST APIs for Application Blueprints

You can view the application blueprint associated with an application version and the specific node component details of the application blueprint.

Get Application Blueprint

Retrieves the application blueprint for an application version.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/blueprint/ApplicationVersionID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/blueprint/598`

Response

```
{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "99",
    "lockVersion": 1,
    "nodes": [
      {
        "id": "98",
        "lockVersion": 1,
        "name": "AppServer",
        "description": "Application/web server tier node",
        "cluster": true,
        "clusterSize": 1,
        "memoryMb": 2048,
        "vcpuCount": 1,
        "hostname": ""
      }
    ]
  }
}
```

```

"logicalTemplateVersionRef": {
  "uri": "/darwin/api/2.0/logical-template-version/313",
  "id": "313",
  "name": "W2K8 R2 Enterprise SP1 v1.0.0"
},
"osVersionRef": {
  "uri": "/darwin/api/2.0/operating-system-version/111",
  "id": "111",
  "name": "WIN64 v6.1.7601"
},
"serviceNodeComponents": [
[...]
  {
    "id": "498",
    "lockVersion": 0,
    "name": "IIS_with_.NET_W2K8R2",
    "description": null,
    "nodeComponentDetailsRef": {
      "uri": "/darwin/api/2.0/node-component-details/498",
      "id": "498",
      "name": "IIS_with_.NET_W2K8R2"
    },
    "serviceRef": {
      "uri": "/darwin/api/2.0/service-version/297",
      "id": "297",
      "name": "Microsoft IIS with .Net Framework on W2K8R2 v1.0.0"
    },
    "preinstalled": false,
    "applicationNodeComponents": [
      {
        "id": "495",
        "lockVersion": 0,
        "name": "DotShoppingCart_App",
        "description": null,
        "nodeComponentDetailsRef": {
          "uri": "/darwin/api/2.0/node-component-details/495",
          "id": "495",
          "name": "DotShoppingCart_App"
        }
      }
    ]
  }
],
"applicationNodeComponents": [],
"disks": [
  {
    "description": "disk to store archive data",
    "id": "23",
    "lockVersion": 2,
    "name": "archives",
    "properties": [
      {
        "overrideable": true,
        "propertyDefinition": {
          "description": null,

```



```

        "id": "173683",
        "key": "ProvisionMode",
        "lockVersion": 0,
        "name": "ProvisionMode",
        "required": true,
        "secure": false,
        "type": "STRING"
    },
    "value": "THICK"
},
{
    "overrideable": true,
    "propertyDefinition": {
        "description": null,
        "id": "173684",
        "key": "DiskSize",
        "lockVersion": 0,
        "name": "DiskSize",
        "required": true,
        "secure": false,
        "type": "STRING"
    },
    "value": "100"
},
{
    "overrideable": true,
    "propertyDefinition": {
        "description": null,
        "id": "173685",
        "key": "FileSystem",
        "lockVersion": 0,
        "name": "FileSystem",
        "required": true,
        "secure": false,
        "type": "STRING"
    },
    "value": ""
},
{
    "overrideable": true,
    "propertyDefinition": {
        "description": null,
        "id": "173686",
        "key": "MountPoint",
        "lockVersion": 0,
        "name": "MountPoint",
        "required": true,
        "secure": false,
        "type": "STRING"
    },
    "value": "/database/archives"
}
],
"tags": [
    {

```

```

        "createUser": "SYSTEM",
        "created": 1385434700027,
        "description": "Disk to store archive files.",
        "id": "49",
        "lastUpdateUser": "SYSTEM",
        "lastUpdated": 1385434700027,
        "lockVersion": 1,
        "name": "Archive",
        "type": "Disk Type"
    }
  ],
  "nics": [
    {
      "id": "98",
      "lockVersion": 1,
      "name": "NIC0",
      "description": null,
      "networkName": "ServiceNetwork"
    }
  ],
  [...],
  "dependencies": [
    {
      "id": null,
      "lockVersion": 0,
      "fromComponentId": "496",
      "toComponentId": "497"
    },
    [...],
  ],
  "applicationVersionRef": {
    "uri": "/darwin/api/2.0/application-version/598",
    "id": "598",
    "name": "Clustered DotShoppingCart v1.0.0"
  }
}

```

Get Node Component Information

Retrieves the node component information such as property details, scripts, and overridable node component values.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

<https://ApplicationServicesServerIP:8443/darwin/api/2.0/node-component-details/NodeComponentID>

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/node-component-details/495`

Response

```
{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "495",
    "lockVersion": 0,
    "properties": [
      {
        "propertyDefinition": {
          "id": "782",
          "lockVersion": 0,
          "name": null,
          "description": null,
          "key": "NODE_INDEX",
          "type": "STRING",
          "secure": false,
          "required": true
        },
        "value": "${['self']['host']['node_array_index']}",
        "overrideable": false
      },
      [...]
    ],
    "scripts": [
      {
        "id": "140",
        "lockVersion": 1,
        "lifecycleStage": "INSTALL",
        "scriptType": "Windows Cmd Script",
        "script": "[...]\n",
        "rebootAfter": false
      },
      [...]
    ]
  }
}
```


Rest APIs for Application Search

You can search for applications and associated application versions. The APIs are useful for searching all of the existing applications and application versions. You can also import applications between different Application Services appliances.

Application Search

Searches for applications in Application Services using the **name** of the application.

All of the Application Services predefined user accounts and associated roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/application/search?name=appName`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://myhostname@mydomainname:8443/darwin/api/2.0/application/search?name=App`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {
      "id": "60003",
      "lockVersion": 0,
      "name": "App",
      "description": "",
      "lastUpdated": 1409707430340,
      "lastUpdateUser": "username",
      "created": 1409707430340,
      "createUser": "username",
      "applicationVersions": [
        {
```

```

    "id": "60005",
    "lockVersion": 5,
    "name": "App",
    "description": "",
    "lastUpdated": 1409708205947,
    "lastUpdateUser": "username",
    "created": 1409708085524,
    "createUser": "username",
    "version": {
      "major": "1",
      "minor": "0",
      "micro": "0",
      "qualifier": ""
    },
    "deploymentProfileListRef": {
      "uri": "/darwin/api/2.0/application-version/60005/deployment-profile"
    },
    "blueprintRef": {
      "uri": "/darwin/api/2.0/blueprint/60005",
      "id": "600012",
      "name": "App v1.0"
    },
    "groupMembership": {
      "id": "437005",
      "lockVersion": 0,
      "ownerGroupRef": {
        "uri": null,
        "id": "4",
        "name": "Development"
      },
      "global": true
    }
  ],
  "groupMembership": {
    "id": "437005",
    "lockVersion": 0,
    "ownerGroupRef": {
      "uri": null,
      "id": "4",
      "name": "Development"
    },
    "global": true
  }
}
]
}

```

Application Version Search

Searches for application versions in Application Services using the **name** and **version** of the application.

All of the Application Services predefined user accounts and associated roles can access this API.

HTTP Method

GET

URI Syntax

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/application-version/search?
name=appVersionName&major=majorNumber
&minor=minorNumber&micro=microNumber&qualifier=qualifier
```

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

```
https://myhostname@mydomainname:8443/darwin/api/2.0/application-version/search?name=App:
1.0.0&major=1&minor=2&micro=3&qualifier=beta
```

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {
      "id": "60005",
      "lockVersion": 5,
      "name": "App",
      "description": "",
      "lastUpdated": 1409708205947,
      "lastUpdateUser": "username",
      "created": 1409708085524,
      "createUser": "username",
      "version": {
        "major": "1",
        "minor": "0",
        "micro": "0",
        "qualifier": ""
      },
      "deploymentProfileListRef": {
        "uri": "/darwin/api/2.0/application-version/60005/deployment-profile"
      },
      "blueprintRef": {
        "uri": "/darwin/api/2.0/blueprint/60005",
        "id": "600012",
        "name": "App v1.0"
      },
      "groupMembership": {
        "id": "437005",
        "lockVersion": 0,
        "ownerGroupRef": {
          "uri": null,
          "id": "4",
          "name": "Development"
        }
      },
      "global": true
    }
  ]
}
```

```
    }  
  }  
]
```


REST APIs for Cloud Providers

You can view cloud provider and associated deployment environment information. You can also use the APIs to create and delete cloud providers.

Get Cloud Providers

Retrieves a paginated list of the cloud providers from the cloud environment.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider?page=Page&page-size=PageSize`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider?page=0&page-size=1`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {
      "id": "1",
      "lockVersion": 4,
      "name": "Cloud",
      "description": "",
      "lastUpdated": 1378765277631,
      "lastUpdateUser": "admin",
      "created": 1378764940480,
      "createUser": "admin",
      "cloudProviderTypeRef": {
        "uri": "/darwin/api/2.0/cloud-provider-type/1",
```

```

    "id": "1",
    "name": "vCloud 5.1.2"
  },
  "host": "vcloud.test.com",
  "proxyUrl": "",
  "credential": {
    "id": "2",
    "lockVersion": 2,
    "userName": "appserv-qe",
    "passKey": "19Q1BRwamVEmN0yLxN6AqUErxMDQtyqQTu0lGect42bqVZeqMcw5jW9Y707onwG/",
    "encrypted": true,
    "type": "PASSWORD"
  },
  "properties": [
    {
      "propertyDefinition": {
        "id": "1023",
        "lockVersion": 0,
        "name": "Organization",
        "description": "vCloud Organization",
        "key": "organization",
        "type": "STRING",
        "secure": false,
        "required": false
      },
      "value": "QE",
      "overrideable": false
    }
  ],
  "deploymentEnvironmentListRef": {
    "uri": "/darwin/api/2.0/cloud-provider/1/deployment-environment"
  }
}
]
}

```

Get Cloud Provider Types

Retrieves a list of the cloud provider type and associated deployment environment information from the cloud environment to create cloud providers.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider-type`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider-type`

Response

```

{
  "errors": false,
  "messageList": [],
  "count": 4,
  "results": [
  [...]
    {
      "id": "1",
      "lockVersion": 1,
      "name": "vCloud 5.1.2",
      "description": "vCloud cloud provider implementation used to provision VMs.",
      "nameMsgKey": null,
      "descriptionMsgKey": null,
      "cloudProviderPropertyDefs": [
        {
          "id": "1023",
          "lockVersion": 0,
          "name": "Organization",
          "description": "vCloud Organization",
          "key": "organization",
          "type": "STRING",
          "secure": false,
          "required": false
        }
      ],
      "deploymentEnvironmentPropertyDefs": [
        {
          "id": "1024",
          "lockVersion": 0,
          "name": "VDC URI",
          "description": "Virtual Data Center URI",
          "key": "vdc_uri",
          "type": "STRING",
          "secure": false,
          "required": false
        }
      ]
    }
  ]
}

```

Get Cloud Provider Type ID

Retrieves a cloud provider type and associated deployment environment information from the cloud environment to create cloud providers based on the provided ID.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider-type/CloudProviderID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider-type/1`

Response

```
{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "1",
    "lockVersion": 1,
    "name": "vCloud 5.1.2 - 5.5",
    "description": "VCloud cloud provider implementation used to provision VMs.",
    "nameMsgKey": null,
    "descriptionMsgKey": null,
    "cloudProviderPropertyDefs": [
      {
        "id": "1023",
        "lockVersion": 0,
        "name": "Organization",
        "description": "vCloud Organization",
        "key": "organization",
        "type": "STRING",
        "secure": false,
        "required": false
      }
    ],
    "deploymentEnvironmentPropertyDefs": [
      {
        "id": "1024",
        "lockVersion": 0,
        "name": "VDC URI",
        "description": "Virtual Data Center URI",
        "key": "vdc_uri",
        "type": "STRING",
        "secure": false,
        "required": false
      }
    ]
  }
}
```

Get Cloud Provider Details

Retrieves all of the cloud provider information from the cloud environment.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/CloudProviderID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/1`

Response

```
{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "1",
    "lockVersion": 1,
    "name": "vCloud 5.1.2",
    "description": "vCloud cloud provider implementation used to provision VMs.",
    "nameMsgKey": null,
    "descriptionMsgKey": null,
    "cloudProviderPropertyDefs": [
      {
        "id": "1023",
        "lockVersion": 0,
        "name": "Organization",
        "description": "vCloud Organization",
        "key": "organization",
        "type": "STRING",
        "secure": false,
        "required": false
      }
    ],
    "deploymentEnvironmentPropertyDefs": [
      {
        "id": "1024",
        "lockVersion": 0,
        "name": "VDC URI",
        "description": "Virtual Data Center URI",
        "key": "vdc_uri",
        "type": "STRING",
        "secure": false,
        "required": false
      }
    ]
  }
}
```

Create Cloud Provider

Creates a cloud provider in the cloud environment.

Include **Content-Type=application/json** in the header.

Log in to Application Services as an **application cloud administrator**.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider`

Request

```
{
  "id": "0",
  "lockVersion": 0,
  "name": "New Cloud",
  "description": "cloud provider description",
  "cloudProviderTypeRef": {
    "id": "1"
  },
  "host": "vcloud.test.com",
  "proxyUrl": "",
  "credential": {
    "userName": "appservices-qe",
    "passKey": "password",
    "encrypted": false,
    "type": "PASSWORD"
  },
  "properties": [
    {
      "propertyDefinition": {
        "id": "1023",
        "lockVersion": 0,
        "name": "Organization",
        "description": "vCloud Organization",
        "key": "organization",
        "type": "STRING",
        "secure": false,
        "required": false
      },
      "value": "QE",
      "overrideable": false
    }
  ],
  "groupMembership": {
    "id": "",
    "lockVersion": 0,
    "ownerGroupRef": {
      "uri": null,

```

```

        "id": "4",
        "name": "Development"
    },
    "global": false
}
}

```

Response

```

{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Cloud Provider saved successfully.",
      "messageKey": null,
      "property": null
    }
  ],
  "result": {
    "id": "5",
    "lockVersion": 1,
    "name": "New Cloud",
    "description": "cloud provider description",
    "lastUpdated": 1378924488110,
    "lastUpdateUser": "admin",
    "created": 1378924488110,
    "createUser": "admin",
    "cloudProviderTypeRef": {
      "uri": "/darwin/api/2.0/cloud-provider-type/1",
      "id": "1",
      "name": "vCloud 5.1.2"
    },
    "host": "vcloud.test.com",
    "proxyUrl": "",
    "credential": {
      "id": "6",
      "lockVersion": 0,
      "userName": "appdirector-qe",
      "passKey": "XLtppJs/YtTkJhHjuA47MOulHiz3WB0AsXBfVAH+VMukT8BLJwlb+RAKJo23uyhs",
      "encrypted": true,
      "type": "PASSWORD"
    },
    "properties": [
      {
        "propertyDefinition": {
          "id": "1023",
          "lockVersion": 0,
          "name": "Organization",
          "description": "vCloud Organization",
          "key": "organization",
          "type": "STRING",
          "secure": false,
          "required": false
        },

```

```

        "value": "QE",
        "overrideable": false
    }
],
"deploymentEnvironmentListRef": {
    "uri": "/darwin/api/2.0/cloud-provider/5/deployment-environment"
}
}
}

```

Test Cloud Provider Connection

Verifies that the cloud provider is connected to vCloud Automation Center Application Services.

Log in to Application Services as an **application cloud administrator**.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider-validator`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider-validator`

Request

```

{
  "cloudProviderTypeRef": {
    "id": "5"
  },
  "properties": [{ "propertyDefinition":
{"key": "provisioning_group_name", "id":"1", "type": "STRING"}
, "value": "default"}, {"propertyDefinition":
{"id":"2", "key": "provisioning_group_uri", "type": "STRING"}
, "value": "07e74e6a-4d05-43fe-b0ce-84048fdacd46"}], "host": "https://invalid.url","credential":
{ "userName":
"tony@coke.vmware.com", "passKey": "password", "encrypted": false, "type": "PASSWORD"}}' -u
admin:password -k
https://localhost:8443/darwin/api/2.0/cloud-provider-validator
}
}

```

Response

```

{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",

```



```

        "message": "Connection to the Cloud Provider at https://vcac-oci-061.test.com is
successful.",
        "messageKey": "cloudProvider.connection.success.msg",
        "property": null
    }
]
}

```

Delete Cloud Provider

Uses identification to delete the cloud provider from vCloud Automation Center Application Services.

Log in to Application Services as an **application cloud administrator**.

HTTP Method

DELETE

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/CloudProviderID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/5`

Response

```

{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Successfully deleted Cloud Provider.",
      "messageKey": "delete.msg",
      "property": null
    }
  ]
}

```

Get Associated Deployment Environment

Uses identification to retrieve the associated deployment environments of the cloud provider from the cloud environment.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/CloudProviderID/deployment-environment`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/1/deployment-environment`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 0,
  "results": [
    {
      "id": "1",
      "lockVersion": 4,
      "name": "DE",
      "description": "QA Deployment Environment",
      "lastUpdated": 1378765277632,
      "lastUpdateUser": "admin",
      "created": 1378765102894,
      "createUser": "admin",
      "cloudProviderRef": {
        "uri": "/darwin/api/2.0/cloud-provider/1",
        "id": "1",
        "name": "Cloud"
      },
    },
    "properties": [
      {
        "propertyDefinition": {
          "id": "1024",
          "lockVersion": 0,
          "name": "VDC URI",
          "description": "Virtual Data Center URI",
          "key": "vdc_uri",
          "type": "STRING",
          "secure": false,
          "required": false
        },
        "value": "https:// vcloud.test.com/api/vdc/a2079642-0bde-42e5-8646-7a333618355b",
        "overrideable": false
      }
    ]
  ]
}
```

REST APIs for Templates

You can view cloud template information from the cloud environment. Register multiple cloud templates to Application Services.

Get Template Category

Retrieves the cloud template category from the cloud environment.

Log in to Application Services as an **application cloud administrator**.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/CloudProviderID/physical-template-category`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/1/physical-template-category`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 22,
  "results": [
    {
      "id": "0",
      "lockVersion": 0,
      "name": "QE-catalog",
      "description": null,
      "cloudTemplateCategoryExtref": {
        "id": "https://192.0.2.255/api/catalog/967ab959-5fcb-4c7d-bb3e-3a476048ee59",
        "name": "QE-catalog"
      }
    }
  ]
}
```

```

    }
  }
]
}

```

Find Template Information

Searches for a specific cloud template in the cloud environment.

Log in to Application Services as an **application cloud administrator**.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/CloudProviderID/physical-template-finder`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/1/physical-template-finder`

Request

```

{
  "id": "https://192.0.2.255/api/catalog/967ab959-5fcb-4c7d-bb3e-3a476048ee59",
}

```

Response

```

{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {
      "id": "0",
      "lockVersion": 0,
      "name": "Centos58-32bit-base",
      "description": "",
      "lastUpdated": null,
      "lastUpdateUser": null,
      "created": null,
      "createUser": null,
      "cloudTemplateExtref": {
        "id": "https://192.0.2.255/api/vAppTemplate/vappTemplate-
df51ec56-3b3c-4f5d-8482-90fe212bffff",
        "name": "Centos58-32bit-base"
      },
      "cloudProviderRef": {
        "uri": "/darwin/api/2.0/cloud-provider/1",
        "id": "1",
        "name": "Cloud"
      }
    }
  ]
}

```

```

    },
    "osName": "centosGuest",
    "properties": [
      {
        "propertyDefinition": {
          "id": null,
          "lockVersion": 0,
          "name": null,
          "description": null,
          "key": "disksize",
          "type": null,
          "secure": false,
          "required": false
        },
        "value": "66560",
        "overrideable": false
      },
      {
        "propertyDefinition": {
          "id": null,
          "lockVersion": 0,
          "name": null,
          "description": null,
          "key": "goldMaster",
          "type": null,
          "secure": false,
          "required": false
        },
        "value": "false",
        "overrideable": false
      }
    ]
  }
]
}

```

Register a Template

Registers multiple cloud templates to Application Services. Provides a paginated list of all the registered templates.

Log in to Application Services as an **application cloud administrator**.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/CloudProviderID/registered-physical-template`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/3/registered-physical-template
```

Request

```
{
  "list": [
    {
      "cloudTemplateExtref": {
        "id": "https://192.0.2.255/api/vAppTemplate/vappTemplate-
df51ec56-3b3c-4f5d-8482-90fe212bffff",
        "name": "Centos58-32bit-base"
      }
    }
  ]
}
```

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {
      "id": "4",
      "lockVersion": 2,
      "name": "Centos58-32bit-base",
      "description": "",
      "lastUpdated": 1378946109490,
      "lastUpdateUser": "admin",
      "created": 1378946096470,
      "createUser": "admin",
      "cloudTemplateExtref": {
        "id": "https://192.0.2.255/api/vAppTemplate/vappTemplate-
df51ec56-3b3c-4f5d-8482-90fe212bffff",
        "name": "Centos58-32bit-base"
      },
      "cloudProviderRef": {
        "uri": "/darwin/api/2.0/cloud-provider/3",
        "id": "3",
        "name": "New Cloud"
      },
      "osName": "centosGuest",
      "properties": []
    }
  ]
}
```

Get Registered Templates

Retrieves registered cloud templates in Application Services from the cloud environment based on the cloud provider ID.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/CloudProviderID/registered-physical-template`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/1/registered-physical-template`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 2,
  "results": [
    {
      "id": "1",
      "lockVersion": 2,
      "name": "C56x32_v9",
      "description": "",
      "lastUpdated": 1378765277631,
      "lastUpdateUser": "admin",
      "created": 1378765191716,
      "createUser": "admin",
      "cloudTemplateExtref": {
        "id": "https://192.0.2.255/api/vAppTemplate/vappTemplate-61ba1dd9-8759-48a5-bf6f-0e858bfc3744",
        "name": "C56x32_v9"
      },
      "cloudProviderRef": {
        "uri": "/darwin/api/2.0/cloud-provider/1",
        "id": "1",
        "name": "Cloud"
      },
      "osName": "centosGuest",
      "properties": []
    },
    {
      "id": "2",
      "lockVersion": 1,
      "name": "w2k8r2sp1_changesid_v5",
```

```

      "description": "Windows 2008 R2 Enterprise SP1 with ChangeSID enabled, bootstrap 5.0 and
JRE 1.6.0_31.",
      "lastUpdated": 1378765277632,
      "lastUpdateUser": "admin",
      "created": 1378765277630,
      "createUser": "admin",
      "cloudTemplateExtref": {
        "id": "https://192.0.2.255/api/vAppTemplate/vappTemplate-
f57b63cd-20c0-4158-836f-13f7d9c39206",
        "name": "w2k8r2sp1_changesid_v5"
      },
      "cloudProviderRef": {
        "uri": "/darwin/api/2.0/cloud-provider/1",
        "id": "1",
        "name": "Cloud"
      },
      "osName": "windows7Server64Guest",
      "properties": []
    }
  ]
}

```

Get Registered Template Using ID

Retrieves the registered cloud template in Application Services from the cloud environment based on the provided ID.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/registered-physical-template/RegisteredPhysicalTemplateID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/registered-physical-template/2`

Response

```

{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "2",
    "lockVersion": 1,
    "name": "w2k8r2sp1_changesid_v5",
    "description": "Windows 2008 R2 Enterprise SP1 with ChangeSID enabled, bootstrap 5.0 and JRE
1.6.0_31.",
    "lastUpdated": 1378765277632,
    "lastUpdateUser": "admin",

```



```

    "created": 1378765277630,
    "createUser": "admin",
    "cloudTemplateExtref": {
      "id": "https://192.0.2.255/api/vAppTemplate/vappTemplate-
f57b63cd-20c0-4158-836f-13f7d9c39206",
      "name": "w2k8r2sp1_changesid_v5"
    },
    "cloudProviderRef": {
      "uri": "/darwin/api/2.0/cloud-provider/1",
      "id": "1",
      "name": "Cloud"
    },
    "osName": "windows7Server64Guest",
    "properties": []
  }
}

```

Replace a Template

Replaces multiple cloud templates in the cloud environment.

Log in to Application Services as an **application cloud administrator**.

HTTP Method

PUT

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/CloudProviderID/registered-physical-template`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/3/registered-physical-template`

Request

```

{
  "list": [
    {
      "cloudTemplateExtref": {
        "id": "https://192.0.2.255/api/vAppTemplate/vappTemplate-
df51ec56-3b3c-4f5d-8482-90fe212bffff",
        "name": "Centos58-32bit-base"
      }
    }
  ]
}

```

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {
      "id": "4",
      "lockVersion": 2,
      "name": "Centos58-32bit-base",
      "description": "",
      "lastUpdated": 1378946109490,
      "lastUpdateUser": "admin",
      "created": 1378946096470,
      "createUser": "admin",
      "cloudTemplateExtref": {
        "id": "https://192.0.2.255/api/vAppTemplate/vappTemplate-
df51ec56-3b3c-4f5d-8482-90fe212bffff",
        "name": "Centos58-32bit-base"
      },
      "cloudProviderRef": {
        "uri": "/darwin/api/2.0/cloud-provider/3",
        "id": "3",
        "name": "New Cloud"
      },
      "osName": "centosGuest",
      "properties": []
    }
  ]
}
```

REST APIs for Logical Templates

You can view logical templates mapped to a cloud template. You can also use the APIs to manage these logical templates in the existing logical template list.

Get Logical Templates

Retrieves a paginated list of logical template versions from Application Services.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version?page=Page&page-size=PageSize`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version?page=0&page-size=1`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 16,
  "results": [
    {
      "id": "306",
      "lockVersion": 1,
      "name": "CentOS 32bit with MySQL",
      "description": "CentOS 6.3 32bit with MySQL Server 5.0",
      "lastUpdated": 1322020758327,
      "lastUpdateUser": "SYSTEM",
      "created": 1322020758327,
      "createUser": "SYSTEM",
      "version": {
```

```

    "major": "1",
    "minor": "0",
    "micro": "0",
    "qualifier": ""
  },
  "osVersionRef": {
    "uri": "/darwin/api/2.0/operating-system-version/115",
    "id": "115",
    "name": "CentOS32 v6.3.0"
  },
  "tags": [
    {
      "id": "9",
      "lockVersion": 1,
      "name": "Database Servers",
      "description": "Database servers",
      "lastUpdated": 1378763302507,
      "lastUpdateUser": "SYSTEM",
      "created": 1378763302507,
      "createUser": "SYSTEM",
      "type": "Server Type"
    },
    {
      "id": "20",
      "lockVersion": 1,
      "name": "OS Templates",
      "description": "OS Templates",
      "lastUpdated": 1378763302509,
      "lastUpdateUser": "SYSTEM",
      "created": 1378763302509,
      "createUser": "SYSTEM",
      "type": "Server Type"
    }
  ],
  "serviceVersions": [
    {
      "id": "215",
      "lockVersion": 1,
      "name": "Preinstalled MySQL Server for CentOS",
      "description": "MySQL Server 5.0 preinstalled in CentOS 6.3 32bit",
      "version": {
        "major": "5",
        "minor": "0",
        "micro": "0",
        "qualifier": ""
      },
      "properties": [],
      "scripts": [
        {
          "id": "50",
          "lockVersion": 1,
          "lifecycleStage": "CONFIGURE",
          "scriptType": "Bash Script",
          "script": "#!/bin/bash\n [...] ",
          "rebootAfter": false
        }
      ]
    }
  ]

```

```

    }
  ],
  "groupMembership": {
    "id": "413",
    "lockVersion": 1,
    "ownerGroupRef": {
      "uri": null,
      "id": "1",
      "name": "Default"
    }
  }
}
],
"groupMembership": {
  "id": "306",
  "lockVersion": 1,
  "ownerGroupRef": {
    "uri": null,
    "id": "1",
    "name": "Default"
  }
}
}
]
}

```

Get Logical Template Version Mapping

Retrieves a list of cloud templates mapped to a logical template in Application Services when you specify the cloud provider identification.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version/LogicalTemplateVersionID/mapped-physical-template/cloud-provider/CloudProviderID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version/313/mapped-physical-template/cloud-provider/1`

Response

```

{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {

```

```

    "id": "2",
    "lockVersion": 1,
    "name": "w2k8r2sp1_changesid_v5",
    "description": "Windows 2008 R2 Enterprise SP1 with ChangeSID enabled, bootstrap 5.0 and
JRE 1.6.0_31.",
    "lastUpdated": 1378765277632,
    "lastUpdateUser": "admin",
    "created": 1378765277630,
    "createUser": "admin",
    "cloudTemplateExtref": {
      "id": "https://192.0.2.255/api/vAppTemplate/vappTemplate-
f57b63cd-20c0-4158-836f-13f7d9c39206",
      "name": "w2k8r2sp1_changesid_v5"
    },
    "cloudProviderRef": {
      "uri": "/darwin/api/2.0/cloud-provider/1",
      "id": "1",
      "name": "Cloud"
    },
    "osName": "windows7Server64Guest",
    "properties": []
  }
]
}

```

Get Logical Template Version Details

Retrieves the specific logical template version based on the logical template version identification.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version/LogicalTemplateVersionID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version/313`

Response

```

{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "313",
    "lockVersion": 2,
    "name": "W2K8 R2 Enterprise SP1",
    "description": "Windows Server 2008 R2 Enterprise SP1 VM",
    "lastUpdated": 1378765310743,

```

```

"lastUpdateUser": "admin",
"created": 1331830800000,
"createUser": "SYSTEM",
"version": {
  "major": "1",
  "minor": "0",
  "micro": "0",
  "qualifier": ""
},
"osVersionRef": {
  "uri": "/darwin/api/2.0/operating-system-version/111",
  "id": "111",
  "name": "WIN64 v6.1.7601"
},
"tags": [
  {
    "id": "20",
    "lockVersion": 1,
    "name": "OS Templates",
    "description": "OS Templates",
    "lastUpdated": 1378763302509,
    "lastUpdateUser": "SYSTEM",
    "created": 1378763302509,
    "createUser": "SYSTEM",
    "type": "Server Type"
  }
],
"serviceVersions": [],
"groupMembership": {
  "id": "313",
  "lockVersion": 1,
  "ownerGroupRef": {
    "uri": null,
    "id": "1",
    "name": "Default"
  }
}
}
}

```

Create Logical Template Version

Creates a logical template version.

The application catalog administrator can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version`

Request

```
{
  "id": "0",
  "lockVersion": 0,
  "name": "CentOS 32bit with MySQL 2",
  "description": "CentOS 6.3 32bit with MySQL Server 5.0",
  "version": {
    "major": "1",
    "minor": "0",
    "micro": "0",
    "qualifier": ""
  },
  "osVersionRef": {
    "id": "115",
    "name": "CentOS32 v6.3.0"
  },
  "tags": [
    {
      "id": "9",
      "name": "Database Servers",
      "description": "Database servers",
      "type": "Server Type"
    },
    {
      "id": "20",
      "name": "OS Templates",
      "description": "OS Templates",
      "type": "Server Type"
    }
  ],
  "serviceVersions": [],
  "groupMembership": {
    "id": "",
    "lockVersion": 0,
    "ownerGroupRef": {
      "uri": null,
      "id": "4",
      "name": "Development"
    },
    "global": false
  }
}
```

Response

```
{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Logical VM template version saved successfully."
    }
  ]
}
```



```

    "messageKey": "vmTemplateVersion.save.msg",
    "property": null
  }
],
"result": {
  "id": "60088",
  "lockVersion": 1,
  "name": "CentOS 32bit with MySQL 2",
  "description": "CentOS 6.3 32bit with MySQL Server 5.0",
  "lastUpdated": 1378949002080,
  "lastUpdateUser": "admin",
  "created": 1378949002080,
  "createUser": "admin",
  "version": {
    "major": "1",
    "minor": "0",
    "micro": "0",
    "qualifier": ""
  },
  "osVersionRef": {
    "uri": "/darwin/api/2.0/operating-system-version/115",
    "id": "115",
    "name": "CentOS32 v6.3.0"
  },
  "tags": [
    {
      "id": "9",
      "lockVersion": 1,
      "name": "Database Servers",
      "description": "Database servers",
      "lastUpdated": 1378763302507,
      "lastUpdateUser": "SYSTEM",
      "created": 1378763302507,
      "createUser": "SYSTEM",
      "type": "Server Type"
    },
    {
      "id": "20",
      "lockVersion": 1,
      "name": "OS Templates",
      "description": "OS Templates",
      "lastUpdated": 1378763302509,
      "lastUpdateUser": "SYSTEM",
      "created": 1378763302509,
      "createUser": "SYSTEM",
      "type": "Server Type"
    }
  ],
  "serviceVersions": [],
  "groupMembership": {
    "id": "437091",
    "lockVersion": 0,
    "ownerGroupRef": {
      "uri": null,
      "id": "1",

```

```

        "name": "Default"
    }
}
}
}

```

Get Mapped Cloud Templates to a Logical Template

Retrieves the mapped cloud templates to a Application Services logical template.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version/LogicalTemplateVersionID/mapped-physical-template`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version/60597/mapped-physical-template`

Response

```

{
  "errors": false,
  "messageList": [],
  "count": 2,
  "results": [
    {
      "id": "1",
      "lockVersion": 1,
      "name": "centos63x32",
      "description": "",
      "lastUpdated": 1383952048669,
      "lastUpdateUser": "admin",
      "created": 1383952048664,
      "createUser": "admin",
      "cloudTemplateExtref": {
        "id": "vcac://pg/ab9d048f-0ba7-414c-9676-c2ea0646823b/bp/4b125c3c-f6a3-4d19-93f9-3b99cd74d567",
        "name": "centos63x32"
      },
      "cloudProviderRef": {
        "uri": "/darwin/api/2.0/cloud-provider/1",
        "id": "1",
        "name": "vCAC-6.0-CP"
      },
      "osName": "",
      "properties": [
        {

```

```

        "propertyDefinition": {
            "id": "2004",
            "lockVersion": 0,
            "name": "reservation_policy_id",
            "description": null,
            "key": "reservation_policy_id",
            "type": "STRING",
            "secure": false,
            "required": true
        },
        "value": "",
        "overrideable": true
    },
    {
        "propertyDefinition": {
            "id": "2005",
            "lockVersion": 0,
            "name": "provisioning_group_id",
            "description": null,
            "key": "provisioning_group_id",
            "type": "STRING",
            "secure": false,
            "required": true
        },
        "value": "ab9d048f-0ba7-414c-9676-c2ea0646823b",
        "overrideable": false
    }
]
},
{
    "id": "11",
    "lockVersion": 1,
    "name": "RHEL61x64",
    "description": "",
    "lastUpdated": 1383956550555,
    "lastUpdateUser": "admin",
    "created": 1383956550542,
    "createUser": "admin",
    "cloudTemplateExtref": {
        "id": "vcac://pg/56283f48-764a-43c3-bcf8-8905ca5b7e07/bp/2a6f4868-0dd8-430b-
bceb-2b8a72690998",
        "name": "RHEL61x64"
    },
    "cloudProviderRef": {
        "uri": "/darwin/api/2.0/cloud-provider/3",
        "id": "3",
        "name": "ADAutomationCP-vcac-prme"
    },
    "osName": null,
    "properties": [
        {
            "propertyDefinition": {
                "id": "2004",
                "lockVersion": 0,
                "name": "reservation_policy_id",

```

```

        "description": null,
        "key": "reservation_policy_id",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "3f98e478-f941-4aeb-ae4a-3cc77df908d3",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "2005",
        "lockVersion": 0,
        "name": "provisioning_group_id",
        "description": null,
        "key": "provisioning_group_id",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "56283f48-764a-43c3-bcf8-8905ca5b7e07",
    "overrideable": false
}
]
}
]
}

```

Add Logical Template Mapping

Adds the mapped logical template to the existing logical template list.

The application catalog administrator can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version/LogicalTemplateVersionID/mapped-physical-template`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version/3/mapped-physical-template`

Request

```
{
  "list": [
    {
      "id": "3"
    }
  ]
}
```

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {
      "id": "3",
      "lockVersion": 4,
      "name": "C63x32_v9",
      "description": "",
      "lastUpdated": 1378945924330,
      "lastUpdateUser": "admin",
      "created": 1378849355048,
      "createUser": "admin",
      "cloudTemplateExtref": {
        "id": "https://192.0.2.255/api/vAppTemplate/vappTemplate-893d12f0-2c46-4ea9-a88b-
d8269f605643",
        "name": "C63x32_v9"
      },
      "cloudProviderRef": {
        "uri": "/darwin/api/2.0/cloud-provider/1",
        "id": "1",
        "name": "Cloud"
      },
      "osName": "centosGuest",
      "properties": []
    }
  ]
}
```

Replace Logical Template Mapping

Replaces all of the mapped logical templates from the existing logical template list.

The application catalog administrator can access this API.

HTTP Method

PUT

URI Syntax

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-
version/LogicalTemplateVersionID/mapped-physical-template
```

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version/3/mapped-
physical-template
```

Request

```
{
  "list": [
    {
      "id": "3"
    }
  ]
}
```

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {
      "id": "3",
      "lockVersion": 4,
      "name": "C63x32_v9",
      "description": "",
      "lastUpdated": 1378945924330,
      "lastUpdateUser": "admin",
      "created": 1378849355048,
      "createUser": "admin",
      "cloudTemplateExtref": {
        "id": "https://192.0.2.255/api/vAppTemplate/vappTemplate-893d12f0-2c46-4ea9-a88b-
d8269f605643",
        "name": "C63x32_v9"
      },
      "cloudProviderRef": {
        "uri": "/darwin/api/2.0/cloud-provider/1",
        "id": "1",
        "name": "Cloud"
      },
      "osName": "centosGuest",
      "properties": []
    }
  ]
}
```

Update the Preinstalled Services

Updates the available preinstalled services when you specify the logical template version identification.

The application catalog administrator can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version/LogicalTemplateVersionID/preinstalled-services`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version/215/preinstalled-services`

Request

```
{
  "list": [
    {
      "id": "215"
    }
  ]
}
```

Response

```
{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Logical VM template version saved successfully.",
      "messageKey": "vmTemplateVersion.save.msg",
      "property": null
    }
  ],
  "result": null
}
```

Delete the Logical Template Version

Deletes a logical template version from the existing logical template list.

The application catalog administrator can access this API.

HTTP Method

DELETE

URI Syntax

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-  
version/LogicalTemplateVersionID
```

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/logical-template-version/320
```

Response

```
{  
  "errors": false,  
  "messageList": [  
    {  
      "messageType": "INFO",  
      "message": "Successfully deleted Logical template version.",  
      "messageKey": "delete.msg",  
      "property": null  
    }  
  ]  
}
```


REST APIs for Services

You can view the service versions and service version details. You can also use the CLI command to import services from vFabric Application Director 5.0 and 5.2 versions to the Application Services 6.1 appliance or between different Application Services 6.0 appliances.

Service Version

Retrieves a paginated list of service versions.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/service-version?page=Page&page-size=PageSize`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/service-version?page=0&page-size=1`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 22,
  "results": [
    {
      "id": "202",
      "lockVersion": 1,
      "name": "MySQL",
      "description": "MySQL 5.0\MySQL is the most popular open-source database system.",
      "version": {
        "major": "5",
        "minor": "0",
        "micro": "0",
        "qualifier": ""
      }
    }
  ]
}
```

```

    },
    "properties": [
      {
        "propertyDefinition": {
          "id": "900",
          "lockVersion": 0,
          "name": null,
          "description": null,
          "key": "global_conf",
          "type": "CONTENT",
          "secure": false,
          "required": true
        },
        "value": "https://192.0.2.255:8443/darwin/conf/darwin_global.conf",
        "overrideable": false
      },
      [...]
    ],
    "scripts": [
      {
        "id": "2",
        "lockVersion": 1,
        "lifecycleStage": "INSTALL",
        "scriptType": "Bash Script",
        "script": "#!/bin/bash\n# I[...] cut script ...]\n",
        "rebootAfter": false
      },
      [...]
    ],
    "groupMembership": {
      "id": "402",
      "lockVersion": 1,
      "ownerGroupRef": {
        "uri": null,
        "id": "1",
        "name": "Default"
      }
    }
  }
]
}

```

Service Version Details

Retrieves the service version details based on the provided identification.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/service-version/ServiceVersionID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/service-version/297`

Response

```
{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "297",
    "lockVersion": 1,
    "name": "Microsoft IIS with .Net Framework on W2K8R2",
    "description": "Install and enable IIS Server 7 and .Net Framework 3.5 on Windows Server
2008 R2.",
    "version": {
      "major": "1",
      "minor": "0",
      "micro": "0",
      "qualifier": ""
    },
    "properties": [
      {
        "propertyDefinition": {
          "id": "806",
          "lockVersion": 0,
          "name": null,
          "description": null,
          "key": "Install_Path",
          "type": "COMPUTED",
          "secure": false,
          "required": false
        },
        "value": "",
        "overrideable": false
      }
    ],
    "scripts": [
      {
        "id": "109",
        "lockVersion": 1,
        "lifecycleStage": "INSTALL",
        "scriptType": "Windows Powershell Script",
        "script": "import-module Servermanager\nAdd-WindowsFeature Net-Framework\nAdd-
WindowsFeature web-asp-net\nAdd-WindowsFeature Web-Static-Content\nAdd-WindowsFeature as-http-
activation\nAdd-WindowsFeature web-mgmt-tools\n#Set Install Path to the default install path
(for monitoring)\n$Install_Path=\"${env:SYSTEMROOT}\\System32\\necho \""Install_Path is set to
$Install_Path, please modify this script if the install path is not correct.\""\"n",
        "rebootAfter": false
      }
    ],
    "groupMembership": {
      "id": "433",
      "lockVersion": 1,

```

```

    "ownerGroupRef": {
      "uri": null,
      "id": "1",
      "name": "Default"
    }
  }
}
}

```

Create Service Version

Creates the service version.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/service-version`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/service-version`

Request

```

{
  "id": "",
  "lockVersion": 0,
  "name": "test service",
  "description": "",
  "version": {
    "major": "1",
    "minor": "0",
    "micro": "0",
    "qualifier": ""
  },
  "tags": [
    {
      "id": "12",
      "lockVersion": 1,
      "name": "Other",
      "description": "Miscellaneous",
      "type": "Server Type"
    }
  ],
  "properties": [],
  "scripts": [
    {
      "id": "",
      "lockVersion": 0,
      "lifecycleStage": "INSTALL",
      "scriptType": "Bash Script",
      "script": "echo",
    }
  ]
}

```

```

        "rebootAfter": false
    }
],
"groupMembership": {
    "id": "",
    "lockVersion": 0,
    "ownerGroupRef": {
        "uri": null,
        "id": "4",
        "name": "Development"
    },
    "global": false
},
"contentType": null
}

```

Response

```

{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Service version saved successfully.",
      "messageKey": "service.version.save.msg",
      "property": null
    }
  ],
  "result": {
    "id": "60009",
    "lockVersion": 1,
    "name": "test service",
    "description": "",
    "version": {
      "major": "1",
      "minor": "0",
      "micro": "0",
      "qualifier": ""
    },
    "tags": [
      {
        "id": "12",
        "lockVersion": 1,
        "name": "Other",
        "description": "Miscellaneous",
        "lastUpdated": 1409163052291,
        "lastUpdateUser": "SYSTEM",
        "created": 1409163052291,
        "createUser": "SYSTEM",
        "type": "Server Type"
      }
    ],
    "properties": [],
    "scripts": [
      {

```

```

        "id": "1012018",
        "lockVersion": 0,
        "lifecycleStage": "INSTALL",
        "scriptType": "Bash Script",
        "script": "echo",
        "rebootAfter": false
    }
],
"groupMembership": {
    "id": "437012",
    "lockVersion": 0,
    "ownerGroupRef": {
        "uri": null,
        "id": "4",
        "name": "Development"
    },
    "global": false
},
"contentType": null
}
}

```

Update Service Version

Updates the existing service version with the new version.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/service-version`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/service-version`

Request

```

{
    "id": "60009",
    "lockVersion": 2,
    "name": "test service",
    "description": "",
    "version": {
        "major": "1",
        "minor": "0",
        "micro": "0",
        "qualifier": ""
    },
    "tags": [
        {
            "id": "12",
            "lockVersion": 1,

```

```

        "name": "Other",
        "description": "Miscellaneous",
        "lastUpdated": 1409163052291,
        "lastUpdateUser": "SYSTEM",
        "created": 1409163052291,
        "createUser": "SYSTEM",
        "type": "Server Type"
    }
],
"properties": [
    {
        "propertyDefinition": {
            "id": "",
            "lockVersion": 0,
            "name": "",
            "description": null,
            "key": "property",
            "type": "STRING",
            "secure": false,
            "required": false
        },
        "value": "abc",
        "overrideable": false,
        "listValues": ""
    }
],
"scripts": [
    {
        "id": "1012018",
        "lockVersion": 0,
        "lifecycleStage": "INSTALL",
        "scriptType": "Bash Script",
        "script": "echo",
        "rebootAfter": false
    }
],
"groupMembership": {
    "id": "437012",
    "lockVersion": 0,
    "ownerGroupRef": {
        "uri": null,
        "id": "4",
        "name": "Development"
    },
    "global": false
},
"contentType": null
}

```

Response

```

{
  "errors": false,
  "messageList": [
    {

```

```

        "messageType": "INFO",
        "message": "Service version saved successfully.",
        "messageKey": "service.version.save.msg",
        "property": null
    }
],
"result": {
    "id": "60009",
    "lockVersion": 3,
    "name": "test service",
    "description": "",
    "version": {
        "major": "1",
        "minor": "0",
        "micro": "0",
        "qualifier": ""
    },
},
"tags": [
    {
        "id": "12",
        "lockVersion": 1,
        "name": "Other",
        "description": "Miscellaneous",
        "lastUpdated": 1409163052291,
        "lastUpdateUser": "SYSTEM",
        "created": 1409163052291,
        "createUser": "SYSTEM",
        "type": "Server Type"
    }
],
"properties": [
    {
        "propertyDefinition": {
            "id": "170196",
            "lockVersion": 2,
            "name": "",
            "description": null,
            "key": "property",
            "type": "STRING",
            "secure": false,
            "required": false
        },
        "value": "abc",
        "overrideable": false,
        "listValues": ""
    }
],
"scripts": [
    {
        "id": "1012018",
        "lockVersion": 2,
        "lifecycleStage": "INSTALL",
        "scriptType": "Bash Script",
        "script": "echo",
        "rebootAfter": false
    }
]

```



```

    }
  ],
  "groupMembership": {
    "id": "437012",
    "lockVersion": 0,
    "ownerGroupRef": {
      "uri": null,
      "id": "4",
      "name": "Development"
    },
    "global": false
  },
  "contentType": null
}
}

```

Delete Service Version

Removes the existing service version.

HTTP Method

DELETE

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/service-version/ServiceVersionID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/service-version/60009`

Response

```

{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Successfully deleted Service version.",
      "messageKey": "delete.msg",
      "property": null
    }
  ]
}

```


REST APIs for Operating Systems

You can view the preinstalled operating system details included in Application Services.

Get Operating Systems

Retrieves the operating system details based on the provided ID.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/operating-system-version/OperatingSystemVersionID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/operating-system-version/111`

Response

```
{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "111",
    "lockVersion": 1,
    "name": "WIN64",
    "description": "Windows Server 2008 R2 Enterprise SP1",
    "lastUpdated": 1331830800000,
    "lastUpdateUser": "SYSTEM",
    "created": 1331830800000,
    "createUser": "SYSTEM",
    "version": {
      "major": "6",
      "minor": "1",
      "micro": "7601",
      "qualifier": ""
    }
  }
}
```

```
    },  
    "architecture": "x86_64",  
    "osFamily": "Windows"  
  }  
}
```

REST APIs for Tags

You can view the tag associated with logical templates and services.

Get Tag

Retrieves a tag associated with a logical template or a service based on the provided ID.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/tag/TagID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/tag/20`

Response

```
{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "20",
    "lockVersion": 1,
    "name": "OS Templates",
    "description": "OS Templates",
    "lastUpdated": 1378763302509,
    "lastUpdateUser": "SYSTEM",
    "created": 1378763302509,
    "createUser": "SYSTEM",
    "type": "Server Type"
  }
}
```


REST APIs for Tasks

You can retrieve several task versions and the associated task version details. The APIs are useful for retrieving all of the existing task versions.

Task Versions

Retrieves a paginated list of task versions.

HTTP Method

GET

URI Syntax

<https://ApplicationServicesServerIP:8443/darwin/api/2.0/task-version?page=Page&page-size=PageSize>

Request Empty

Empty

Response

```
{
  "errors":false,
  "messageList":[],
  "count":9,
  "results":[
    {
      "id":"17249",
      "lockVersion":1,
      "name":"Run SQL Script for SQL Server",
      "description":"A script to run SQL Script on SQL Server.",
      "groupMembership":{
        "id":"48",
        "lockVersion":0,
        "ownerGroupRef":{
          "uri":null,
          "id":"1",
          "name":"Default"
        }
      },
      "global":true
    }
  ]
}
```

```

    },
    "version":{
      "major":"1",
      "minor":"0",
      "micro":"0",
      "qualifier":""
    },
    "autoBindProperties":false,
    "properties":[
      {
        "propertyDefinition":{
          "id":"170624",
          "lockVersion":1,
          "name":null,
          "description":null,
          "key":"INSTANCE_NAME",
          "type":"STRING",
          "secure":false,
          "required":true
        },
        "value":"MSSQLDB",
        "overrideable":true,
        "listValues":null
      },
      [...]
    ],
    "tags":[],
    "scripts":[
      {
        "id":"1012123",
        "lockVersion":0,
        "lifecycleStage":"INSTALL",
        "scriptType":"Windows Powershell Script",
        "script":"...",
        "rebootAfter":false
      },
      [...]
    ]
  }
}

```

Task Version Details

Retrieves the task version details based on the provided identification.

HTTP Method

GET

URI Syntax

<https://ApplicationServicesServerIP:8443/darwin/api/2.0/task-version/TaskVersionID>

Request

Empty

Response

```
{
  "errors":false,
  "messageList":[],
  "result":{
    "id":"17249",
    "lockVersion":1,
    "name":"Run SQL Script for SQL Server",
    "description":"A script to run SQL Script on SQL Server.",
    "groupMembership":{
      "id":"48",
      "lockVersion":0,
      "ownerGroupRef":{
        "uri":null,
        "id":"1",
        "name":"Default"
      },
      "global":true
    },
    "version":{
      "major":"1",
      "minor":"0",
      "micro":"0",
      "qualifier":""
    },
    "autoBindProperties":false,
    "properties":[
      {
        "propertyDefinition":{
          "id":"170624",
          "lockVersion":1,
          "name":null,
          "description":null,
          "key":"INSTANCE_NAME",
          "type":"STRING",
          "secure":false,
          "required":true
        },
        "value":"MSSQLDB",
        "overrideable":true,
        "listValues":null
      },
      [...]
    ],
    "tags":[],
    "scripts":[
      {
        "id":"1012123",
        "lockVersion":0,

```

```
        "lifecycleStage": "INSTALL",  
        "scriptType": "Windows Powershell Script",  
        "script": "...",  
        "rebootAfter": false  
    },  
    [...]  
]  
}  
}
```

REST APIs for Deployment Environment

14

You can view the associated deployment environments to a cloud provider. You can also use the APIs to manage these deployment environments.

Get Deployment Environments

Retrieves a paginated list of deployment environments.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-environment?page=Page&page-size=PageSize`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-environment?page=0&page-size=10`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {
      "id": "1",
      "lockVersion": 4,
      "name": "DE",
      "description": "QA Deployment Environment",
      "lastUpdated": 1378765277632,
      "lastUpdateUser": "admin",
      "created": 1378765102894,
      "createUser": "admin",
      "cloudProviderRef": {
```

```

    "uri": "/darwin/api/2.0/cloud-provider/1",
    "id": "1",
    "name": "Cloud"
  },
  "properties": [
    {
      "propertyDefinition": {
        "id": "1024",
        "lockVersion": 0,
        "name": "VDC URI",
        "description": "Virtual Data Center URI",
        "key": "vdc_uri",
        "type": "STRING",
        "secure": false,
        "required": false
      },
      "value": "https://192.0.2.255/api/vdc/a2079642-0bde-42e5-8646-7a333618355b",
      "overrideable": false
    }
  ]
}
]
}

```

Get Deployment Environment

Retrieves the deployment environment based on the provided identification.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-environment/DeploymentEnvironmentID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-environment/1`

Response

```

{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "1",
    "lockVersion": 4,
    "name": "DE",
    "description": "QA Deployment Environment",
    "lastUpdated": 1378765277632,
    "lastUpdateUser": "admin",
  }
}

```

```

    "created": 1378765102894,
    "createUser": "admin",
    "cloudProviderRef": {
      "uri": "/darwin/api/2.0/cloud-provider/1",
      "id": "1",
      "name": "Cloud"
    },
    "properties": [
      {
        "propertyDefinition": {
          "id": "1024",
          "lockVersion": 0,
          "name": "VDC URI",
          "description": "Virtual Data Center URI",
          "key": "vdc_uri",
          "type": "STRING",
          "secure": false,
          "required": false
        },
        "value": "https://192.0.2.255/api/vdc/a2079642-0bde-42e5-8646-7a333618355b",
        "overrideable": false
      }
    ]
  }
}

```

Create Deployment Environment

Creates a deployment environment.

The application cloud administrator can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-environment`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-environment`

Request

```

{
  "id": "0",
  "lockVersion": 0,
  "name": "New DE",
  "description": "Deployment Environment",
  "cloudProviderRef": {
    "uri": "/darwin/api/2.0/cloud-provider/1",
    "id": "1",
    "name": "Cloud"
  }
}

```

```

},
"properties": [
  {
    "propertyDefinition": {
      "id": "1024",
      "lockVersion": 0,
      "name": "VDC URI",
      "description": "Virtual Data Center URI",
      "key": "vdc_uri",
      "type": "STRING",
      "secure": false,
      "required": false
    },
    "value": "https://192.0.2.255/api/vdc/a2079642-0bde-42e5-8646-7a333618355b",
    "overrideable": false
  }
]
}

```

Response

```

{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Deployment Environment saved successfully.",
      "messageKey": "deploymentEnvironment.save.msg",
      "property": null
    }
  ],
  "result": {
    "id": "2",
    "lockVersion": 1,
    "name": "New DE",
    "description": "Deployment Environment",
    "lastUpdated": 1378935302738,
    "lastUpdateUser": "admin",
    "created": 1378935302737,
    "createUser": "admin",
    "cloudProviderRef": {
      "uri": "/darwin/api/2.0/cloud-provider/1",
      "id": "1",
      "name": "Cloud"
    }
  },
  "properties": [
    {
      "propertyDefinition": {
        "id": "1024",
        "lockVersion": 0,
        "name": "VDC URI",
        "description": "Virtual Data Center URI",
        "key": "vdc_uri",
        "type": "STRING",
        "secure": false,

```

```

        "required": false
      },
      "value": "https://192.0.2.255/api/vdc/a2079642-0bde-42e5-8646-7a333618355b",
      "overrideable": false
    }
  ]
}
}

```

Get Deployment Environment Property Values

Retrieves the property value definitions of a deployment environment associated to a cloud provider.

The application cloud administrator can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/CloudProviderID/de-property-value-choices/Key`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/cloud-provider/3/de-property-value-choices/reservation_policy_uri`

Response

```

{
  "errors": false,
  "messageList": [],
  "count": 5,
  "results": [
    "vcac://auto",
    "vcac://rp/3f98e478-f941-4aeb-ae4a-3cc77df908d3",
    "vcac://rp/b942ab8d-10ff-41c2-b4e8-777c89e3cfbc",
    "vcac://rp/4443368b-8246-4194-9dd3-d4aecdd06996",
    "vcac://rp/0d73b1a2-efc-4ec0-bd25-d4b20dbfdf06"
  ]
}

```

Get Cloud Storage

Retrieves a list of cloud storage associated to a deployment environment.

The application cloud administrator can access this API.

HTTP Method

GET

URI Syntax

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-
environment/DeploymentEnvironmentID/cloud-storage
```

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-environment/3/cloud-storage
```

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {
      "id": "0",
      "lockVersion": 0,
      "name": "gold",
      "description": null,
      "cloudStorageExtref": {
        "id": "vcac://sp/964185d6-3f40-44e0-9743-be5eed5528e1",
        "name": "gold"
      },
      "properties": []
    }
  ]
}
```

Get Cloud Network

Retrieves a list of cloud networks associated to a deployment environment.

The application cloud administrator can access this API.

HTTP Method

GET

URI Syntax

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-
environment/DeploymentEnvironmentID/cloud-network
```

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-environment/24/cloud-network
```


Response

```

{
  "errors": false,
  "messageList": [],
  "count": 2,
  "results": [
    {
      "id": "0",
      "lockVersion": 0,
      "name": "AppDir-Direct",
      "description": null,
      "cloudNetworkExtref": {
        "id": "https://vcd-server-bat-3.test.com/api/admin/network/548d8ee5-2459-42b4-
affc-920e8292f1c3",
        "name": "AppDir-Direct"
      },
      "properties": [
        {
          "propertyDefinition": {
            "id": null,
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "isolated",
            "type": null,
            "secure": false,
            "required": false
          },
          "value": "false",
          "overrideable": false
        },
        {
          "propertyDefinition": {
            "id": null,
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "routed",
            "type": null,
            "secure": false,
            "required": false
          },
          "value": "false",
          "overrideable": false
        },
        {
          "propertyDefinition": {
            "id": null,
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "gatewayIp",
            "type": null,

```

```

        "secure": false,
        "required": false
    },
    "value": "192.0.2.255.253",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": null,
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "pool",
        "type": null,
        "secure": false,
        "required": false
    },
    "value": "true",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": null,
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "bridged",
        "type": null,
        "secure": false,
        "required": false
    },
    "value": "true",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": null,
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "dhcp",
        "type": null,
        "secure": false,
        "required": false
    },
    "value": "false",
    "overrideable": false
}
]
},
{
    "id": "0",
    "lockVersion": 0,
    "name": "Test-Routed",
    "description": null,

```

```

"cloudNetworkExtref": {
  "id": "https://vcd-server-bat-3.test.com/api/admin/network/124f244a-
c3b4-4b0f-98c8-dbab4e95905e",
  "name": "Test-Routed"
},
"properties": [
  {
    "propertyDefinition": {
      "id": null,
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "isolated",
      "type": null,
      "secure": false,
      "required": false
    },
    "value": "false",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": null,
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "routed",
      "type": null,
      "secure": false,
      "required": false
    },
    "value": "true",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": null,
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "gatewayIp",
      "type": null,
      "secure": false,
      "required": false
    },
    "value": "192.0.2.255",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": null,
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "pool",

```

```

        "type": null,
        "secure": false,
        "required": false
    },
    "value": "true",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": null,
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "bridged",
        "type": null,
        "secure": false,
        "required": false
    },
    "value": "false",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": null,
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "dhcp",
        "type": null,
        "secure": false,
        "required": false
    },
    "value": "false",
    "overrideable": false
}
]
}
]
}

```

Delete Deployment Environment

Deletes the deployment environment associated to a cloud provider.

The application cloud administrator can access this API.

HTTP Method

DELETE

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-environment/DeploymentEnvironmentID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-environment/2
```

Response

```
{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Successfully deleted Deployment Environment.",
      "messageKey": "delete.msg",
      "property": null
    }
  ]
}
```


REST APIs for Deployment Profiles

You can view deployment profile for an application version. You can also use the APIs to create and delete a deployment profile.

Deployment Profiles for Application Version

Retrieves the deployment profile for an application version based on the provided identification.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/application-version/ApplicationVersionID/deployment-profile`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/application-version/513/deployment-profile`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {
      "id": "311",
      "lockVersion": 1,
      "name": "SPRING TRAVEL DP - IT",
      "description": "IT Profile Content for Spring Travel App",
      "lastUpdated": 1322020758327,
      "lastUpdateUser": "SYSTEM",
      "created": 1322020758327,
      "createUser": "SYSTEM",
      "profileNodes": [
```

```

{
  "id": "20",
  "lockVersion": 1,
  "node": {
    "id": "16",
    "lockVersion": 1,
    "name": "SpringTravel",
    "description": "Spring Travel app node",
    "cluster": false,
    "clusterSize": 1,
    "memoryMb": 2048,
    "vcpuCount": 1,
    "hostname": "",
    "logicalTemplateVersionRef": {
      "uri": "/darwin/api/2.0/logical-template-version/324",
      "id": "324",
      "name": "CentOS63 32bit v1.0.0"
    },
  },
  "osVersionRef": {
    "uri": "/darwin/api/2.0/operating-system-version/115",
    "id": "115",
    "name": "CentOS32 v6.3.0"
  },
  "serviceNodeComponents": [],
  "applicationNodeComponents": [],
  "disks": [
    {
      "description": "disk to store archive data",
      "id": "23",
      "lockVersion": 2,
      "name": "archives",
      "properties": [
        {
          "overrideable": true,
          "propertyDefinition": {
            "description": null,
            "id": "173683",
            "key": "ProvisionMode",
            "lockVersion": 0,
            "name": "ProvisionMode",
            "required": true,
            "secure": false,
            "type": "STRING"
          },
          "value": "THICK"
        },
        {
          "overrideable": true,
          "propertyDefinition": {
            "description": null,
            "id": "173684",
            "key": "DiskSize",
            "lockVersion": 0,
            "name": "DiskSize",
            "required": true,

```



```

        "secure": false,
        "type": "STRING"
    },
    "value": "100"
},
{
    "overrideable": true,
    "propertyDefinition": {
        "description": null,
        "id": "173685",
        "key": "FileSystem",
        "lockVersion": 0,
        "name": "FileSystem",
        "required": true,
        "secure": false,
        "type": "STRING"
    },
    "value": ""
},
{
    "overrideable": true,
    "propertyDefinition": {
        "description": null,
        "id": "173686",
        "key": "MountPoint",
        "lockVersion": 0,
        "name": "MountPoint",
        "required": true,
        "secure": false,
        "type": "STRING"
    },
    "value": "/database/archives"
}
],
"tags": [
    {
        "createUser": "SYSTEM",
        "created": 1385434700027,
        "description": "Disk to store archive files.",
        "id": "49",
        "lastUpdateUser": "SYSTEM",
        "lastUpdated": 1385434700027,
        "lockVersion": 1,
        "name": "Archive",
        "type": "Disk Type"
    }
]
},
"nics": [
    {
        "id": "8",
        "lockVersion": 1,
        "name": "NICO",
        "description": null,

```

```

        "networkName": "ServiceNetwork"
    },
    {
        "id": "14",
        "lockVersion": 1,
        "name": "NIC1",
        "description": null,
        "networkName": "MgmtNetwork"
    }
]
},
"physicalTemplateRef": {
    "uri": "/darwin/api/2.0/registered-physical-template/49",
    "id": "49",
    "name": "C63x32_v10"
},
"profileDisks": [
    {
        "cloudStorageExtref": {
            "id": "vcac://sp/964185d6-3f40-44e0-9743-
be5eed5528e1",
            "name": "gold"
        },
        "id": "22",
        "lockVersion": 1,
        "nodeDisk": {
            "description": "disk to store archive data",
            "id": "23",
            "lockVersion": 2,
            "name": "archives",
            "properties": [
                {
                    "overrideable": true,
                    "propertyDefinition": {
                        "description": null,
                        "id": "173683",
                        "key": "ProvisionMode",
                        "lockVersion": 0,
                        "name": "ProvisionMode",
                        "required": true,
                        "secure": false,
                        "type": "STRING"
                    },
                    "value": "THICK"
                },
                {
                    "overrideable": true,
                    "propertyDefinition": {
                        "description": null,
                        "id": "173684",
                        "key": "DiskSize",
                        "lockVersion": 0,
                        "name": "DiskSize",
                        "required": true,
                        "secure": false,
                    }
                }
            ]
        }
    }
]
}

```

```

        "type": "STRING"
    },
    "value": "100"
},
{
    "overrideable": true,
    "propertyDefinition": {
        "description": null,
        "id": "173685",
        "key": "FileSystem",
        "lockVersion": 0,
        "name": "FileSystem",
        "required": true,
        "secure": false,
        "type": "STRING"
    },
    "value": ""
},
{
    "overrideable": true,
    "propertyDefinition": {
        "description": null,
        "id": "173686",
        "key": "MountPoint",
        "lockVersion": 0,
        "name": "MountPoint",
        "required": true,
        "secure": false,
        "type": "STRING"
    },
    "value": "/database/archives"
}
],
"tags": [
    {
        "createUser": "SYSTEM",
        "created": 1385434700027,
        "description": "Disk to store archive files.",
        "id": "49",
        "lastUpdateUser": "SYSTEM",
        "lastUpdated": 1385434700027,
        "lockVersion": 1,
        "name": "Archive",
        "type": "Disk Type"
    }
]
},
"properties": [
    {
        "overrideable": true,
        "propertyDefinition": {
            "description": null,
            "id": "173683",
            "key": "ProvisionMode",
            "lockVersion": 0,

```

```

        "name": "ProvisionMode",
        "required": true,
        "secure": false,
        "type": "STRING"
    },
    "value": "THICK"
},
{
    "overrideable": true,
    "propertyDefinition": {
        "description": null,
        "id": "173684",
        "key": "DiskSize",
        "lockVersion": 0,
        "name": "DiskSize",
        "required": true,
        "secure": false,
        "type": "STRING"
    },
    "value": "80"
},
{
    "overrideable": true,
    "propertyDefinition": {
        "description": null,
        "id": "173685",
        "key": "FileSystem",
        "lockVersion": 0,
        "name": "FileSystem",
        "required": true,
        "secure": false,
        "type": "STRING"
    },
    "value": ""
},
{
    "overrideable": true,
    "propertyDefinition": {
        "description": null,
        "id": "173686",
        "key": "MountPoint",
        "lockVersion": 0,
        "name": "MountPoint",
        "required": true,
        "secure": false,
        "type": "STRING"
    },
    "value": "/database/archives"
}
    ]
}
],
"properties": [
    {
        "propertyDefinition": {

```

```

        "id": "521",
        "lockVersion": 0,
        "name": "vCPU",
        "description": null,
        "key": "vCPU",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "1",
    "overrideable": true
}
[...]
```

```

    ]
}
],
"profileNodeComponents": [
{
    "id": "33",
    "lockVersion": 1,
    "name": null,
    "description": null,
    "nodeComponent": {
        "id": "9820",
        "lockVersion": 0,
        "name": "SpringTravelApp",
        "description": null,
        "nodeComponentDetailsRef": {
            "uri": "/darwin/api/2.0/node-component-details/9820",
            "id": "9820",
            "name": "SpringTravelApp"
        }
    }
},
"properties": [
{
    "propertyDefinition": {
        "id": "152",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "war_file",
        "type": "CONTENT",
        "secure": false,
        "required": true
    },
    "value": "https://nexus.springsource.com/service/local/repositories/darwin-
artifact-binary/content/com/vmware/darwin/app/swf-booking-mvc/1.0/swf-booking-mvc-1.0.war",
    "overrideable": true
}
[...]
```

```

    ],
    "scripts": []
},
{
    "id": "34",

```

```

    "lockVersion": 1,
    "name": null,
    "description": null,
    "nodeComponent": {
      "id": "9801",
      "lockVersion": 0,
      "name": "tcServer",
      "description": null,
      "nodeComponentDetailsRef": {
        "uri": "/darwin/api/2.0/node-component-details/9801",
        "id": "9801",
        "name": "tcServer"
      },
    },
    "serviceRef": {
      "uri": null,
      "id": null,
      "name": null
    },
    "preinstalled": false,
    "applicationNodeComponents": []
  },
  "properties": [
    {
      "propertyDefinition": {
        "id": "905",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "global_conf",
        "type": "CONTENT",
        "secure": false,
        "required": true
      },
      "value": "https://${darwin.server.ip}:8443/darwin/conf/darwin_global.conf",
      "overrideable": true
    }
  ]
[...],
  "scripts": []
}
],
"applicationVersionRef": {
  "uri": "/darwin/api/2.0/application-version/513",
  "id": "513",
  "name": "Spring Travel v1.0.0"
},
"deploymentProfileNetworkMappings": [
  {
    "id": "5",
    "lockVersion": 1,
    "networkName": "ServiceNetwork",
    "cloudNetworkExtref": {
      "id": "https://10.64.62.75/api/admin/network/c6c751df-4a78-4f18-bbef-82bb8e30372e",
      "name": "itest-PAYG-T2-direct"
    }
  },

```

```

        "nodeNames": [
            "SpringTravel"
        ]
    },
    {
        "id": "6",
        "lockVersion": 1,
        "networkName": "MgmtNetwork",
        "cloudNetworkExtref": {
            "id": "https://10.64.62.75/api/admin/network/c6c751df-4a78-4f18-bbef-82bb8e30372e",
            "name": "itest-PAYG-T2-direct"
        },
        "nodeNames": [
            "SpringTravel"
        ]
    }
],
"deploymentEnvironmentRef": {
    "uri": "/darwin/api/2.0/deployment-environment/10",
    "id": "10",
    "name": "itest-PAYG-T2"
}
}
]
}

```

Create Deployment Profile

Creates a deployment profile. You must specify the property values to override.

NOTE The URI should not contain a deployment profile identification. Remove the identification or set it as 0.

The application publisher and developer or system administrator can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-profile`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-profile`

Request

```

{
    "id": "",
    "lockVersion": 1,
    "name": "SPRING TRAVEL DP2",
    "description": "IT Profile Content for Spring Travel App",
    "lastUpdated": 1322020758327,

```

```

"lastUpdateUser": "SYSTEM",
"created": 1322020758327,
"createUser": "SYSTEM",
"profileNodes": [
  {
    "id": "20",
    "lockVersion": 1,
    "node": {
      "id": "16",
      "lockVersion": 1,
      "name": "SpringTravel",
      "description": "Spring Travel app node",
      "cluster": false,
      "clusterSize": 1,
      "memoryMb": 2048,
      "vcpuCount": 1,
      "hostname": "",
      "logicalTemplateVersionRef": {
        "uri": "/darwin/api/2.0/logical-template-version/324",
        "id": "324",
        "name": "CentOS63 32bit v1.0.0"
      },
    },
    "osVersionRef": {
      "uri": "/darwin/api/2.0/operating-system-version/115",
      "id": "115",
      "name": "CentOS32 v6.3.0"
    },
    "serviceNodeComponents": [],
    "applicationNodeComponents": [],
    "disks": [],
    "nics": [
      {
        "id": "8",
        "lockVersion": 1,
        "name": "NIC0",
        "description": null,
        "networkName": "ServiceNetwork"
      },
      {
        "id": "14",
        "lockVersion": 1,
        "name": "NIC1",
        "description": null,
        "networkName": "MgmtNetwork"
      }
    ]
  },
  {
    "physicalTemplateRef": {
      "uri": "/darwin/api/2.0/registered-physical-template/51",
      "id": "51",
      "name": "C63x32_OneMirror_v10"
    },
    "profileDisks": [],
    "properties": [
      {

```



```

        "propertyDefinition": {
            "id": "521",
            "lockVersion": 0,
            "name": "vCPU",
            "description": null,
            "key": "vCPU",
            "type": "STRING",
            "secure": false,
            "required": true
        },
        "value": "1",
        "overrideable": true
    }
]
},
"profileNodeComponents": [
    {
        "id": "33",
        "lockVersion": 1,
        "name": null,
        "description": null,
        "nodeComponent": {
            "id": "9820",
            "lockVersion": 0,
            "name": "SpringTravelApp",
            "description": null,
            "nodeComponentDetailsRef": {
                "uri": "/darwin/api/2.0/node-component-details/9820",
                "id": "9820",
                "name": "SpringTravelApp"
            }
        }
    },
    {
        "properties": [
            {
                "propertyDefinition": {
                    "id": "152",
                    "lockVersion": 0,
                    "name": null,
                    "description": null,
                    "key": "war_file",
                    "type": "CONTENT",
                    "secure": false,
                    "required": true
                },
                "value": "https://nexus.springsource.com/service/local/repositories/darwin-
artifact-binary/content/com/vmware/darwin/app/swf-booking-mvc/1.0/swf-booking-mvc-1.0.war",
                "overrideable": true
            }
        ],
        "scripts": []
    },
    {
        "id": "34",
        "lockVersion": 1,

```

```

    "name": null,
    "description": null,
    "nodeComponent": {
      "id": "9801",
      "lockVersion": 0,
      "name": "tcServer",
      "description": null,
      "nodeComponentDetailsRef": {
        "uri": "/darwin/api/2.0/node-component-details/9801",
        "id": "9801",
        "name": "tcServer"
      },
    },
    "serviceRef": {
      "uri": null,
      "id": null,
      "name": null
    },
    "preinstalled": false,
    "applicationNodeComponents": []
  },
  "properties": [
    {
      "propertyDefinition": {
        "id": "905",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "global_conf",
        "type": "CONTENT",
        "secure": false,
        "required": true
      },
      "value": "https://${darwin.server.ip}:8443/darwin/conf/darwin_global.conf",
      "overrideable": true
    }
  ],
  "scripts": []
}
],
"applicationVersionRef": {
  "uri": "/darwin/api/2.0/application-version/513",
  "id": "513",
  "name": "Spring Travel v1.0.0"
},
"deploymentProfileNetworkMappings": [
  {
    "id": "5",
    "lockVersion": 1,
    "networkName": "ServiceNetwork",
    "cloudNetworkExtref": {
      "id":
"https://vcloud.eng.vmware.com/api/network/b95fc04d-99cc-4b9d-965c-80e9915abda",
      "name": "ExternalNetwork-IPPOOL"
    },
  },
  "nodeName": [

```

```

        "SpringTravel"
    ]
},
{
    "id": "6",
    "lockVersion": 1,
    "networkName": "MgmtNetwork",
    "cloudNetworkExtref": {
        "id":
"https://vcloud.eng.vmware.com/api/network/5d69948b-1360-455f-888e-05bf48f8db26",
        "name": "appit-red.orgnet.org"
    },
    "nodeNames": [
        "SpringTravel"
    ]
}
],
"deploymentEnvironmentRef": {
    "uri": "/darwin/api/2.0/deployment-environment/5",
    "id": "5",
    "name": "itest-PAYG"
}
}
}

```

Response

```

{
    "errors": false,
    "messageList": [
        {
            "messageType": "INFO",
            "message": "Deployment Profile saved successfully.",
            "messageKey": "deployment.profile.save.msg",
            "property": null
        }
    ],
    "result": {
        "id": "1001",
        "lockVersion": 2,
        "name": "SPRING TRAVEL DP2",
        "description": "IT Profile Content for Spring Travel App",
        "lastUpdated": 1383599165170,
        "lastUpdateUser": "admin",
        "created": 1383599165129,
        "createUser": "admin",
        "profileNodes": [
            {
                "id": "1001",
                "lockVersion": 2,
                "node": {
                    "id": "16",
                    "lockVersion": 1,
                    "name": "SpringTravel",
                    "description": "Spring Travel app node",
                    "cluster": false,

```

```

"clusterSize": 1,
"memoryMb": 2048,
"vcpuCount": 1,
"hostname": "",
"logicalTemplateVersionRef": {
  "uri": "/darwin/api/2.0/logical-template-version/324",
  "id": "324",
  "name": "CentOS63 32bit v1.0.0"
},
"osVersionRef": {
  "uri": "/darwin/api/2.0/operating-system-version/115",
  "id": "115",
  "name": "CentOS32 v6.3.0"
},
"serviceNodeComponents": [],
"applicationNodeComponents": [],
"disks": [],
"nics": [
  {
    "id": "8",
    "lockVersion": 1,
    "name": "NIC0",
    "description": null,
    "networkName": "ServiceNetwork"
  },
  {
    "id": "14",
    "lockVersion": 1,
    "name": "NIC1",
    "description": null,
    "networkName": "MgmtNetwork"
  }
]
},
"physicalTemplateRef": {
  "uri": "/darwin/api/2.0/registered-physical-template/51",
  "id": "51",
  "name": "C63x32_OneMirror_v10"
},
"profileDisks": [],
"properties": [
  {
    "propertyDefinition": {
      "id": "521",
      "lockVersion": 0,
      "name": "vCPU",
      "description": null,
      "key": "vCPU",
      "type": "STRING",
      "secure": false,
      "required": true
    },
    "value": "1",
    "overrideable": true
  }
],

```

```

    {
      "propertyDefinition": {
        "id": "524",
        "lockVersion": 0,
        "name": "Hostname",
        "description": null,
        "key": "Hostname",
        "type": "STRING",
        "secure": false,
        "required": false
      },
      "value": "",
      "overrideable": true
    }
  ]
},
"profileNodeComponents": [
  {
    "id": "1001",
    "lockVersion": 2,
    "name": null,
    "description": null,
    "nodeComponent": {
      "id": "9820",
      "lockVersion": 0,
      "name": "SpringTravelApp",
      "description": null,
      "nodeComponentDetailsRef": {
        "uri": "/darwin/api/2.0/node-component-details/9820",
        "id": "9820",
        "name": "SpringTravelApp"
      }
    }
  },
  "properties": [
    {
      "propertyDefinition": {
        "id": "152",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "war_file",
        "type": "CONTENT",
        "secure": false,
        "required": true
      },
      "value": "https://nexus.springsource.com/service/local/repositories/darwin-artifact-
binary/content/com/vmware/darwin/app/swf-booking-mvc/1.0/swf-booking-mvc-1.0.war",
      "overrideable": true
    },
    {
      "propertyDefinition": {
        "id": "153",
        "lockVersion": 0,
        "name": null,

```

```

        "description": null,
        "key": "webapps_dir",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "${['self']['tcServer']['webapps_dir']}",
    "overrideable": false
}
],
"scripts": []
},
{
    "id": "1002",
    "lockVersion": 2,
    "name": null,
    "description": null,
    "nodeComponent": {
        "id": "9801",
        "lockVersion": 0,
        "name": "tcServer",
        "description": null,
        "nodeComponentDetailsRef": {
            "uri": "/darwin/api/2.0/node-component-details/9801",
            "id": "9801",
            "name": "tcServer"
        },
    },
    "serviceRef": {
        "uri": null,
        "id": null,
        "name": null
    },
    "preinstalled": false,
    "applicationNodeComponents": []
},
"properties": [
    {
        "propertyDefinition": {
            "id": "905",
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "global_conf",
            "type": "CONTENT",
            "secure": false,
            "required": true
        },
        "value": "https://${darwin.server.ip}:8443/darwin/conf/darwin_global.conf",
        "overrideable": true
    }
],
"applicationVersionRef": {
    "uri": "/darwin/api/2.0/application-version/513",
    "id": "513",
    "name": "Spring Travel v1.0.0"
}

```

```

    },
    "deploymentProfileNetworkMappings": [
      {
        "id": "1001",
        "lockVersion": 1,
        "networkName": "ServiceNetwork",
        "cloudNetworkExtref": {
          "id": "https://darwin-vcloud-
cell.eng.vmware.com/api/network/b95fc04d-99cc-4b9d-965c-80e9915abdba",
          "name": "ExternalNetwork-IPPOOL"
        },
        "nodeNames": [
          "SpringTravel"
        ]
      },
      {
        "id": "1002",
        "lockVersion": 1,
        "networkName": "MgmtNetwork",
        "cloudNetworkExtref": {
          "id": "https://darwin-vcloud-
cell.eng.vmware.com/api/network/5d69948b-1360-455f-888e-05bf48f8db26",
          "name": "appit-red.orgnet.org"
        },
        "nodeNames": [
          "SpringTravel"
        ]
      }
    ],
    "deploymentEnvironmentRef": {
      "uri": "/darwin/api/2.0/deployment-environment/5",
      "id": "5",
      "name": "itest-PAYG"
    }
  }
}

```

Update Deployment Profile

Updates the existing deployment profile.

The application publisher and developer or system administrator can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-profile/DeploymentProfileID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-profile/454`

Request

```

{
  "lockVersion": 1,
  "name": "Deployment Profile for CDB",
  "profileNodes": [
    {
      "id": "1314",
      "lockVersion": 1,
      "node": {
        "id": "2",
        "lockVersion": 7,
        "name": "database",
        "description": "DB TIER NODE",
        "cluster": false,
        "clusterSize": 1,
        "memoryMb": 512,
        "vcpuCount": 1,
        "hostname": "",
        "logicalTemplateVersionRef": {
          "uri": "/darwin/api/2.0/logical-template-version/324",
          "id": "324",
          "name": "CentOS63 32bit v1.0.0"
        },
      },
      "osVersionRef": {
        "uri": "/darwin/api/2.0/operating-system-version/115",
        "id": "115",
        "name": "CentOS32 v6.3.0"
      },
      "serviceNodeComponents": [],
      "applicationNodeComponents": [],
      "disks": [],
      "nics": [
        {
          "id": "1",
          "lockVersion": 7,
          "name": "NIC0",
          "description": null,
          "networkName": "ServiceNetwork"
        }
      ]
    },
    {
      "physicalTemplateRef": {
        "uri": "/darwin/api/2.0/registered-physical-template/1",
        "id": "1",
        "name": "centos63x32"
      },
      "profileDisks": [],
      "properties": [
        {
          "propertyDefinition": {
            "id": "501",
            "lockVersion": 0,
            "name": "vCPU",

```



```

        "description": null,
        "key": "vCPU",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "1",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "502",
        "lockVersion": 0,
        "name": "Memory(MB)",
        "description": null,
        "key": "Memory(MB)",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "512",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "503",
        "lockVersion": 0,
        "name": "ClusterSize",
        "description": null,
        "key": "ClusterSize",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "1",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "570",
        "lockVersion": 0,
        "name": "Hostname",
        "description": null,
        "key": "Hostname",
        "type": "STRING",
        "secure": false,
        "required": false
    },
    "value": "",
    "overrideable": true
}
]
},
{
    "id": "1315",

```

```

"lockVersion": 1,
"node": {
  "id": "3",
  "lockVersion": 7,
  "name": "appserver",
  "description": "APP SERVER TIER NODE",
  "cluster": true,
  "clusterSize": 1,
  "memoryMb": 2048,
  "vcpuCount": 1,
  "hostname": "",
  "logicalTemplateVersionRef": {
    "uri": "/darwin/api/2.0/logical-template-version/324",
    "id": "324",
    "name": "CentOS63 32bit v1.0.0"
  },
  "osVersionRef": {
    "uri": "/darwin/api/2.0/operating-system-version/115",
    "id": "115",
    "name": "CentOS32 v6.3.0"
  },
  "serviceNodeComponents": [],
  "applicationNodeComponents": [],
  "disks": [],
  "nics": [
    {
      "id": "2",
      "lockVersion": 7,
      "name": "NIC0",
      "description": null,
      "networkName": "ServiceNetwork"
    }
  ]
},
"physicalTemplateRef": {
  "uri": "/darwin/api/2.0/registered-physical-template/1",
  "id": "1",
  "name": "centos63x32"
},
"profileDisks": [],
"properties": [
  {
    "propertyDefinition": {
      "id": "504",
      "lockVersion": 0,
      "name": "vCPU",
      "description": null,
      "key": "vCPU",
      "type": "STRING",
      "secure": false,
      "required": true
    },
    "value": "2",
    "overrideable": true
  },

```

```

    {
      "propertyDefinition": {
        "id": "505",
        "lockVersion": 0,
        "name": "Memory(MB)",
        "description": null,
        "key": "Memory(MB)",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "2048",
      "overrideable": true
    },
    {
      "propertyDefinition": {
        "id": "506",
        "lockVersion": 0,
        "name": "ClusterSize",
        "description": null,
        "key": "ClusterSize",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "3",
      "overrideable": true
    },
    {
      "propertyDefinition": {
        "id": "571",
        "lockVersion": 0,
        "name": "Hostname",
        "description": null,
        "key": "Hostname",
        "type": "STRING",
        "secure": false,
        "required": false
      },
      "value": "",
      "overrideable": true
    }
  ]
},
{
  "id": "1316",
  "lockVersion": 1,
  "node": {
    "id": "60102",
    "lockVersion": 4,
    "name": "load_balancer",
    "description": "WEB SERVER TIER NODE",
    "cluster": false,
    "clusterSize": 1,
    "memoryMb": 512,

```

```

"vcpuCount": 1,
"hostname": "",
"logicalTemplateVersionRef": {
  "uri": "/darwin/api/2.0/logical-template-version/324",
  "id": "324",
  "name": "CentOS63 32bit v1.0.0"
},
"osVersionRef": {
  "uri": "/darwin/api/2.0/operating-system-version/115",
  "id": "115",
  "name": "CentOS32 v6.3.0"
},
"serviceNodeComponents": [],
"applicationNodeComponents": [],
"disks": [],
"nics": [
  {
    "id": "60114",
    "lockVersion": 1,
    "name": "NIC1",
    "description": null,
    "networkName": "MgmtNetwork"
  },
  {
    "id": "60108",
    "lockVersion": 3,
    "name": "NIC0",
    "description": null,
    "networkName": "ServiceNetwork"
  }
],
"physicalTemplateRef": {
  "uri": "/darwin/api/2.0/registered-physical-template/1",
  "id": "1",
  "name": "centos63x32"
},
"profileDisks": [],
"properties": [
  {
    "propertyDefinition": {
      "id": "171446",
      "lockVersion": 0,
      "name": "Memory(MB)",
      "description": null,
      "key": "Memory(MB)",
      "type": "STRING",
      "secure": false,
      "required": true
    },
    "value": "512",
    "overrideable": true
  },
  {
    "propertyDefinition": {

```

```

        "id": "171447",
        "lockVersion": 0,
        "name": "vCPU",
        "description": null,
        "key": "vCPU",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "1",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "171448",
        "lockVersion": 0,
        "name": "ClusterSize",
        "description": null,
        "key": "ClusterSize",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "1",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "171449",
        "lockVersion": 0,
        "name": "Hostname",
        "description": null,
        "key": "Hostname",
        "type": "STRING",
        "secure": false,
        "required": false
    },
    "value": "",
    "overrideable": true
}
]
},
"profileNodeComponents": [
    {
        "id": "3027",
        "lockVersion": 1,
        "name": null,
        "description": null,
        "nodeComponent": {
            "id": "1001",
            "lockVersion": 0,
            "name": "MySQL",
            "description": null,
            "nodeComponentDetailsRef": {

```

```

        "uri": "/darwin/api/2.0/node-component-details/1001",
        "id": "1001",
        "name": "MySql"
    },
    "serviceRef": {
        "uri": null,
        "id": null,
        "name": null
    },
    "preinstalled": false,
    "applicationNodeComponents": []
},
"properties": [
    {
        "propertyDefinition": {
            "id": "3",
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "db_port",
            "type": "STRING",
            "secure": false,
            "required": true
        },
        "value": "3306",
        "overrideable": true
    },
    {
        "propertyDefinition": {
            "id": "288",
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "max_allowed_packet",
            "type": "STRING",
            "secure": false,
            "required": true
        },
        "value": "1024M",
        "overrideable": true
    },
    {
        "propertyDefinition": {
            "id": "291",
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "Install_Path",
            "type": "COMPUTED",
            "secure": false,
            "required": false
        },
        "value": "",
        "overrideable": false
    }
],

```

```

{
  "propertyDefinition": {
    "id": "292",
    "lockVersion": 0,
    "name": null,
    "description": null,
    "key": "db_root_password",
    "type": "STRING",
    "secure": true,
    "required": true
  },
  "value": "Aq0j4V2w@whxu!",
  "overrideable": true
},
{
  "propertyDefinition": {
    "id": "298",
    "lockVersion": 0,
    "name": null,
    "description": null,
    "key": "db_root_username",
    "type": "STRING",
    "secure": false,
    "required": true
  },
  "value": "root",
  "overrideable": false
},
{
  "propertyDefinition": {
    "id": "900",
    "lockVersion": 0,
    "name": null,
    "description": null,
    "key": "global_conf",
    "type": "CONTENT",
    "secure": false,
    "required": true
  },
  "value": "https://${darwin.server.ip}:8443/darwin/conf/darwin_global.conf",
  "overrideable": true
},
{
  "propertyDefinition": {
    "id": "43010",
    "lockVersion": 0,
    "name": null,
    "description": null,
    "key": "JAVA_HOME",
    "type": "STRING",
    "secure": false,
    "required": true
  },
  "value": "/opt/vmware-jre",
  "overrideable": true
}

```

```

    }
  ],
  "scripts": []
},
{
  "id": "3028",
  "lockVersion": 1,
  "name": null,
  "description": null,
  "nodeComponent": {
    "id": "2000",
    "lockVersion": 0,
    "name": "initialize_db_script",
    "description": null,
    "nodeComponentDetailsRef": {
      "uri": "/darwin/api/2.0/node-component-details/2000",
      "id": "2000",
      "name": "initialize_db_script"
    }
  }
},
"properties": [
  {
    "propertyDefinition": {
      "id": "26",
      "lockVersion": 0,
      "name": "",
      "description": null,
      "key": "initialize_db_script",
      "type": "CONTENT",
      "secure": false,
      "required": true
    },
    "value": "http://${darwin.content.server.ip}/artifacts/app-
components/dukesbank/create_bank_db.sql",
    "overrideable": true
  },
  {
    "propertyDefinition": {
      "id": "40",
      "lockVersion": 0,
      "name": "",
      "description": null,
      "key": "db_username",
      "type": "STRING",
      "secure": false,
      "required": true
    },
    "value": "dukes_admin",
    "overrideable": true
  },
  {
    "propertyDefinition": {
      "id": "41",
      "lockVersion": 0,
      "name": "",

```



```

        "description": null,
        "key": "db_password",
        "type": "STRING",
        "secure": true,
        "required": true
    },
    "value": "ENC{umXy9VOJ0FPbaIuUgFE3JA/snipG4YRCqsmIwWhC58cV
+3IQEK5RYkLlXNJ2pDiS}CNE",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "290",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "init_db_password",
        "type": "STRING",
        "secure": true,
        "required": true
    },
    "value": "${['database']['MySQL']['db_root_password']}",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "296",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "init_db_username",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "${['database']['MySQL']['db_root_username']}",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "299",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "sample_db",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "dukes_db",
    "overrideable": true
}
],
"scripts": []
},

```

```

{
  "id": "3029",
  "lockVersion": 1,
  "name": null,
  "description": null,
  "nodeComponent": {
    "id": "1002",
    "lockVersion": 0,
    "name": "JBossAppServer",
    "description": null,
    "nodeComponentDetailsRef": {
      "uri": "/darwin/api/2.0/node-component-details/1002",
      "id": "1002",
      "name": "JBossAppServer"
    }
  },
  "serviceRef": {
    "uri": null,
    "id": null,
    "name": null
  },
  "preinstalled": false,
  "applicationNodeComponents": [],
},
"properties": [
  {
    "propertyDefinition": {
      "id": "9",
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "cheetah_install_script",
      "type": "CONTENT",
      "secure": false,
      "required": true
    },
    "value": "http://$
{darwin.content.server.ip}/artifacts/services/jboss/cheetah_install.sh",
    "overrideable": true
  },
  {
    "propertyDefinition": {
      "id": "10",
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "jboss_install_script",
      "type": "CONTENT",
      "secure": false,
      "required": true
    },
    "value": "http://$
{darwin.content.server.ip}/artifacts/services/jboss/install.sh",
    "overrideable": true
  },
  {

```

```

    "propertyDefinition": {
      "id": "11",
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "JBOSS_JMX_CONSOLE_USERS_TEMPLATE",
      "type": "CONTENT",
      "secure": false,
      "required": true
    },
    "value": "http://{darwin.content.server.ip}/artifacts/services/jboss/jmx-
console-users.properties.tpl",
    "overrideable": true
  },
  {
    "propertyDefinition": {
      "id": "14",
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "JBOSS_NAME_AND_VERSION",
      "type": "STRING",
      "secure": false,
      "required": true
    },
    "value": "jboss-5.1.0.GA",
    "overrideable": true
  },
  {
    "propertyDefinition": {
      "id": "18",
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "JBOSS_JMX_USER",
      "type": "STRING",
      "secure": false,
      "required": true
    },
    "value": "admin",
    "overrideable": true
  },
  {
    "propertyDefinition": {
      "id": "19",
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "cheetah_tgz_url",
      "type": "CONTENT",
      "secure": false,
      "required": true
    },
    "value": "http://{
darwin.content.server.ip}/artifacts/services/jboss/cheetah-2.4.4.tar.gz",

```

```

        "overrideable": true
    },
    {
        "propertyDefinition": {
            "id": "20",
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "jboss_configure_script",
            "type": "CONTENT",
            "secure": false,
            "required": true
        },
        "value": "http://$
{darwin.content.server.ip}/artifacts/services/jboss/configure.sh",
        "overrideable": true
    },
    {
        "propertyDefinition": {
            "id": "22",
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "JBOSS_JMX_PWD",
            "type": "STRING",
            "secure": true,
            "required": true
        },
        "value": "AqOj4V2w@whxu!",
        "overrideable": true
    },
    {
        "propertyDefinition": {
            "id": "23",
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "zip_url",
            "type": "CONTENT",
            "secure": false,
            "required": true
        },
        "value": "http://$
{darwin.content.server.ip}/artifacts/services/jboss/jboss-5.1.0.GA.zip",
        "overrideable": true
    },
    {
        "propertyDefinition": {
            "id": "24",
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "JBOSS_INSTANCE_NAME",
            "type": "STRING",
            "secure": false,

```

```

        "required": true
    },
    "value": "default",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "25",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "Install_Path",
        "type": "COMPUTED",
        "secure": false,
        "required": false
    },
    "value": "",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "38",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "JBOSS_BOOTRC_TEMPLATE",
        "type": "CONTENT",
        "secure": false,
        "required": true
    },
    "value": "http://$
{darwin.content.server.ip}/artifacts/services/jboss/boot.rc.tmpl",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "162",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "JVM_ROUTE",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "${['self']['host']['node_array_index']}",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "901",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "global_conf",

```

```

        "type": "CONTENT",
        "secure": false,
        "required": true
    },
    "value": "https://${darwin.server.ip}:8443/darwin/conf/darwin_global.conf",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "2265",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "JBOSSESS_PORT_NUMBER",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "8080",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "31505",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "JAVA_HOME",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "/opt/vmware-jre",
    "overrideable": true
}
],
"scripts": []
},
{
    "id": "3030",
    "lockVersion": 1,
    "name": null,
    "description": null,
    "nodeComponent": {
        "id": "3000",
        "lockVersion": 0,
        "name": "Dukes_Bank_App",
        "description": null,
        "nodeComponentDetailsRef": {
            "uri": "/darwin/api/2.0/node-component-details/3000",
            "id": "3000",
            "name": "Dukes_Bank_App"
        }
    }
},
"properties": [

```

```

{
  "propertyDefinition": {
    "id": "4",
    "lockVersion": 0,
    "name": "",
    "description": null,
    "key": "jboss_deploy_datasource_script",
    "type": "CONTENT",
    "secure": false,
    "required": true
  },
  "value": "http://${darwin.content.server.ip}/artifacts/app-
components/dukesbank/deploy_datasource.sh",
  "overrideable": true
},
{
  "propertyDefinition": {
    "id": "5",
    "lockVersion": 0,
    "name": "",
    "description": null,
    "key": "jboss_deploy_component_script",
    "type": "CONTENT",
    "secure": false,
    "required": true
  },
  "value": "http://${darwin.content.server.ip}/artifacts/app-
components/dukesbank/deploy_component.sh",
  "overrideable": true
},
{
  "propertyDefinition": {
    "id": "6",
    "lockVersion": 0,
    "name": "",
    "description": null,
    "key": "db_port",
    "type": "STRING",
    "secure": false,
    "required": true
  },
  "value": "${['database']['MySQL']['db_port']}",
  "overrideable": false
},
{
  "propertyDefinition": {
    "id": "7",
    "lockVersion": 0,
    "name": "",
    "description": null,
    "key": "db_host",
    "type": "STRING",
    "secure": false,
    "required": true
  },

```

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        "value": "${['database']['host']['ip']}",
        "overrideable": false
    },
    {
        "propertyDefinition": {
            "id": "12",
            "lockVersion": 0,
            "name": "",
            "description": null,
            "key": "JBoss_DATASOURCE_TEMPLATE",
            "type": "CONTENT",
            "secure": false,
            "required": true
        },
        "value": "http://${darwin.content.server.ip}/artifacts/app-
components/dukesbank/jboss-ds.xml.tmpl",
        "overrideable": true
    },
    {
        "propertyDefinition": {
            "id": "13",
            "lockVersion": 0,
            "name": "",
            "description": null,
            "key": "db_password",
            "type": "STRING",
            "secure": true,
            "required": true
        },
        "value": "${['database']['initialize_db_script']['db_password']}",
        "overrideable": false
    },
    {
        "propertyDefinition": {
            "id": "16",
            "lockVersion": 0,
            "name": "",
            "description": null,
            "key": "db_user",
            "type": "STRING",
            "secure": false,
            "required": true
        },
        "value": "${['database']['initialize_db_script']['db_username']}",
        "overrideable": false
    },
    {
        "propertyDefinition": {
            "id": "17",
            "lockVersion": 0,
            "name": "",
            "description": null,
            "key": "EAR_FILE",
            "type": "CONTENT",
            "secure": false,

```



```

        "required": true
    },
    "value": "http://${darwin.content.server.ip}/artifacts/app-
components/dukesbank/dukesbank-2b.ear",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "21",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "JAR_FILE",
        "type": "CONTENT",
        "secure": false,
        "required": true
    },
    "value": "http://${darwin.content.server.ip}/artifacts/app-
components/dukesbank/mysql.jdbc-5.1.6.jar",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "31498",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "APPD_SCRIPT",
        "type": "CONTENT",
        "secure": false,
        "required": true
    },
    "value": "https://${darwin.server.ip}:8443/darwin/conf/appd_functions.sh",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "31506",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "JAVA_HOME",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "${['self']['JBossAppServer']['JAVA_HOME']}",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "111115",
        "lockVersion": 0,
        "name": "",
        "description": null,

```

```

        "key": "dukes_db",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "${['database']['initialize_db_script']['sample_db']}",
    "overrideable": false
}
],
"scripts": []
},
{
    "id": "3031",
    "lockVersion": 1,
    "name": null,
    "description": null,
    "nodeComponent": {
        "id": "1003",
        "lockVersion": 0,
        "name": "Apache_LB",
        "description": null,
        "nodeComponentDetailsRef": {
            "uri": "/darwin/api/2.0/node-component-details/1003",
            "id": "1003",
            "name": "Apache_LB"
        },
    },
    "serviceRef": {
        "uri": null,
        "id": null,
        "name": null
    },
    "preinstalled": false,
    "applicationNodeComponents": []
},
"properties": [
    {
        "propertyDefinition": {
            "id": "27",
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "http_node_port",
            "type": "ARRAY",
            "secure": false,
            "required": true
        },
        "value": "${#util.all(\"['appserver']['JBossAppServer']
['JBOSS_PORT_NUMBER']\")}",
        "overrideable": false
    },
    {
        "propertyDefinition": {
            "id": "28",
            "lockVersion": 0,
            "name": null,

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```

        "description": null,
        "key": "autogen_sticky_cookie",
        "type": "STRING",
        "secure": false,
        "required": false
    },
    "value": "NO",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "29",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "http_proxy_port",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "8081",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "30",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "http_node_ips",
        "type": "ARRAY",
        "secure": false,
        "required": true
    },
    "value": "${#util.all(\['appserver']['host']['ip']\")}",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "31",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "http_port",
        "type": "STRING",
        "secure": false,
        "required": false
    },
    "value": "80",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "163",
        "lockVersion": 0,

```

```

        "name": null,
        "description": null,
        "key": "appsrv_routes",
        "type": "ARRAY",
        "secure": false,
        "required": true
    },
    "value": "${#util.all(\['appserver']['JBossAppServer']['JVM_ROUTE']\")}",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "700",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "service_restart",
        "type": "COMPUTED",
        "secure": false,
        "required": true
    },
    "value": "service httpd restart",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "701",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "service_start",
        "type": "COMPUTED",
        "secure": false,
        "required": false
    },
    "value": "service httpd start",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "702",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "service_stop",
        "type": "COMPUTED",
        "secure": false,
        "required": false
    },
    "value": "service httpd stop",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "703",

```

```

        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "tomcat_context",
        "type": "STRING",
        "secure": false,
        "required": false
    },
    "value": "",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "704",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "ajp_proxy_context",
        "type": "STRING",
        "secure": false,
        "required": false
    },
    "value": "",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "705",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "config_httpd_conf",
        "type": "COMPUTED",
        "secure": false,
        "required": false
    },
    "value": "/etc/httpd/conf/httpd.conf",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "706",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "config_conf_d",
        "type": "COMPUTED",
        "secure": false,
        "required": false
    },
    "value": "/etc/httpd/conf.d",
    "overrideable": false
},
{
    "propertyDefinition": {

```

```

        "id": "707",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "config_static_site",
        "type": "COMPUTED",
        "secure": false,
        "required": false
    },
    "value": "/var/www/html",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "708",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "use_ajp",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "NO",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "902",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "global_conf",
        "type": "CONTENT",
        "secure": false,
        "required": true
    },
    "value": "https://{darwin.server.ip}:8443/darwin/conf/darwin_global.conf",
    "overrideable": true
},
{
    "propertyDefinition": {
        "id": "1111",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "httpd_dir",
        "type": "STRING",
        "secure": false,
        "required": false
    },
    "value": "/etc/httpd",
    "overrideable": false
},
{

```

```

        "propertyDefinition": {
            "id": "43000",
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "JAVA_HOME",
            "type": "STRING",
            "secure": false,
            "required": true
        },
        "value": "/opt/vmware-jre",
        "overrideable": true
    }
],
"scripts": []
}
],
"applicationVersionRef": {
    "uri": "/darwin/api/2.0/application-version/501",
    "id": "501",
    "name": "Clustered Dukes Bank App v2.1.0"
},
"deploymentProfileNetworkMappings": [
    {
        "id": "485",
        "lockVersion": 0,
        "networkName": "MgmtNetwork",
        "cloudNetworkExtref": {
            "id": "network://vcac-default-network",
            "name": "VCAC-DEFAULT-NETWORK"
        },
        "nodeNames": [
            "load_balancer"
        ]
    },
    {
        "id": "486",
        "lockVersion": 0,
        "networkName": "ServiceNetwork",
        "cloudNetworkExtref": {
            "id": "network://vcac-default-network",
            "name": "VCAC-DEFAULT-NETWORK"
        },
        "nodeNames": [
            "database",
            "appserver",
            "load_balancer"
        ]
    }
],
"deploymentEnvironmentRef": {
    "uri": "/darwin/api/2.0/deployment-environment/1",

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        "id": "1",
        "name": "vCAC-6.0-DE"
    }
}

```

Response

```

{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Deployment Profile saved successfully.",
      "messageKey": "deployment.profile.save.msg",
      "property": null
    }
  ],
  "result": {
    "id": "454",
    "lockVersion": 2,
    "name": "Deployment Profile for CDB",
    "description": null,
    "lastUpdated": 1384408329994,
    "lastUpdateUser": "admin",
    "created": 1384407985790,
    "createUser": "admin",
    "profileNodes": [
      {
        "id": "1314",
        "lockVersion": 2,
        "node": {
          "id": "2",
          "lockVersion": 7,
          "name": "database",
          "description": "DB TIER NODE",
          "cluster": false,
          "clusterSize": 1,
          "memoryMb": 512,
          "vcpuCount": 1,
          "hostname": "",
          "logicalTemplateVersionRef": {
            "uri": "/darwin/api/2.0/logical-template-version/324",
            "id": "324",
            "name": "CentOS63 32bit v1.0.0"
          },
          "osVersionRef": {
            "uri": "/darwin/api/2.0/operating-system-version/115",
            "id": "115",
            "name": "CentOS32 v6.3.0"
          },
          "serviceNodeComponents": [],
          "applicationNodeComponents": [],
          "disks": [],
          "nics": [
            {

```



```

        "id": "1",
        "lockVersion": 7,
        "name": "NIC0",
        "description": null,
        "networkName": "ServiceNetwork"
    }
]
},
"physicalTemplateRef": {
    "uri": "/darwin/api/2.0/registered-physical-template/1",
    "id": "1",
    "name": "centos63x32"
},
"profileDisks": [],
"properties": [
    {
        "propertyDefinition": {
            "id": "501",
            "lockVersion": 0,
            "name": "vCPU",
            "description": null,
            "key": "vCPU",
            "type": "STRING",
            "secure": false,
            "required": true
        },
        "value": "1",
        "overrideable": false
    },
    {
        "propertyDefinition": {
            "id": "502",
            "lockVersion": 0,
            "name": "Memory(MB)",
            "description": null,
            "key": "Memory(MB)",
            "type": "STRING",
            "secure": false,
            "required": true
        },
        "value": "512",
        "overrideable": false
    },
    {
        "propertyDefinition": {
            "id": "503",
            "lockVersion": 0,
            "name": "ClusterSize",
            "description": null,
            "key": "ClusterSize",
            "type": "STRING",
            "secure": false,
            "required": true
        },
        "value": "1",

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        "overrideable": false
    },
    {
        "propertyDefinition": {
            "id": "570",
            "lockVersion": 0,
            "name": "Hostname",
            "description": null,
            "key": "Hostname",
            "type": "STRING",
            "secure": false,
            "required": false
        },
        "value": "",
        "overrideable": false
    }
]
},
{
    "id": "1315",
    "lockVersion": 2,
    "node": {
        "id": "3",
        "lockVersion": 7,
        "name": "appserver",
        "description": "APP SERVER TIER NODE",
        "cluster": true,
        "clusterSize": 1,
        "memoryMb": 2048,
        "vcpuCount": 1,
        "hostname": "",
        "logicalTemplateVersionRef": {
            "uri": "/darwin/api/2.0/logical-template-version/324",
            "id": "324",
            "name": "CentOS63 32bit v1.0.0"
        },
        "osVersionRef": {
            "uri": "/darwin/api/2.0/operating-system-version/115",
            "id": "115",
            "name": "CentOS32 v6.3.0"
        },
        "serviceNodeComponents": [],
        "applicationNodeComponents": [],
        "disks": [],
        "nics": [
            {
                "id": "2",
                "lockVersion": 7,
                "name": "NIC0",
                "description": null,
                "networkName": "ServiceNetwork"
            }
        ]
    },
    "physicalTemplateRef": {

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    "uri": "/darwin/api/2.0/registered-physical-template/1",
    "id": "1",
    "name": "centos63x32"
  },
  "profileDisks": [],
  "properties": [
    {
      "propertyDefinition": {
        "id": "504",
        "lockVersion": 0,
        "name": "vCPU",
        "description": null,
        "key": "vCPU",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "2",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "505",
        "lockVersion": 0,
        "name": "Memory(MB)",
        "description": null,
        "key": "Memory(MB)",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "2048",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "506",
        "lockVersion": 0,
        "name": "ClusterSize",
        "description": null,
        "key": "ClusterSize",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "3",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "571",
        "lockVersion": 0,
        "name": "Hostname",
        "description": null,
        "key": "Hostname",

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        "type": "STRING",
        "secure": false,
        "required": false
    },
    "value": "",
    "overrideable": false
}
]
},
{
    "id": "1316",
    "lockVersion": 2,
    "node": {
        "id": "60102",
        "lockVersion": 4,
        "name": "load_balancer",
        "description": "WEB SERVER TIER NODE",
        "cluster": false,
        "clusterSize": 1,
        "memoryMb": 512,
        "vcpuCount": 1,
        "hostname": "",
        "logicalTemplateVersionRef": {
            "uri": "/darwin/api/2.0/logical-template-version/324",
            "id": "324",
            "name": "CentOS63 32bit v1.0.0"
        },
        "osVersionRef": {
            "uri": "/darwin/api/2.0/operating-system-version/115",
            "id": "115",
            "name": "CentOS32 v6.3.0"
        },
        "serviceNodeComponents": [],
        "applicationNodeComponents": [],
        "disks": [],
        "nics": [
            {
                "id": "60114",
                "lockVersion": 1,
                "name": "NIC1",
                "description": null,
                "networkName": "MgmtNetwork"
            },
            {
                "id": "60108",
                "lockVersion": 3,
                "name": "NIC0",
                "description": null,
                "networkName": "ServiceNetwork"
            }
        ]
    },
    "physicalTemplateRef": {
        "uri": "/darwin/api/2.0/registered-physical-template/1",
        "id": "1",

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```

    "name": "centos63x32"
  },
  "profileDisks": [],
  "properties": [
    {
      "propertyDefinition": {
        "id": "171446",
        "lockVersion": 0,
        "name": "Memory(MB)",
        "description": null,
        "key": "Memory(MB)",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "512",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "171447",
        "lockVersion": 0,
        "name": "vCPU",
        "description": null,
        "key": "vCPU",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "1",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "171448",
        "lockVersion": 0,
        "name": "ClusterSize",
        "description": null,
        "key": "ClusterSize",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "1",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "171449",
        "lockVersion": 0,
        "name": "Hostname",
        "description": null,
        "key": "Hostname",
        "type": "STRING",
        "secure": false,

```

```

        "required": false
      },
      "value": "",
      "overrideable": false
    }
  ]
},
"profileNodeComponents": [
  {
    "id": "3027",
    "lockVersion": 2,
    "name": null,
    "description": null,
    "nodeComponent": {
      "id": "1001",
      "lockVersion": 0,
      "name": "MySql",
      "description": null,
      "nodeComponentDetailsRef": {
        "uri": "/darwin/api/2.0/node-component-details/1001",
        "id": "1001",
        "name": "MySql"
      }
    },
    "serviceRef": {
      "uri": null,
      "id": null,
      "name": null
    },
    "preinstalled": false,
    "applicationNodeComponents": []
  },
  {
    "propertyDefinition": {
      "id": "3",
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "db_port",
      "type": "STRING",
      "secure": false,
      "required": true
    },
    "value": "3306",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": "288",
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "max_allowed_packet",
      "type": "STRING",

```

```

        "secure": false,
        "required": true
    },
    "value": "1024M",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "291",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "Install_Path",
        "type": "COMPUTED",
        "secure": false,
        "required": false
    },
    "value": "",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "292",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "db_root_password",
        "type": "STRING",
        "secure": true,
        "required": true
    },
    "value":
"ENC{1BWau1KTDtYbAeZbWuYqqlefanZeDrjGIwZbXYyC78rfubnHVY1YJlvLsqzaeeyp}CNE",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "298",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "db_root_username",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "root",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "900",
        "lockVersion": 0,
        "name": null,
        "description": null,

```

```

        "key": "global_conf",
        "type": "CONTENT",
        "secure": false,
        "required": true
    },
    "value": "https://${darwin.server.ip}:
8443/darwin/conf/darwin_global.conf",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "43010",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "JAVA_HOME",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "/opt/vmware-jre",
    "overrideable": false
}
],
"scripts": []
},
{
    "id": "3028",
    "lockVersion": 2,
    "name": null,
    "description": null,
    "nodeComponent": {
        "id": "2000",
        "lockVersion": 0,
        "name": "initialize_db_script",
        "description": null,
        "nodeComponentDetailsRef": {
            "uri": "/darwin/api/2.0/node-component-details/2000",
            "id": "2000",
            "name": "initialize_db_script"
        }
    }
},
"properties": [
    {
        "propertyDefinition": {
            "id": "26",
            "lockVersion": 0,
            "name": "",
            "description": null,
            "key": "initialize_db_script",
            "type": "CONTENT",
            "secure": false,
            "required": true
        },
        "value": "http://${darwin.content.server.ip}/artifacts/app-

```



```

components/dukesbank/create_bank_db.sql",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": "40",
      "lockVersion": 0,
      "name": "",
      "description": null,
      "key": "db_username",
      "type": "STRING",
      "secure": false,
      "required": true
    },
    "value": "dukes_admin",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": "41",
      "lockVersion": 0,
      "name": "",
      "description": null,
      "key": "db_password",
      "type": "STRING",
      "secure": true,
      "required": true
    },
    "value": "ENC{umXy9VOJ0FPbaIuUgFE3JA/snipG4YRCqsmllWwhC58cV
+3IQEK5RYKLLXNJ2pDiS}CNE",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": "290",
      "lockVersion": 0,
      "name": "",
      "description": null,
      "key": "init_db_password",
      "type": "STRING",
      "secure": true,
      "required": true
    },
    "value": "${['database']['MySQL']['db_root_password']}",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": "296",
      "lockVersion": 0,
      "name": "",
      "description": null,
      "key": "init_db_username",
      "type": "STRING",
      "secure": false,

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        "required": true
    },
    "value": "${['database']['MySQL']['db_root_username']}",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "299",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "sample_db",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "dukes_db",
    "overrideable": false
}
],
"scripts": []
},
{
    "id": "3029",
    "lockVersion": 2,
    "name": null,
    "description": null,
    "nodeComponent": {
        "id": "1002",
        "lockVersion": 0,
        "name": "JBossAppServer",
        "description": null,
        "nodeComponentDetailsRef": {
            "uri": "/darwin/api/2.0/node-component-details/1002",
            "id": "1002",
            "name": "JBossAppServer"
        }
    },
    "serviceRef": {
        "uri": null,
        "id": null,
        "name": null
    },
    "preinstalled": false,
    "applicationNodeComponents": []
},
"properties": [
    {
        "propertyDefinition": {
            "id": "9",
            "lockVersion": 0,
            "name": null,
            "description": null,
            "key": "cheetah_install_script",
            "type": "CONTENT",
            "secure": false,

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        "required": true
    },
    "value": "http://$
{darwin.content.server.ip}/artifacts/services/jboss/cheetah_install.sh",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "10",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "jboss_install_script",
        "type": "CONTENT",
        "secure": false,
        "required": true
    },
    "value": "http://$
{darwin.content.server.ip}/artifacts/services/jboss/install.sh",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "11",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "JBOSS_JMX_CONSOLE_USERS_TEMPLATE",
        "type": "CONTENT",
        "secure": false,
        "required": true
    },
    "value": "http://$
{darwin.content.server.ip}/artifacts/services/jboss/jmx-console-users.properties.tpl",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "14",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "JBOSS_NAME_AND_VERSION",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "jboss-5.1.0.GA",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "18",
        "lockVersion": 0,
        "name": null,

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```

        "description": null,
        "key": "JBOSS_JMX_USER",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "admin",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "19",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "cheetah_tgz_url",
        "type": "CONTENT",
        "secure": false,
        "required": true
    },
    "value": "http://$
{darwin.content.server.ip}/artifacts/services/jboss/cheetah-2.4.4.tar.gz",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "20",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "jboss_configure_script",
        "type": "CONTENT",
        "secure": false,
        "required": true
    },
    "value": "http://$
{darwin.content.server.ip}/artifacts/services/jboss/configure.sh",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "22",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "JBOSS_JMX_PWD",
        "type": "STRING",
        "secure": true,
        "required": true
    },
    "value": "ENC{dAVB2/F1LAF0iCi4563nizo1ub/vJhJ0Frpm1YoHyGSQBLIZ0Q3c6ZVM2Bm
+w0S1}CNE",
    "overrideable": false
},
{

```

```

    "propertyDefinition": {
      "id": "23",
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "zip_url",
      "type": "CONTENT",
      "secure": false,
      "required": true
    },
    "value": "http://$
{darwin.content.server.ip}/artifacts/services/jboss/jboss-5.1.0.GA.zip",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": "24",
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "JBOSS_INSTANCE_NAME",
      "type": "STRING",
      "secure": false,
      "required": true
    },
    "value": "default",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": "25",
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "Install_Path",
      "type": "COMPUTED",
      "secure": false,
      "required": false
    },
    "value": "",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": "38",
      "lockVersion": 0,
      "name": null,
      "description": null,
      "key": "JBOSS_BOOTRC_TEMPLATE",
      "type": "CONTENT",
      "secure": false,
      "required": true
    },
    "value": "http://$
{darwin.content.server.ip}/artifacts/services/jboss/boot.rc.tpl",

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      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "162",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "JVM_ROUTE",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "${['self']['host']['node_array_index']}",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "901",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "global_conf",
        "type": "CONTENT",
        "secure": false,
        "required": true
      },
      "value": "https://${darwin.server.ip}:
8443/darwin/conf/darwin_global.conf",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "2265",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "JBOSS_PORT_NUMBER",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "8080",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "31505",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "JAVA_HOME",
        "type": "STRING",
        "secure": false,
        "required": true
      }
    }
  ]
}

```

```

        },
        "value": "/opt/vmware-jre",
        "overrideable": false
    }
],
"scripts": []
},
{
    "id": "3030",
    "lockVersion": 2,
    "name": null,
    "description": null,
    "nodeComponent": {
        "id": "3000",
        "lockVersion": 0,
        "name": "Dukes_Bank_App",
        "description": null,
        "nodeComponentDetailsRef": {
            "uri": "/darwin/api/2.0/node-component-details/3000",
            "id": "3000",
            "name": "Dukes_Bank_App"
        }
    }
},
"properties": [
    {
        "propertyDefinition": {
            "id": "4",
            "lockVersion": 0,
            "name": "",
            "description": null,
            "key": "jboss_deploy_datasource_script",
            "type": "CONTENT",
            "secure": false,
            "required": true
        },
        "value": "http://${darwin.content.server.ip}/artifacts/app-
components/dukesbank/deploy_datasource.sh",
        "overrideable": false
    },
    {
        "propertyDefinition": {
            "id": "5",
            "lockVersion": 0,
            "name": "",
            "description": null,
            "key": "jboss_deploy_component_script",
            "type": "CONTENT",
            "secure": false,
            "required": true
        },
        "value": "http://${darwin.content.server.ip}/artifacts/app-
components/dukesbank/deploy_component.sh",
        "overrideable": false
    },
    {

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```

    "propertyDefinition": {
      "id": "6",
      "lockVersion": 0,
      "name": "",
      "description": null,
      "key": "db_port",
      "type": "STRING",
      "secure": false,
      "required": true
    },
    "value": "${['database']['MySQL']['db_port']}",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": "7",
      "lockVersion": 0,
      "name": "",
      "description": null,
      "key": "db_host",
      "type": "STRING",
      "secure": false,
      "required": true
    },
    "value": "${['database']['host']['ip']}",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": "12",
      "lockVersion": 0,
      "name": "",
      "description": null,
      "key": "JBoss_DATASOURCE_TEMPLATE",
      "type": "CONTENT",
      "secure": false,
      "required": true
    },
    "value": "http://${darwin.content.server.ip}/artifacts/app-
components/dukesbank/jboss-ds.xml.tmpl",
    "overrideable": false
  },
  {
    "propertyDefinition": {
      "id": "13",
      "lockVersion": 0,
      "name": "",
      "description": null,
      "key": "db_password",
      "type": "STRING",
      "secure": true,
      "required": true
    },
    "value": "${['database']['initialize_db_script']['db_password']}",
    "overrideable": false
  }

```



```

    },
    {
      "propertyDefinition": {
        "id": "16",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "db_user",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "${['database']['initialize_db_script']['db_username']}",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "17",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "EAR_FILE",
        "type": "CONTENT",
        "secure": false,
        "required": true
      },
      "value": "http://${darwin.content.server.ip}/artifacts/app-
components/dukesbank/dukesbank-2b.ear",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "21",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "JAR_FILE",
        "type": "CONTENT",
        "secure": false,
        "required": true
      },
      "value": "http://${darwin.content.server.ip}/artifacts/app-
components/dukesbank/mysql.jdbc-5.1.6.jar",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "31498",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "APPD_SCRIPT",
        "type": "CONTENT",
        "secure": false,
        "required": true
      }
    }
  ]
}

```

```

      },
      "value": "https://${darwin.server.ip}:
8443/darwin/conf/appd_functions.sh",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "31506",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "JAVA_HOME",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "${['self']['JBossAppServer']['JAVA_HOME']}",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "111115",
        "lockVersion": 0,
        "name": "",
        "description": null,
        "key": "dukes_db",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "${['database']['initialize_db_script']['sample_db']}",
      "overrideable": false
    }
  ],
  "scripts": []
},
{
  "id": "3031",
  "lockVersion": 2,
  "name": null,
  "description": null,
  "nodeComponent": {
    "id": "1003",
    "lockVersion": 0,
    "name": "Apache_LB",
    "description": null,
    "nodeComponentDetailsRef": {
      "uri": "/darwin/api/2.0/node-component-details/1003",
      "id": "1003",
      "name": "Apache_LB"
    }
  },
  "serviceRef": {
    "uri": null,
    "id": null,
    "name": null
  }
}

```

```

    },
    "preinstalled": false,
    "applicationNodeComponents": []
  },
  "properties": [
    {
      "propertyDefinition": {
        "id": "27",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "http_node_port",
        "type": "ARRAY",
        "secure": false,
        "required": true
      },
      "value": "${#util.all(\['appserver']['JBossAppServer']
['JBOSS_PORT_NUMBER']\")}",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "28",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "autogen_sticky_cookie",
        "type": "STRING",
        "secure": false,
        "required": false
      },
      "value": "NO",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "29",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "http_proxy_port",
        "type": "STRING",
        "secure": false,
        "required": true
      },
      "value": "8081",
      "overrideable": false
    },
    {
      "propertyDefinition": {
        "id": "30",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "http_node_ips",

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```

        "type": "ARRAY",
        "secure": false,
        "required": true
    },
    "value": "${#util.all(\['appserver']['host']['ip']\")}",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "31",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "http_port",
        "type": "STRING",
        "secure": false,
        "required": false
    },
    "value": "80",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "163",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "appsrv_routes",
        "type": "ARRAY",
        "secure": false,
        "required": true
    },
    "value": "${#util.all(\['appserver']['JBossAppServer']
['JVM_ROUTE']\")}",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "700",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "service_restart",
        "type": "COMPUTED",
        "secure": false,
        "required": true
    },
    "value": "service httpd restart",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "701",
        "lockVersion": 0,
        "name": null,

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```

        "description": null,
        "key": "service_start",
        "type": "COMPUTED",
        "secure": false,
        "required": false
    },
    "value": "service httpd start",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "702",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "service_stop",
        "type": "COMPUTED",
        "secure": false,
        "required": false
    },
    "value": "service httpd stop",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "703",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "tomcat_context",
        "type": "STRING",
        "secure": false,
        "required": false
    },
    "value": "",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "704",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "ajp_proxy_context",
        "type": "STRING",
        "secure": false,
        "required": false
    },
    "value": "",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "705",
        "lockVersion": 0,

```

```

        "name": null,
        "description": null,
        "key": "config_httpd_conf",
        "type": "COMPUTED",
        "secure": false,
        "required": false
    },
    "value": "/etc/httpd/conf/httpd.conf",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "706",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "config_conf_d",
        "type": "COMPUTED",
        "secure": false,
        "required": false
    },
    "value": "/etc/httpd/conf.d",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "707",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "config_static_site",
        "type": "COMPUTED",
        "secure": false,
        "required": false
    },
    "value": "/var/www/html",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "708",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "use_ajp",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "NO",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "902",

```

```

        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "global_conf",
        "type": "CONTENT",
        "secure": false,
        "required": true
    },
    "value": "https://${darwin.server.ip}:
8443/darwin/conf/darwin_global.conf",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "1111",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "httpd_dir",
        "type": "STRING",
        "secure": false,
        "required": false
    },
    "value": "/etc/httpd",
    "overrideable": false
},
{
    "propertyDefinition": {
        "id": "43000",
        "lockVersion": 0,
        "name": null,
        "description": null,
        "key": "JAVA_HOME",
        "type": "STRING",
        "secure": false,
        "required": true
    },
    "value": "/opt/vmware-jre",
    "overrideable": false
}
],
"scripts": []
}
],
"applicationVersionRef": {
    "uri": "/darwin/api/2.0/application-version/501",
    "id": "501",
    "name": "Clustered Dukes Bank App v2.1.0"
},
"deploymentProfileNetworkMappings": [
    {
        "id": "485",
        "lockVersion": 1,
        "networkName": "MgmtNetwork",
        "cloudNetworkExtref": {

```

```

        "id": "network://vcac-default-network",
        "name": "VCAC-DEFAULT-NETWORK"
    },
    "nodeNames": [
        "load_balancer"
    ]
},
{
    "id": "486",
    "lockVersion": 1,
    "networkName": "ServiceNetwork",
    "cloudNetworkExtref": {
        "id": "network://vcac-default-network",
        "name": "VCAC-DEFAULT-NETWORK"
    },
    "nodeNames": [
        "database",
        "appserver",
        "load_balancer"
    ]
}
],
"deploymentEnvironmentRef": {
    "uri": "/darwin/api/2.0/deployment-environment/1",
    "id": "1",
    "name": "VCAC-6.0-DE"
}
}
}

```

Find Deployment Profile

Searches for a deployment profile.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/application-version/AppVersionID/dp-search?profileName=dp-name`

dp-name is the deployment profile name and AppVersionID is the application version ID.

Example URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/application-version/17272/dp-search?profileName=dpTest`

Response

```

{
    "errors": false,
    "messageList": [],
    "count": 1,
    "results": [

```



```

{
  "id": "165",
  "lockVersion": 2,
  "name": "dpTest",
  "description": null,
  "lastUpdated": 1408344456894,
  "lastUpdateUser": "username",
  "created": 1408344233563,
  "createUser": "username",
  "profileNodes": [
    {
      "id": "246",
      "lockVersion": 2,
      "node": {
        "id": "25",
        "lockVersion": 6,
        "name": "load_balancer",

```

[...]

Delete Deployment Profile

Removes the existing deployment profile.

The application publisher and developer or system administrator can access this API.

HTTP Method

DELETE

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-profile/DeploymentProfileID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-profile/1001`

Response

```

{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Successfully deleted Deployment Profile.",
      "messageKey": "delete.msg",
      "property": null
    }
  ]
}

```


REST APIs for Deployment

You can view a list of application deployments and the deployment status of an application deployment, or retrieve node details of a deployment.

Get Deployments

Retrieves a paginated list of application deployments.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment?page=Page&page-size=PageSize`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment?page=0&page-size=1`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 5,
  "results": [
    {
      "id": "6",
      "lockVersion": 5,
      "name": "appd-Clustered Dukes Bank App-2.1.0-admin-6-b452d90c-b72e-4737-8f45-3c7540cf932c",
      "description": null,
      "lastUpdated": 1378856459664,
      "lastUpdateUser": "SYSTEM",
      "created": 1378856410279,
      "createUser": "admin",
      "deploymentUri": "https://192.0.2.255/api/vApp/vapp-cabdfca3-108d-4571-b900-bce6d5e98071",
      "stateType": "DEPLOYMENT_ACTIVE",
      "statusMessage": "Deployment Success",
    }
  ]
}
```

```

    "lastDeploymentProfileRef": {
      "uri": "/darwin/api/2.0/deployment-profile/12",
      "id": "12",
      "name": "DP"
    },
    "applicationVersionRef": {
      "uri": "/darwin/api/2.0/application-version/60070",
      "id": "60070",
      "name": "Clustered Dukes Bank App v2.1.0"
    },
    "deploymentTaskCount": 1
  }
]
}
}

```

Get Deployment Details

Retrieves an application deployment status based on the deployment ID.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment/DeploymentID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment/5`

Response

```

{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "6",
    "lockVersion": 5,
    "name": "appd-Clustered Dukes Bank App-2.1.0-admin-6-b452d90c-b72e-4737-8f45-3c7540cf932c",
    "description": null,
    "lastUpdated": 1378856459664,
    "lastUpdateUser": "SYSTEM",
    "created": 1378856410279,
    "createUser": "admin",
    "deploymentUri": " https://192.0.2.255/api/vApp/vapp-cabdfca3-108d-4571-b900-bce6d5e98071",
    "stateType": "DEPLOYMENT_ACTIVE",
    "statusMessage": "Deployment Success",
    "lastDeploymentProfileRef": {
      "uri": "/darwin/api/2.0/deployment-profile/12",
      "id": "12",
      "name": "DP"
    }
  }
}

```

```
    },  
    "applicationVersionRef": {  
      "uri": "/darwin/api/2.0/application-version/60070",  
      "id": "60070",  
      "name": "Clustered Dukes Bank App v2.1.0"  
    },  
    "deploymentTaskCount": 1  
  }  
}
```


REST APIs for Scheduling a Deployment

17

You can specify the deployment profile ID and application properties to begin a deployment process. Provide a deployment ID to view a list of the available properties that you can configure for a deployment.

Get Scheduled Deployment Task

Retrieves the scheduled deployment task.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-task/DeploymentTaskID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-task/10`

Response

```
{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "10",
    "lockVersion": 63,
    "name": null,
    "description": null,
    "lastUpdated": 1378856459660,
    "lastUpdateUser": "SYSTEM",
    "created": 1378856410491,
    "createUser": "admin",
    "scheduled": 1378856408373,
    "startTime": 1378856417820,
    "endTime": 1378856459660,
    "runId": "6",
    "updateType": null,
  }
}
```

```

"stateType": "TASK_SUCCESS",
"taskType": "PROVISIONING_TASK",
"messages": [
  "Deployment completed successfully."
],
"runStateType": "COMPLETED",
"deploymentRef": {
  "uri": "/darwin/api/2.0/deployment/6",
  "id": "6",
  "name": "appd-Clustered Dukes Bank App-2.1.0-admin-6-b452d90c-b72e-4737-8f45-3c7540cf932c"
},
"deploymentNodes": [
  {
    "id": "16",
    "lockVersion": 0,
    "deploymentNodeInstances": [
      {
        "id": "16",
        "lockVersion": 0,
        "name": "load_balancer",
        "description": null,
        "lastUpdated": null,
        "lastUpdateUser": null,
        "created": null,
        "createUser": null,
        "runStateType": "VMSTARTED",
        "instanceIndex": -1,
        "hostname": "load-b-NINZZ3FG",
        "nodeInstanceUri": " https://192.0.2.255/api/vApp/vm-8da6b54e-db75-484b-ae61-
aa0cc7b4b735",
        "queueName": "appd-agent-0289911e-f67b-4ab8-9e53-f02095ff48d3",
        "deprovisioned": false,
        "deploymentNodeTasks": [
          {
            "id": "82",
            "lockVersion": 10,
            "name": "agent_bootstrap",
            "description": null,
            "lastUpdated": 1378856440642,
            "lastUpdateUser": "SYSTEM",
            "created": 1378856418500,
            "createUser": "SYSTEM",
            "componentIdentifier": "agent_bootstrap",
            "nodeIdentifier": "load_balancer",
            "runStateType": "COMPLETED",
            "runPhaseType": "BOOTSTRAP",
            "startTime": 1378856433235,
            "endTime": 1378856440642,
            "elapsedTime": 7407,
            "inputProperties": [],
            "outputProperties": [],
            "logMessage": "processing input properties\nexecuting the script: [...] \n",
            "logDescription": "stdout and stderr log available on VM at [...]"
          }
        ],
        "logMessage": "processing input properties\nexecuting the script: [...] \n",
        "logDescription": "stdout and stderr log available on VM at [...]"
      }
    ]
  }
],
[...]
```



```

    ],
    "networkConnections": [
      {
        "id": "18",
        "lockVersion": 0,
        "nicName": "NIC0",
        "networkName": "ServiceNetwork",
        "ipAddress": "127.0.0.1",
        "ipAddressType": "ASSIGNED",
        "cloudNetworkName": "NetworkRight",
        "cloudNetworkUri": "
https://192.0.2.255/api/network/94978447-182e-4153-893f-9005cdc133c5 ",
        "macAddress": ""
      },
      [...]
    ],
    "disks": []
  }
]
},
[...],
]
}
}

```

Get Deployment Task List

Retrieves deployment tasks of a specified deployment that you can specify for a deployment when a deployment profile ID is provided.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment/DeploymentID/deployment-task`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment/6/deployment-task`

Response

```

{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "10",
    "lockVersion": 63,
    "name": null,
    "description": null,
    "lastUpdated": 1378856459660,
  }
}

```

```

    "lastUpdateUser": "SYSTEM",
    "created": 1378856410491,
    "createUser": "admin",
    "scheduled": 1378856408373,
    "startTime": 1378856417820,
    "endTime": 1378856459660,
    "runId": "6",
    "updateType": null,
    "stateType": "TASK_SUCCESS",
    "taskType": "PROVISIONING_TASK",
    "messages": [
      "Deployment completed successfully."
    ],
    "runStateType": "COMPLETED",
    "deploymentRef": {
      "uri": "/darwin/api/2.0/deployment/6",
      "id": "6",
      "name": "appd-Clustered Dukes Bank App-2.1.0-admin-6-b452d90c-b72e-4737-8f45-3c7540cf932c"
    },
    "deploymentNodes": [
      {
        "id": "16",
        "lockVersion": 0,
        "deploymentNodeInstances": [
          {
            "id": "16",
            "lockVersion": 0,
            "name": "load_balancer",
            "description": null,
            "lastUpdated": null,
            "lastUpdateUser": null,
            "created": null,
            "createUser": null,
            "runStateType": "VMSTARTED",
            "instanceIndex": -1,
            "hostname": "load-b-NINZZ3FG",
            "nodeInstanceUri": " https://192.0.2.255/api/vApp/vm-8da6b54e-db75-484b-ae61-aa0cc7b4b735",
            "queueName": "appd-agent-0289911e-f67b-4ab8-9e53-f02095ff48d3",
            "deprovisioned": false,
            "deploymentNodeTasks": [
              {
                "id": "82",
                "lockVersion": 10,
                "name": "agent_bootstrap",
                "description": null,
                "lastUpdated": 1378856440642,
                "lastUpdateUser": "SYSTEM",
                "created": 1378856418500,
                "createUser": "SYSTEM",
                "componentIdentifier": "agent_bootstrap",
                "nodeIdentifier": "load_balancer",
                "runStateType": "COMPLETED",
                "runPhaseType": "BOOTSTRAP",
                "startTime": 1378856433235,

```

```

        "endTime": 1378856440642,
        "elapsedTime": 7407,
        "inputProperties": [],
        "outputProperties": [],
        "logMessage": "processing input properties\nexecuting the script: [...]\n",
        "logDescription": "stdout and stderr log available on VM at [...]"
    },
    [...]
],
"networkConnections": [
    {
        "id": "18",
        "lockVersion": 0,
        "nicName": "NIC0",
        "networkName": "ServiceNetwork",
        "ipAddress": "127.0.0.1",
        "ipAddressType": "ASSIGNED",
        "cloudNetworkName": "NetworkRight",
        "cloudNetworkUri": "
https://192.0.2.255/api/network/94978447-182e-4153-893f-9005cdc133c5 ",
        "macAddress": ""
    },
    [...]
],
"disks": []
}
]
},
[...
]
}
}

```

Get Failed Deployment Tasks

Retrieves the last failed deployment tasks for a deployment when a deployment task ID is provided.

All of the Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment/DeploymentID/failed-deployment-task`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment/5/failed-deployment-task`

Response

```
{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "9",
    "lockVersion": 43,
    "name": null,
    "description": null,
    "lastUpdated": 1378856464867,
    "lastUpdateUser": "SYSTEM",
    "created": 1378855370104,
    "createUser": "admin",
    "scheduled": 1378855369244,
    "startTime": 1378855376879,
    "endTime": 1378856464867,
    "runId": "5",
    "updateType": null,
    "stateType": "TASK_FAILED",
    "taskType": "PROVISIONING_TASK",
    "messages": [
      "Run failed due to failure of task (load_balancer, agent_bootstrap). Agent logs are on the
node load_balancer in logs directory under /opt/vmware-appdirector/agent."
    ],
    "runStateType": "FAILED",
    "deploymentRef": {
      "uri": "/darwin/api/2.0/deployment/5",
      "id": "5",
      "name": "appd-Clustered Dukes Bank App-2.1.0-admin-5-bc7d2134-813d-491d-908b-3ab97aa9ab39"
    }
  },
  [...]
}
```

Schedule a Deployment

Starts a deployment when a deployment profile ID and required application properties are provided. Returns the deployment task ID.

You can override the value of one or more node properties from within a request by specifying a node property key/value pair where the key name is **Hostname**, **vCPU**, **ClusterSize**, or **Memory(MB)**, and the value is the override value you want to use. See the following Request body for an example of a node property key/value pair.

The application publisher and developer can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-profile/DeploymentProfileID/action/deploy`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment-profile/2/action/deploy`

Request

```
{
  "node": [
    {
      "name": "Database",
      "nodeComponent": [
        {
          "name": "SQL_Server_2008",
          "property": [
            {
              "key": "INSTANCENAME",
              "value": "db100"
            }
          ]
        }
      ]
    }
  ]
}
```

Response

```
{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Deployment scheduled successfully.",
      "messageKey": "deployment.scheduled.msg",
      "property": null
    }
  ],
  "result": {
    "id": "16",
    "lockVersion": 1,
    "name": null,
    "description": null,
    "lastUpdated": 1379024432475,
    "lastUpdateUser": "admin",
    "created": 1379024432472,
    "createUser": "admin",
    "scheduled": 1379024432336,
    "startTime": null,
    "endTime": null,
    "runId": null,
    "updateType": null,
    "stateType": "TASK_SCHEDULED",
    "taskType": "PROVISIONING_TASK",
    "messages": [],
    "runStateType": "NOT_STARTED",
    "deploymentRef": {
```

```
    "uri": "/darwin/api/2.0/deployment/10",  
    "id": "10",  
    "name": "appd-Clustered DotShoppingCart-1.0.0-admin-10-8f551d93-1cb1-4b47-854a-  
f65595177f41"  
  },  
  "deploymentNodes": []  
}  
}
```

REST APIs for Publishing Deployment Profiles

18

You can publish and unpublish deployment profiles of an application to the VMware vRealize Automation service catalog.

Publish Deployment Profiles

Publishes a deployment profile of an application to the VMware vRealize Automation service catalog.

The Application Deployer can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/vcac-catalog-publish`

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/vcac-catalog-publish`

Request

```
{
  "name": "DUKE'S BANK DP vCAC - IT",
  "description": "to ITests-vCAC-cam-appdvcac DE on cam-appdvcac CP.",
  "itemId": "325",
  "itemType": "DEPLOYMENT_PROFILE"
}
```

Response

```
{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Successfully published deployment profile 'ac' to vCAC.",
      "messageKey": "csp.catalogitem.deployment_profile.publish.success.msg",
      "property": null
    }
  ],
}
```

```

    "result":{
      "id":"appd-dp-325",
      "name":"DUKE'S BANK DP vCAC - IT",
      "description":"to ITests-vCAC-cam-appdvcac DE on cam-appdvcac CP.\n[Published: Wed Sep 11
12:48:46 PDT 2013]",
      "status":"PUBLISHED",
      "type":"DEPLOYMENT_PROFILE",
      "catalogItemId":"test.appd.csp.DEPLOYMENT_PROFILE",
      "subtenantId":"2ee360e1-762e-4df9-8775-c26e3cf281d4"
    }
  }
}

```

Get Published Deployment Profile Details

Verifies that the status of the deployment profile indicates Published in the VMware vRealize Automation service catalog based on the deployment profile ID. If the deployment profile is not published, the status indicates Not Published.

The Application Deployer can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/vcac-catalog-item-status/DeploymentProfileID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/vcac-catalog-item-status/325`

Response

```

{
  "errors":false,
  "messageList":[
  ],
  "result":{
    "id":"appd-dp-325",
    "name":"ac",
    "description":"ac-desc",
    "status":"RETIRED",
    "type":"DEPLOYMENT_PROFILE",
    "catalogItemId":null,
    "subtenantId":null
  }
}

```

Unpublish Deployment Profiles

Removes a published deployment profile of an application from the VMware vRealize Automation service catalog.

The Application Deployer can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/vcac-catalog-unpublish`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/vcac-catalog-unpublish`

Request

```
{
  "name": "DUKE'S BANK DP vCAC - IT",
  "description": "to ITests-vCAC-cam-appdvCAC DE on cam-appdvCAC CP.",
  "itemId": "325",
  "itemType": "DEPLOYMENT_PROFILE"
}
```

Response

```
{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Successfully unpublished catalog item from vCAC.",
      "messageKey": "csp.catalogitem.unpublish.success.msg",
      "property": null
    }
  ]
}
```


REST APIs for Update Profile

You can view update profiles and update profile types of a deployed application. You can also use the APIs to create and delete update profiles, override update profile property values, schedule run custom task scale-in and scale-out update process, view the last failed update process, and rollback an update process.

Update Profiles

Retrieves a paginated list of update profiles for a deployment.

All Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile?deployment-id=DeploymentID&page=Page&page-size=PageSize`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile?deployment-id=19&page=0&page-size=10`

Response

```
{
  "errors": false,
  "messageList": [],
  "count": 2,
  "results": [
    {
      "updateProfileRefs": [
        {
          "updateProfileRef": {
            "id": "19",
            "name": "increase8",
            "uri": "/darwin/api/2.0/update-profile/19"
          },
          "updateType": "SCALE_OUT"
        }
      ]
    }
  ]
}
```

```

    },
    {
      "updateProfileRef": {
        "id": "21",
        "name": "scalein1",
        "uri": "/darwin/api/2.0/update-profile/21"
      },
      "updateType": "SCALE_IN"
    }
  ]
}
]
}

```

Update Profile by Update Type

Retrieves a paginated list of update profiles for a deployment and update type.

All Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile?deployment-id=DeploymentID&update-type=UpdateType&page=Page&page-size=PageSize`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile?deployment-id=19&update-type=SCALE_OUT&page=0&page-size=10`

Response

```

{
  "errors": false,
  "messageList": [],
  "count": 1,
  "results": [
    {
      "updateProfileRefs": [
        {
          "updateProfileRef": {
            "id": "19",
            "name": "increase8",
            "uri": "/darwin/api/2.0/update-profile/19"
          },
          "update-type": "SCALE_OUT"
        }
      ]
    }
  ]
}

```

Update Profile ID

Retrieves an update profile for a deployment based on the provided update profile identification.

All Application Services roles can access this API.

HTTP Method

GET

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile/UpdateProfileID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile/2`

Response

```
{
  "errors": false,
  "messageList": [],
  "result": {
    "id": "19",
    "lockVersion": 1,
    "name": "increase8",
    "description": "increase8 Description",
    "created": "2013-08-01T17:22:34+05:30",
    "lastUpdated": "2013-08-01T17:22:34+05:30",
    "lastUpdateUser": "admin",
    "createUser": "admin",
    "deploymentRef": {
      "id": "8",
      "name": "appd-Linux Smoke 01-1.0.0-admin-8-3ab14c68-5ac1-4357-b403-c04603c12b14",
      "uri": "/darwin/api/2.0/deployment/8"
    },
    "updateType": "SCALE_OUT",
    "configUpdateProperties": null,
    "scaleoutPropertiesInfo": {
      "clusterNode": [
        {
          "name": "Clustered_Producer",
          "currentClusterSize": 3,
          "nodeInstanceNames": [
            "SpringTravel_0_",
            "SpringTravel_1_",
            "SpringTravel_2_"
          ]
        }
      ]
    }
  }
}
```

Create an Update Profile

Creates an update profile based on the name provided in the request section and schedules its execution. If an update profile name is not provided, the designated name appears in the response section with the associated identification. If the update profile name already exists, an error message appears.

The application publisher and deployer can access this API.

- If the operation element is not provided then the update-profile request is treated as (create and schedule) or (update and schedule) depending on the provided REST URL (i.e. /2.0/update-profile or /2.0/update-profile/<update-profile-id>).
- If the operation element is provided with any one of the CREATE_ONLY OR UPDATE_ONLY values, then either profile creation or profile updation will be carried out.
- If update profile is created in Application Services UI, and user wants to schedule it through rest API, then provide the empty payload on the URL /2.0/update-profile/<update-profile-id>.

The operation field is omitted from the JSON request. The ROLLBACK, CREATE_ONLY, and UPDATE_ONLY values are supported.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile`

Request

```
{
  "deploymentId": 2,
  "operation" : " ROLLBACK ",
  "updateType": "SCALE_OUT",
  "name": "scaleOutTest",
  "description" : "scaleOutTest Desc",
  "scaleoutProperties": {
    "clusterNode": [
      {
        "name": "SpringTravel",
        "scaleOutBy": 1
      }
    ]
  }
}
```

Response

```
{
  "errors": false,
  "message-list": [
    {
      "message-type": "INFO",
      "message": "Deployment update scheduled successfully.",
      "message-key": "deployment.update.scheduled.msg"
    }
  ]
  "result": {
    "id": "1",
    "lockVersion": 0,
    "name": "scaleOutTest",
    "description" : "scaleOutTest Desc",
    "deploymentTaskRef" : {
      "uri": "/darwin/api/2.0/deployment-task/76",
      "id": "76",
      "name": "appd-Spring Travel-1.0.0-admin-14-759a3d26-0ad5-4e58-a3d2-6f34214e3637"
    }
  }
}
```

Override an Update Profile

Overrides property values in an update profile based on the provided update profile identification and schedules its execution. The request body contains the changes to apply to the existing update profile with the given ID.

The application publisher and deployer can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile/UpdateProfileID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile/2`

Request

```
{
  "lockVersion": 1,
  "updateType": "SCALE_OUT",
  "scaleoutProperties": {
    "clusterNode": [
      {
        "name": "SpringTravel",
        "scaleOutBy": 1
      }
    ]
  }
}
```

```

    }
  ]
}
}

```

Response

```

{
  "errors": false,
  "message-list": [
    {
      "message-type": "INFO",
      "message": "Deployment update scheduled successfully.",
      "message-key": "deployment.update.scheduled.msg"
    }
  ]
  "result": {
    "id": "1",
    "lockVersion": 0,
    "name": "scaleOutTest",
    "description" : "scaleOutTest Desc",
    "deploymentTaskRef": {
      "uri": "/darwin/api/2.0/deployment-task/76",
      "id": "76",
      "name": "appd-Spring Travel-1.0.0-admin-14-759a3d26-0ad5-4e58-a3d2-6f34214e3637"
    }
  }
}

```

Update and Schedule a Scale In Deployment

Schedules an update process to scale in a deployed application based on the modified cluster size of a node in the update profile.

The application publisher and deployer can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile/UpdateProfileID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile/15`

Request

```

{
  "lockVersion": 1,
  "updateType": "SCALE_IN",
  "name": "ExternalScaleInTest1",
  "description": "ExternalScaleInTest1",

```



```

"scaleInProperties": {
  "clusterNode": [
    {
      "name": "SpringTravel",
      "nodeInstanceNames": [
        "SpringTravel_4_",
        "SpringTravel_2_"
      ],
      "scaleInBy": 2
    }
  ]
}

```

Response

```

{
  "errors": false,
  "message-list": [
    {
      "message-type": "INFO",
      "message": "Deployment update scheduled successfully.",
      "message-key": "deployment.update.scheduled.msg"
    }
  ]
  "result": {
    "id": "15",
    "lockVersion": 1,
    "name": "ExternalScaleInTest1",
    "description": "ExternalScaleInTest1 description",
    "deploymentTaskRef": {
      "uri": "/darwin/api/2.0/deployment-task/76",
      "id": "76",
      "name": "appd-Spring Travel-1.0.0-admin-14-759a3d26-0ad5-4e58-a3d2-6f34214e3637"
    }
  }
}

```

Delete an Update Profile

Deletes an update profile based on the provided identification.

The application publisher and deployer can access this API.

HTTP Method

DELETE

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile/UpdateProfileID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile/2
```

Response

```
{
  "errors": false,
  "message-list": [
    {
      "message-type": "INFO",
      "message": "Successfully deleted UpdateProfile.",
      "message-key": "delete.msg"
    }
  ]
}
```

Get Last Failed Update Process

Retrieves the last failed update process.

The application publisher and deployer can access this API.

HTTP Method

GET

URI Syntax

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment/DeploymentID/failed-deployment-task
```

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

```
https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment/1/failed-deployment-task
```

Response

If a last failed deployment task is not available, the following response appears.

```
{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "No latest failed update deployment found.",
      "messageKey":
"valid.failed.updateProfile.deployment.not.found",
    }
  ],
  "result": null
}
```

Rollback a Last Update Process

Performs a rollback on a failed or last successful update process based on the provided deployment identification.

The application publisher and deployer can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile/`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile`

Request

```
{
  "deployment-id": 2,
  "operation": "ROLLBACK"
}
```

Response

```
{
  "errors": false,
  "message-list": [
    {
      "message-type": "INFO",
      "message": "Deployment rollback scheduled successfully.",
      "message-key": "deployment.rollback.scheduled.msg"
    }
  ],
  "result": {
    "deployment-task-ref": {
      "@type": "Reference",
      "id": "8",
      "uri": "/darwin/api/2.0/deployment-task/8"
    }
  }
}
```

Create and Schedule a Run Custom Task Update Profile

Creates and schedules the update to run the arbitrary custom tasks on an existing deployment.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Request

```
{
  "deploymentId": 10,
  "updateType": "RUN_CUSTOM_TASK",
  "name": "RunCustomTaskTest",
  "description": "Run Custom Task Test",
  "customTaskProperties": [
    {
      "name": "RHEL61_64bit_v1.0",
      "customTask": [
        {
          "taskVersionId": "430",
          "name": "Run_SQL_Script_for_Oracle_Database",
          "property": [
            {
              "key": "sql_runas_username",
              "value": "system",
              "description": "The Oracle username to run SQL script.",
              "secured": false,
              "expression": false
            },
            {
              "key": "sql_runas_password",
              "value": "password",
              "description": "The password of Oracle username.",
              "secured": true,
              "expression": false
            },
            {
              "key": "sql_script",
              "value": "select * from dual;",
              "description": "The SQL script to be run on local Oracle server.",
              "secured": false,
              "expression": false
            }
          ]
        }
      ]
    }
  ]
}
```

Response

```
{
  "errors": false,
  "message-list": [
    {

```

```

        "message-type": "INFO",
        "message": "Deployment update scheduled successfully.",
        "message-key": "deployment.update.scheduled.msg",
        "property": null
    }
]
"result": {
    "id": "13",
    "lockVersion": 1,
    "name": "RunCustomTaskTest",
    "description" : "Run Custom Task Test",
    "deploymentTaskRef" : {
        "uri": "/darwin/api/2.0/deployment-task/21",
        "id": "21",
        "name": "appd-oracle-test-1.0.0-Administrator-10-f2361c65-e03a-4f90-bd88-03bda1bc3434"
    }
}
}
}

```

Update and Schedule a Run Custom Task Update Profile

Updates and schedules an existing update to run the arbitrary custom tasks on an existing deployment.

HTTP Method

POST

URI Syntax

<https://ApplicationServicesServerIP:8443/darwin/api/2.0/update-profile/UpdateProfileID>

Request

```

{
    "lockVersion": 1,
    "updateType": "RUN_CUSTOM_TASK",
    "customTaskProperties": [
        {
            "name": "RHEL61_64bit_v1.0",
            "customTask": [
                {
                    "taskVersionId": "430",
                    "name": "Run_SQL_Script_for_Oracle_Database",
                    "property": [
                        {
                            "key": "sql_script",
                            "value": "select sysdate from dual;",
                            "description": "The SQL script to be run on local Oracle server.",
                            "secured": false,
                            "expression": false
                        }
                    ]
                }
            ]
        }
    ]
}

```

```

    ]
  }
]
}

```

Response

```

{
  "errors": false,
  "message-list": [
    {
      "message-type": "INFO",
      "message": "Deployment update scheduled successfully.",
      "message-key": "deployment.update.scheduled.msg",
      "property": null
    }
  ]
  "result": {
    "id": "13",
    "lockVersion": 2,
    "name": "RunCustomTaskTest",
    "description" : "Run Custom Task Test",
    "deploymentTaskRef" : {
      "uri": "/darwin/api/2.0/deployment-task/22",
      "id": "22",
      "name": "appd-oracle-test-1.0.0-Administrator-10-f2361c65-e03a-4f90-bd88-03bda1bc3434"
    }
  }
}

```

REST APIs for Managing Deployments

20

You can tear down the associated virtual machines from the cloud environment. Delete the record of a deployment from Application Services.

Tear Down Deployment

Removes provisioning for the vCloud Director vApp and associated virtual machines, vCloud Automation Center virtual machine and the associated virtual machine in vCenter Server, or Amazon EC2 instances and deletes them from the cloud environment. Provides task ID after the teardown process is complete.

The application publisher and developer can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment/DeploymentID/teardown`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment/6/teardown`

Request

The request body does not contain input for the teardown process.

Response

```
{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Deployment teardown scheduled successfully.",
      "messageKey": "deployment.teardown.scheduled.msg",
      "property": null
    }
  ],
  "result": {
```

```

    "id": "11",
    "lockVersion": 1,
    "name": null,
    "description": null,
    "lastUpdated": 1378935530429,
    "lastUpdateUser": "admin",
    "created": 1378935530425,
    "createUser": "admin",
    "scheduled": 1378935530036,
    "startTime": null,
    "endTime": null,
    "runId": null,
    "updateType": null,
    "stateType": "TASK_SCHEDULED",
    "taskType": "TEARDOWN_TASK",
    "messages": [],
    "runStateType": null,
    "deploymentRef": {
      "uri": "/darwin/api/2.0/deployment/6",
      "id": "6",
      "name": "appd-Clustered Dukes Bank App-2.1.0-admin-6-b452d90c-b72e-4737-8f45-3c7540cf932c"
    },
    "deploymentNodes": []
  }
}

```

Delete Deployment

Deletes the details of a particular deployment from Application Services.

The application publisher and developer can access this API.

HTTP Method

DELETE

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment/DeploymentID`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/deployment/5`

Response

```

{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Successfully deleted Deployment.",
      "messageKey": "delete.msg",
    }
  ]
}

```



```
    "property": null  
  }  
]  
}
```


REST APIs to Export and Import Application Packages

21

Export an application, service, or task package to import to a different Application Services appliance.

You can also export a package using the Application Services CLI. See the *Using Application Services* guide.

Packages that you export using CLI are encoded in the plain text package file and cannot be imported using REST APIs. To import these packages using REST APIs, use an external tool to convert the plain text package file to a Base64 encoded package.

To import packages using REST APIs that were previously exported with the CLI, use an external tool to convert the plain text package file to a Base64 encoded package.

Export an Application, Service, or Task Version

Exports a list of APPLICATION_VERSION, SERVICE_VERSION, or SCRIPT_TASK_VERSION information to import to another Application Services appliance. The output is Base64 encoded.

The application architect and application catalog administrator roles combined can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/exportimport/export`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/exportimport/export`

Request

Table 21-1. Description for Request Message

Request Message	Description
stripSecuredProperties	Specifies whether to remove the secure properties.
exportRequestParameter	Specifies the object to export.
exportRequestParameter.type	Specifies the types of available export parameters. The valid export parameters are, APPLICATION_VERSION, SERVICE_VERSION, and SCRIPT_TASK_VERSION.

```
{
  "stripSecuredProperties":true,
  "exportRequestParameter":[
    {
      "name":"dukesbank",
      "major":1,
      "minor":0,
      "micro":0,
      "qualifier": "",
      "type":"APPLICATION_VERSION"
    }
  ]
}
```

Response

Table 21-2. Description for Response Messages

Response Message	Description
result	Shows the Base64 encoded object xml.

```
{
  "errors":false,
  "messageList":[
  ],
  "result":"UEQ5NGJXd2dkbVZ5YzJsdm..."
}
```

Import an Application, Service, or Task Version

Imports a package that includes APPLICATION_VERSION, SERVICE_VERSION, or SCRIPT_TASK_VERSION, previously exported from a different Application Services appliance. The input must be Base64 encoded.

The application architect and application catalog administrator roles combined can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/exportimport/import`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/exportimport/import`

Request

Table 21-3. Description for Request Message

Request Message	Description
exportPackage	Indicates the Base64 encoded object xml.
conflictResolutionAction	Indicates the options for importing the object. The valid import options are, CHECK, SKIP, OVERWRITE, and IMPORTASNEW. NOTE If you use the OVERWRITE option, all of the related services and logical templates are overwritten. This option also affects other applications that use those services and logical templates.
importAsNewSuffix	Indicates the suffix to add to the object name. Adding a suffix to the object when importing avoids conflict in the repository.

```
{
  "exportPackage": "UEQ5NGJXd2dkbVZ5YzJsdm...",
  "conflictResolutionAction": "IMPORTASNEW",
  "importAsNewSuffix": "John-test"
}
```

Response

```
{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Application saved successfully.",
      "messageKey": null,
      "property": null
    },
    {
      "messageType": "INFO",
      "message": "CentOS56 64bit_John-test:1.0.0",
      "messageKey": "VM_TEMPLATE_VERSION_CREATED",
      "property": null
    },
    {
      "messageType": "INFO",
      "message": "CentOS64_John-test:5.6.0",
      "messageKey": "OS_VERSION_CREATED",
      "property": null
    },
    {
      "messageType": "INFO",
      "message": "Logical VM template saved successfully.",
      "messageKey": null,
      "property": null
    },
    {
      "messageType": "INFO",
```

```
    "message": "OS Templates_John-test-SERVER_TYPE",
    "messageKey": "META_TAG_CREATED",
    "property": null
  },
  {
    "messageType": "INFO",
    "message": "Tag saved successfully",
    "messageKey": null,
    "property": null
  },
  {
    "messageType": "INFO",
    "message": "operatingSystem.save.msg",
    "messageKey": null,
    "property": null
  },
  {
    "messageType": "INFO",
    "message": "John_John-test:1.0.0",
    "messageKey": "APPLICATION_VERSION_CREATED",
    "property": null
  },
  {
    "messageType": "INFO",
    "message": "Import succeeded.",
    "messageKey": "IMPORT_SUCCESS",
    "property": null
  }
]
}
```

REST API for Notification Registration

22

A notification is a message that is sent from the Application Services server when an application deployment, update, or teardown process is scheduled, started, and finished. The message contains details about the deployment type, what triggered the deployment, the deployment start time, the deployment end time, tenant name, business group name, and the deployment status.

With a notification, you can monitor the Application Services deployment task events and customize a task when an event begins. For example, you can send a message to notify a deployer that the application deployment task is complete.

You can also use a notification to create a monitoring system to monitor and report the deployment status.

Notification occurs across all the tenants and cannot be done for a particular tenant. So a message is sent if a deployment occurs in any tenant.

Notification Registration

Receives notifications from the Application Services server. The notification registration includes the following processes.

- Sends a Base64 encoded public key to the server. This process causes the server to allocate the use of a public key to create a signed certification. The server also allocates a queue on the RabbitMQ server. The response output contains two Base64 encoded X.509 certificates and RabbitMQ connection information.
- Uses the client certificate as the client certificate for RabbitMQ communication.
- Uses the root certificate as the authorized root for RabbitMQ communication.

Only a system administrator in Application Services can access this API.

HTTP Method

POST

URI Syntax

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/notification/register`

You must type the URI syntax because the copy and paste operation removes formatting from the text.

Example URI syntax:

`https://ApplicationServicesServerIP:8443/darwin/api/2.0/notification/register`

Request

Table 22-1. Description for Request Message

Request Message	Description
clientPublicKey	Specifies the Base64 encoded public key to register queue.

```
{
  "clientPublicKey" : "MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAv8Mv3MiXRNxiImFntlmd1Qki0fREcf1As
  UV95fwUt8NH8Ke
  +hi2TqbLU8hhHD6tP0fTEhSs7yBha03148S6WrskAhzqD3SW7HaBpW01Dpg5oB/eIfVU2nmFY7s6D3DJ9s20YcjCcyP
  +ojXGGRYffsqNDj003o4/YXWq6n8ad5hfLmveAprs4TGi18jwn7EuH7brtSb5fMyPHpmeYQp
  +clqPLmKOC0S0E0/fhoSHmVafhS23cv521b8SkeU8WVHXI8n0FwPZUJGG+PKxFAcf/8wZOV7XHkiIiV++/CB79jC/+J1Cd
  +yRt4Er25QnCF+PnLk13/0bd95vdPOYNZNhGuwIDAQAB"}
}
```

Response

Table 22-2. Description for Response Messages

Response Message	Description
amqpUsername	Shows the user login for RabbitMq.
amqpPassword	Shows the password for RabbitMq.
amqpQueueName	Shows the queue name. After disconnecting from the RabbitMq server, this queue is deleted and a queue is created for a new call.
amqpHostname	Shows the RabbitMq server IP or host name.
clientCert	Shows the certificate that is created based on the public key sent with the REST API call.
rootCert	Shows the certificate that is created based on the RabbitMq server key.

```
{
  "errors": false,
  "messageList": [

  ],
  "amqpUsername": "appd_notifier",
  "amqpPassword": "darwin",
  "amqpQueueName": "appd.notification-b9507143-0fe9-42f5-b16d-a798afa01827",
  "amqpHostname": "192.0.2.255",
  "amqpPort": 5671,
  "clientCert": "TULJRghUQ0NBbtJnQXdJQkFnSUdBG15cEp6ZU1BMEdDU3FHU0liM0RRRUJCUVVBtUzJelE1EQWVCZ05W
  QkFNTUyWRndjr3hwwTJGMGFXXVJRvJwY21WamR
  HOXlJRu5CTVIwd0d3WURWUvFMREJSQmNIQnNhV05oZEsdmJpQkVhWEpsWTNSdmNqRVBNQTBHQTFVRUNnd0dWazEzWWhKbE1C
  NFhEVEV5TURreE1UQXdNRFEXtmxvWERUTXlNRgt
  3TmPBd01EUTF0bG93Y1RFL01EMEdBMVVFQXd3MllyQndaQzV1YjNScFptbGpZWfJwYjI0dFlqazFNRGN4TkrNdE1HwmxPUzAw
  Tw1ZMUxXSXh0bVF0WVRjNU9HRm1ZVEF4T0RJM01
  SMHdHd1lEVlFRTERCUKjJSEJzYVd0aGRhbHZiaUJFYVhKbFkzUnZjakVQUtEwR0ExVUVDZ3dHVmsxM11YSmxNSU1CSWpBTKJn
  a3Foa2lHOXcwQkFRRUZBU9DQVE4QU1JSUJDZ0t
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  U3M3eUJoYTAzMTQ4UzZXcnRqWh6cUQzU1c3SGF
  CcFwMURwZzVvQi9lSWZWTJubUZZN3M2RDNESj1zZmJBY2pDY3lQK29qWEdHULmZnNXTkrRqTzAzBzQvWWhXctZuOGFkNWhm
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  NeVBIcG1lWfWk2NscVBMBUtPQzBTMEVPL2Zob1NiBvZhZmhTMjNjdjUyMwI4U2t1VThXVkhYSThuMEZ3UFpVSkdHK1BLLeZB
  Y2YvOHdaT1Y3WEhLSWhpaVYrKy9DQjc5akMvK0o
  xQ2QreVJ0NEVYmJvRbkNGK1BuTGsXMy8wYmQ5NXZkUE9ZTlP0aEd1d0lEQVFBQm8wSXdRREFKQmdOVkhRNEVGZ1FVe1VPT0ZL
}
```



```

Z2h4WkE2NWJ2aUtCcnJ0dmpmdG0wd0h3WURWUjB
qQkJnd0ZvQVVXSE9ubE10TWQ2bEc2REIrcUR2SzRkcLk0a0V3RFFZSkvtWkLodmNOQVFFRkJRQRnZ0VCQUJrMlJiZfJiNWU1
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    "rootCert": "TULJRFZqQNBajZnQXdJQkFnSudBvFRFNwc5M01BMEdu3FHU0lIm0RRRUJCUVVBtUZJeeLEQWVCZ05WQk
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XlJRUSCTVlWd0d3WURWUVFMREJSQmNIQnNhV05oZEdsdmJpQkVhWEpsWNTSdmNqRVBNQTBHQTFVRUNnd0dWazEzWVhKbE1CNF
hEVEV5TURfD09USXp0VfV6T0ZvWERUTX1NREV3T
kRJek5UVXpPRm93VWpFZ01CNEdBmVfQXd3WFFYQndiR2xqWVhScGIyNgdSR2x5Wld0MGIZsWdRMEV4SFRBYkJnTLZCQXNNRk
VGd2NHHeHBZMkYwYVc5dU1FUUnBjbVZqZec5eU1R0
HdEUVlEVlFRS0RBWldUWGRoY21Vd2dnRWlNQTBHQ1NxR1NjYjNEUUVcQVfVQUE0SUJEd0f3Z2dFS0FvSUJBUUNqYk00MXVFWG
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GZQWm1kbHhGZXRLSUlCNWn30DdTMUURqK5aewPHWVhJMWhweW10K0hmamZld0FEdE1mTzRMNFZiMVlPzIwT1E4NkN6dVlMQl
FSR2LYVhWeEdYQlFxV0LXRlZwYTFaY29rcmZ0d
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duVkk5aXJ4VzdNbEZ2cHk3an1DWm1xN2xNRVI4T
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h4aXFEZi9LULY1ZnJRMmxGRE5JUUhWQ09hbVNzb
VfoMElUc25yaGVsbVBIbjcwUzFUVHhsTmhsNEw2SzA3Tg=="
}

```

Notification Unregistration

Unregisters the notification that was registered by the previous REST API.

HTTP Method

POST

URI Syntax

<https://ApplicationServicesServerIP:8443/darwin/api/2.0/notification/unregister>

Request

```

{
  "amqpQueueName": "appd.notification-b9507143-0fe9-42f5-b16d-a798afa01827"
}

```

Note This request uses the same ID that was included in the register response from the previous REST API.

Response

```
{
  "errors": false,
  "messageList": [
    {
      "messageType": "INFO",
      "message": "Successfully Unregistered.",
      "messageKey": "notification.unregister.success",
      "property": null
    }
  ]
}
```

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