

Upgrading to vRealize Automation 6.2 or Later

vRealize Automation 6.2.5

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Upgrading to vRealize Automation 6.2 or Later

vRealize Automation 6.2 이상으로 업그레이드 tells you how to download and install updates to upgrade to the latest 6.2 release.

As used in this guide, vCloud Automation Center 6.1 includes vCloud Automation Center 6.1 and subsequent hot fixes.

NOTE vRealize Automation의 일부 특징과 기능은 버전에 따라 제공되지 않을 수 있습니다. 각 버전에 포함된 기능 세트를 비교하려면 <https://www.vmware.com/products/vrealize-automation/>를 참조하십시오.

Intended Audience

This information is intended for experienced Windows or Linux system administrators who are familiar with virtual machine technology and datacenter operations.

VMware Technical Publications Glossary

VMware Technical Publications provides a glossary of terms that might be unfamiliar to you. For definitions of terms as they are used in VMware technical documentation, go to <http://www.vmware.com/support/pubs>.

Updated Information

This *Upgrade to vRealize Automation 6.2 and Later* guide for vRealize Automation is updated with each release of the product or when necessary.

This table provides the update history of the guide.

Revision	Description
EN-001633-05	<ul style="list-style-type: none"> vRealize Automation 6.2.5 version of this guide. Added “After Upgrade, Services on the Services Tab of the vRealize Automation Appliance Management Console Do Not Display Properly,” on page 37
EN-001633-04	<ul style="list-style-type: none"> vRealize Automation 6.2.4 version of this guide.
EN-001633-03	<ul style="list-style-type: none"> vRealize Automation 6.2.3 version of this guide. Upgrading to 6.2.3 automatically enables participation in the Customer Experience Improvement Program. See “Install the Update on the vRealize Automation Appliance,” on page 24. Includes minor changes from previous revision.
EN-001633-02	<ul style="list-style-type: none"> Updated the supported Java versions for the database. See “Upgrade the Database,” on page 27. Updated the supported .NET version to 4.5.1 or later. Added information on upgrading to vCenter Platform Services Controller. See Chapter 6, “Upgrading to vCenter Platform Services Controller,” on page 19.
EN-001633-01	<ul style="list-style-type: none"> Document title is changed to reflect upgrade paths from vCloud Automation Center 6.1 and point releases of 6.2. Added link to information about supported upgrade paths in the vRealize Automation release notes, available on the VMware vRealize Automation Documentation landing page. Added instructions to check password timeout values before beginning an upgrade. See “Verify the Age of Root Passwords for Virtual Appliances,” on page 15. Added instructions to reconfigure the load balancer port number to support remote consoles in high-availability deployments. See “고가용성 배포를 위한 포트 구성,” on page 34. Added instructions to modify blueprints to enable the Connect to Remote Console Action for some upgrade scenarios. See “Enabling the Connect to Remote Console Action for Consumers,” on page 34.
EN-001633-00	Initial release.

vRealize Automation 6.2 이상으로 업그레이드

2

업그레이드는 정해진 순서대로 절차를 수행해야 하는 다단계 프로세스입니다. 시스템 다운타임을 최소화하고 원활하게 업그레이드하려면 제안된 프로세스를 따르십시오. 모든 제품 구성 요소를 동일한 버전으로 업그레이드해야 합니다.

참고 6.2부터 vCloud Automation Center는 vRealize Automation으로 브랜드가 변경되었습니다. 사용자 인터페이스와 서비스 이름만 변경되었습니다. vcac가 포함된 디렉토리 이름과 프로그램 이름에는 영향이 없습니다.

표에서 현재 설치된 버전을 찾은 후 오른쪽 문서에 나오는 단계를 따라 vRealize Automation 환경을 최신 릴리스로 증분 업그레이드하십시오. vCloud Automation Center 및 vRealize Automation의 모든 버전에 대한 설명서 링크는 <https://www.vmware.com/support/pubs/vcac-pubs.html>에서 찾을 수 있습니다.

표 2-1. 지원되는 업그레이드 경로

현재 설치된 버전	증분 업그레이드에 대한 설명서
vCloud Automation Center 6.0	업그레이드 수행 순서: <ul style="list-style-type: none">■ vCloud Automation Center 6.0에서 6.0.1로 업그레이드■ vCloud Automation Center 6.1로 업그레이드■ vRealize Automation 6.2 이상으로 업그레이드
vCloud Automation Center 6.0.1	업그레이드 수행 순서: <ul style="list-style-type: none">■ vCloud Automation Center 6.1로 업그레이드■ vRealize Automation 6.2 이상으로 업그레이드
vCloud Automation Center 6.1.x	vRealize Automation 6.2 이상으로 업그레이드
vRealize Automation 6.2.x	vRealize Automation 6.2 이상으로 업그레이드의 설명에 따라 최신 6.2.x 릴리스로 곧바로 업그레이드

Checklist for Upgrading vRealize Automation Components

3

When you perform an upgrade, you update all vRealize Automation components in this order: virtual appliances, IaaS databases, and IaaS services.

The Upgrade to vRealize Automation Checklist table provides a high-level overview of upgrade tasks.

Print out a copy of this checklist and use it to track your work as you complete the upgrade. Complete the tasks in the order in which they are given.

You must upgrade components in the prescribed order and upgrade all components. Using a different order can result in unexpected behavior after the upgrade or failure of the upgrade to complete.

For information on all supported upgrade paths, see the release notes for vRealize Automation, available on the [VMware vRealize Automation Documentation landing page](#).

Table 3-1. Upgrade to vRealize Automation Checklist

Task	Instructions	Notes
<input type="checkbox"/> Complete and verify all prerequisites for the upgrade.	See Chapter 4, "Prerequisites for Upgrading vRealize Automation," on page 13.	
<input type="checkbox"/> If you are upgrading a distributed deployment that uses a load balancer, shut down the vco-service on each vRealize Appliance.	See " 현재 배포에서 실행 중인 서비스 종료, " on page 16.	
<input type="checkbox"/> Shut down services on your IaaS Windows Servers.	See " IaaS Windows Server에서 vCloud Automation Center 서비스 종료, " on page 17.	
<input type="checkbox"/> Check for updates to the Identity Appliance.	See " Downloading Virtual Appliance Updates, " on page 17.	
<input type="checkbox"/> Install the 6.2 update on the Identity Appliance.	See " Install the Update on the Identity Appliance, " on page 23.	If you plan to use vSphere PSC as your SSO appliance, see Chapter 6, "Upgrading to vCenter Platform Services Controller," on page 19.
<input type="checkbox"/> Check for updates to the vRealize Appliance.	See " Downloading Virtual Appliance Updates, " on page 17.	
<input type="checkbox"/> Install the 6.2 update on each vRealize Appliance in your installation.	See " Install the Update on the vRealize Automation Appliance, " on page 24.	
<input type="checkbox"/> Update the IaaS database.	See " Upgrade the Database, " on page 27.	

Table 3-1. Upgrade to vRealize Automation Checklist (Continued)

Task	Instructions	Notes
<input type="checkbox"/> Download and install updates for IaaS.	See Chapter 8, “IaaS 서버 업그레이드,” on page 27.	
<input type="checkbox"/> (Optional) Apply vRealize Automation branding to 6.2	See “vRealize Automation 브랜딩 적용,” on page 33.	

Prerequisites for Upgrading vRealize Automation

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Before you run the upgrade, review the prerequisites.

System Configuration Requirements

Verify the following system requirements before you begin an upgrade.

- Verify that you are following a supported upgrade path. See the vRealize Automation release notes for a list of supported upgrade paths.
- Verify that all appliances and servers that are part of your deployment meet the system requirements for the version you are upgrading to. See the *vRealize Automation Support Matrix* on the VMware Web site at <https://www.vmware.com/support/pubs/vcac-pubs.html>.
- If you are using a vSphere SSO, verify that it is a supported version and at the correct patch level. See the *vRealize Automation 지원 매트릭스* for information about supported versions
- Consult the *VMware Product Interoperability Matrix* on the VMware Web site for information about compatibility with other VMware products.

General Prerequisites

Verify that the following prerequisites are finished before you begin an upgrade.

- Your source installation is fully installed and configured.
- Microsoft Distributed Transaction Coordinator (MSDTC) is enabled on all vRealize Automation and associated SQL servers. For instructions, see the VMware Knowledge Base article *Various tasks fail after upgrading or migrating to VMware vCloud Automation Center (vCAC) 6.1.x (2089503)* at <http://kb.vmware.com/kb/2089503>.
- You have backups for vRealize Appliance configuration files in the following directories for each appliance.
 - `/etc/vcac/`
 - `/etc/vco/`
 - `/etc/apache2/`
 - `/etc/rabbitmq/`
- You have backups for all databases.
- You have backups for any files you have customized, such as `DataCenterLocations.xml`.
- You have a snapshot of your virtual appliances and IaaS servers.
- You perform the upgrade at a time when the system is not in heavy use.

- You have followed the instructions in “IaaS Windows Server에서 vCloud Automation Center 서비스 종료,” on page 17.

Order of Upgrade for Integrations

Review the following table for information about the order of upgrade for other VMware components integrated with your vRealize Automation deployment.

If your site uses ...	Take this action
vRealize Automation Designer, formerly vCloud Automation Center Designer	If your site includes vRealize Automation Designer, uninstall it. After the upgrade is finished, install the 6.2.x version provided on the VMware Appliance Install download page. For more information about installing and using vRealize Automation Designer, see <i>시스템 확장성</i> .
An external vRealize Orchestrator appliance	If your deployment uses an external vRealize Orchestrator appliance and it is connected to the Identity Appliance, upgrade vRealize Orchestrator before you upgrade vRealize Automation.

vRealize Automation 업그레이드 준비

업그레이드를 시작하기 전에 가상 장치의 업데이트를 다운로드하고 vRealize Appliance 인스턴스 및 IaaS 서버에서 서비스를 종료해야 합니다.

이 장에서는 다음 주제에 대해 설명합니다.

- [“Verify the Age of Root Passwords for Virtual Appliances,”](#) on page 15
- [“현재 배포에서 실행 중인 서비스 종료,”](#)(16 페이지)
- [“IaaS Windows Server에서 vCloud Automation Center 서비스 종료,”](#)(17 페이지)
- [“Downloading Virtual Appliance Updates,”](#) on page 17

Verify the Age of Root Passwords for Virtual Appliances

Before you upgrade vRealize Automation, you must verify the age of the root passwords for the Identity Appliance, or other SSO appliance, and the vRealize Appliance.

If a root password is 365 days old or older, you must change the password before you run the upgrade. If a root password is 364 days old or newer, you can proceed with the upgrade.

Verify the age of the password.

Procedure

- 1 Log in to the vRealize Appliance for the version that you want to upgrade with SSH, or log in to the virtual machine console by using the user name **root** and the password you specified when the appliance was deployed.
- 2 Run the `chage -l` command.

The output of the `chage -l` command appears. In this example, the date in the Last Change field is less than 364 days ago.

```
Minimum: 0
Maximum: 365
Warning: 7
Inactive: -1
Last Change: Dec 29, 2014
Password Expires: Dec 29, 2015
Password Inactive: Never
Account Expires: Never"
```

- 3 Check the value in the Last Change field.
 - If the date reported in the Last Change field is less than 364 days ago you can proceed with the upgrade.
 - If the date reported in the Last Change field is more than 365 days ago you must change your password before running the upgrade.

현재 배포에서 실행 중인 서비스 종료

장치 여러 개가 로드 밸런서 뒤에 배포되고 구성되어 있는 고가용성 배포의 경우, 업그레이드를 시작하기 전에 현재 배포에 포함된 각 vCloud Automation Center Appliance 또는 vRealize Appliance에서 vco-server 서비스가 사용하지 않도록 설정되었는지 확인해야 합니다.

중요 최소 배포를 업그레이드하는 경우에는 이러한 단계를 수행하지 마십시오.

프로시저

- 1 SSH를 사용하여 현재 배포의 vCloud Automation Center Appliance 또는 vRealize Appliance에 로그인하거나 가상 시스템 콘솔에 로그인합니다.
- 2 SSH가 사용하도록 설정되었는지 확인합니다.
 - a 정규화된 도메인 이름(<https://va-hostname.domain.name:5480/>), 사용자 이름 root 및 장치 배포 시 지정된 암호를 사용하여 관리 콘솔에 로그인합니다.
 - b **관리** 탭을 클릭합니다.
 - c **SSH 서비스 사용 및 관리자 SSH 로그인**이 선택되었는지 확인합니다.

SSH 서비스 사용 확인란을 선택하면 루트 사용자를 제외한 모든 사용자에게 SSH 액세스가 사용됩니다. **관리자 SSH 로그인 사용**은 루트 사용자의 SSH 로그인을 허용합니다.
- 3 (선택 사항) SSH를 사용하도록 설정되지 않은 경우, **관리** 탭에서 **SSH 서비스 사용 및 관리자 SSH 로그인**에 해당하는 확인란을 선택하고 **설정 저장**을 클릭합니다.
- 4 vco-server 서비스를 사용하지 않도록 설정합니다.


```
service vco-server stop
chkconfig vco-server off
```

이 단계를 현재 배포에 포함된 각 장치와 PostgreSQL 가상 장치(vCloud Automation Center Appliance 또는 이전 버전의 vRealize Appliance에서 구성한 경우)에 대해 수행합니다.
- 5 서비스가 중지되었는지 확인합니다. NOT RUNNING 상태가 반환되어야 합니다.


```
service vco-server status
```
- 6 각 vCloud Automation Center Appliance 또는 vRealize Appliance에서 vcac-server, apache2 및 rabbitmq-server 서비스를 중지합니다.

업데이트하려는 첫 번째 노드에 대해서는 이 단계를 수행하지 마십시오.

```
service vcac-server stop
service apache2 stop
service rabbitmq-server stop
```
- 7 서비스가 중지되었는지 확인합니다. 각 서비스에 대해 NOT RUNNING 상태가 반환되어야 합니다.


```
service vcac-server status
service apache2 status
service rabbitmq-server status
```

각 vCloud Automation Center Appliance 또는 vRealize Appliance을 업그레이드하기 전까지는 장치를 재부팅하거나 이러한 서비스를 시작하지 마십시오. 업데이트하려는 첫 번째 노드에서는 vcac, apache 및 rabbitmq 서비스를 중지하지 마십시오.

후속 작업

“IaaS Windows Server에서 vCloud Automation Center 서비스 종료,”(17 페이지).

IaaS Windows Server에서 vCloud Automation Center 서비스 종료

업그레이드를 시작하기 전에 IaaS Windows Server에서 vCloud Automation Center 서비스를 종료해야 합니다.

분산 설치의 경우, IaaS 서비스를 실행하는 모든 서버에서 vCloud Automation Center 서비스를 권장되는 순서로 종료해야 합니다.

프로시저

- 1 IaaS Windows Server에 로그인합니다.
- 2 시작 > 관리 도구 > 서비스를 선택합니다.
- 3 다음과 같은 순서로 서비스를 종료합니다.
 - a 모든 VMware vCloud Automation Center 에이전트
 - b 모든 VMware DEM 작업자
 - c VMware DEM orchestrator
 - d VMware vCloud Automation Center Manager Service

후속 작업

가상 장치 업데이트를 다운로드할 방법을 선택합니다. 자세한 내용은 “[Downloading Virtual Appliance Updates](#),”(17 페이지)를 참조하십시오.

Downloading Virtual Appliance Updates

You can check for updates on the **Update** tab of the VMware vRealize Appliance management console and download the updates by using one of the following methods.

- [VMware 저장소에서 가상 장치 업데이트 다운로드](#)(17 페이지)
Identity Appliance 또는 vCloud Automation Center Appliance에 대한 업데이트를 vmware.com 웹사이트의 공용 저장소에서 다운로드할 수 있습니다.
- [CD-ROM 드라이브에서 사용할 가상 장치 업데이트 다운로드](#)(18 페이지)
가상 CD-ROM 드라이브에서 장치가 읽어 들이는 ISO 파일로 가상 장치를 업데이트할 수 있습니다.

VMware 저장소에서 가상 장치 업데이트 다운로드

Identity Appliance 또는 vCloud Automation Center Appliance에 대한 업데이트를 vmware.com 웹사이트의 공용 저장소에서 다운로드할 수 있습니다.

프로시저

- 1 정규화된 도메인 이름 `https://va-hostname.domain.name:5480`을 사용하여 가상 장치의 관리 콘솔로 이동합니다.
- 2 Log in with the user name root and the password you specified when the appliance was deployed.
- 3 **업데이트** 탭을 클릭합니다.
- 4 **설정**을 클릭합니다.

- 5 (선택 사항) [자동 업데이트] 패널에서 업데이트 확인 주기를 설정합니다.
- 6 [업데이트 저장소] 패널에서 **기본 저장소 사용**을 선택합니다.
기본 저장소는 정확한 VMware.com URL로 설정됩니다.
- 7 **설정 저장**을 클릭합니다.

후속 작업

- [“Install the Update on the Identity Appliance,”](#)(23 페이지).
- Identity Appliance 업데이트를 완료했거나 Single Sign-On 기능을 지원하기 위해 다른 VMware 장치를 사용하는 경우에는 [“Install the Update on the vRealize Automation Appliance,”](#)(24 페이지)로 이동하십시오.

CD-ROM 드라이브에서 사용할 가상 장치 업데이트 다운로드

가상 CD-ROM 드라이브에서 장치가 읽어 들이는 ISO 파일로 가상 장치를 업데이트할 수 있습니다.

필수 조건

- [“현재 배포에서 실행 중인 서비스 종료,”](#)(16 페이지).
- 업그레이드 시 사용하는 모든 CD-ROM 드라이브는 vCloud Automation Center Appliance를 업데이트하기 전에 사용하도록 설정해야 합니다. vSphere Client의 가상 시스템에 CD-ROM 드라이브를 추가하는 것과 관련된 내용은 vSphere 설명서 센터를 참조하십시오.

프로시저

- 1 vmware.com 웹 사이트에서 업데이트를 위한 ISO 파일을 다운로드합니다.
- 2 업데이트할 가상 장치의 CD-ROM 드라이브를 다운로드한 ISO 파일에 연결합니다.
- 3 정규화된 도메인 이름 `https://va-hostname.domain.name:5480`을 사용하여 가상 장치의 관리 콘솔로 이동합니다.
- 4 Log in with the user name root and the password you specified when the appliance was deployed.
- 5 **업데이트** 탭을 클릭합니다.
- 6 **설정**을 클릭합니다.
- 7 [업데이트 저장소] 아래에서 **CD-ROM 업데이트 사용**을 선택합니다.
- 8 **설정 저장**을 클릭합니다.

후속 작업

- [“Install the Update on the Identity Appliance,”](#)(23 페이지).
- Identity Appliance 업데이트를 완료했거나 Single Sign-On 기능을 지원하기 위해 다른 VMware 장치를 사용하는 경우에는 [“Install the Update on the vRealize Automation Appliance,”](#)(24 페이지)로 이동하십시오.

Upgrading to vCenter Platform Services Controller

6

vRealize Appliance 6.2 or later supports the use of vCenter Platform Services Controller (PSC), the SSO component of vSphere 6.0.

You can upgrade from a vRealize Automation Identity Appliance to PSC or from a vSphere SSO used for vRealize Automation to PSC. Upgrades to PSC can be done as part of an upgrade of your deployment or independent of a general upgrade.

This chapter includes the following topics:

- [“Upgrade an Identity Appliance to PSC for Use with vRealize Automation,”](#) on page 19
- [“Upgrade a vSphere SSO to PSC for Use with vRealize Automation,”](#) on page 21

Upgrade an Identity Appliance to PSC for Use with vRealize Automation

You can upgrade a vRealize Automation Identity Appliance with vCenter Platform Services Controller (PSC), a component of vSphere 6.x. To do this, you must register the new SSO with vRealize Appliance, add identity stores, and create a new solution user.

You can upgrade to PSC as part of your product upgrade or as an independent product component.

Prerequisites

- Backup and create a snapshot of your Identity Appliance.
- Save information for identity stores for all tenants. You must recreate this information in the new SSO appliance.
- Install vCenter PSC.
 - Download the vCenter Server (VCSA) for Linux and Windows Deploys from the VMware download site.
 - Follow the deployment procedures in the *VMware vCenter Server 6.0 Deployment Guide* searchable at <http://www.vmware.com>.
- If you are upgrading to PSC as part of a complete product upgrade, upgrade your vRealize Automation deployment before beginning the following procedure.

Procedure

- 1 Navigate to the vRealize Appliance management console by using its fully qualified domain name, <https://vra-va-hostname.domain.name:5480/>.
- 2 Log in with user name root and the password you specified when you deployed vRealize Appliance.
- 3 Click the **vRA Settings** tab and click **SSO** from the menu bar.

- 4 Change the value in the **SSO Port** text box to **443**.
- 5 Enter the default administrator name **administrator@vsphere.local** in the **SSO Admin User** text box.
- 6 Enter the SSO administrator password in the **SSO Admin Password** text box. The password must match the password you specified in the SSO settings for the Identity Appliance.
- 7 Click **Save Settings**.
- 8 If you are prompted with a warning about an untrusted host, click **OK** to proceed and to restart vRealize Appliance services.
- 9 Wait for all services to restart before using vRealize Automation.
 - a Click the **Services** tab.
 - b Monitor the Registered Services listing. You can click **Refresh** to see the latest information.
- 10 Add identity stores to the new appliance.
 - a Log out of the vRealize Appliance management console.
 - b Go to your default tenant at `https://vCAC FQDN/vcac` and log in as `administrator@vsphere.local`.
 - c Open the tenant.
 - d Click **Update**.
 - e Open each configured tenant and add the identity stores you configured prior to the upgrade and saved earlier,
 - f Click **Add**.
 - g Click **Update**.
 - h Reopen the tenant and confirm that settings for the tenant and the IaaS administrators display correctly.
 - i Add identity stores for all tenants.
- 11 Go to the IaaS machine where Model Manager Data was installed and imported from and create a new data file.
 - a Open a Windows command prompt as an administrator.
 - b Go to `C:\Program Files (x86)\VMware\VCAC\Server\Model Manager Data\Cafe\`.
 - c Rename the file `vcac-config.data` to `vcac-config.old`.
 - d Run the following command to create the updated data file: `Vcac-Config.exe GetServerCertificates -url https://(vCAC FQDN) --FileName vcac-config.data`.

For example:

```
Vcac-Config.exe GetServerCertificates -url https://vcac.vcloud.local
--FileName vcac-config.data
```
- 12 Create a new solution user. A solution user represents the IaaS service and is used for authentication between Windows and virtual appliances. Use a command of the following form: `Vcac-Config.exe RegisterSolutionUser -url https://(vCAC FQDN) --Tenant vsphere.local -cu administrator@vsphere.local -cp password --FileName vcac-config.data -v`

For example:

```
Vcac-Config.exe RegisterSolutionUser -url https://vcac.vcloud.local
--Tenant vsphere.local -cu administrator@vsphere.local -cp Passw0rd123
--FileName vcac-config.data -v
```

- 13 Move the solution user into the IaaS database with a command of the following form: `Vcac-Config.exe MoveRegistrationDataToDB --FileName vcac-config.data -s "SQL Server FQDN" -d "Database_name" -v`

For example:

```
Vcac-Config.exe MoveRegistrationDataToDB --FileName vcac-config.data
-s "sql.vcloud.local" -d "vCAC" -v
```

- 14 Restart IIS or open an elevated command prompt window and type `iisreset`.
- 15 From the IaaS Windows machine, select **Start > Administrative Tools > Services**.
- 16 Restart machines for all IaaS Services in the recommended order.

All IaaS services must be restarted for the solution user change to take effect.

- a VMware vCloud Automation Center Service (manager service)
- b VMware DEM-Orchestrator
- c VMware DEM-Worker
- d VMware vRealize Automation Agents

You have created a new PSC SSO appliance with required vRealize Automation information.

Upgrade a vSphere SSO to PSC for Use with vRealize Automation

You can upgrade a vSphere SSO to vCenter Platform Services Controller (PSC), a component of vSphere 6.x. Because PSC uses a different port from other supported SSOs, you must edit your vRealize Appliance configuration to specify the new port.

You can upgrade to PSC as part of your product upgrade or as an independent product component.

NOTE PSC version 6.0 that was introduced in vSphere 6.0 allows you to specify a tenant name other than `vsphere.local`. vRealize Automation requires `vsphere.local` as the name of the default tenant because you cannot enter the name of the tenant on the SSO tab of the management console when you configure vRealize Automation. If you have used another name, rename the tenant to `vsphere.local`.

Prerequisites

- Upgrade your vCenter SSO appliance to vCenter PSC.
Instructions for upgrading a 5.5 vCenter SSO to vCenter PSC are available from the vSphere documentation center and the white paper *vCenter Server Deployment* searchable at <http://www.vmware.com>.
- If you are upgrading to PSC as part of a complete product upgrade, upgrade your vRealize Automation deployment before beginning the following procedure.

Procedure

- 1 Navigate to the vRealize Appliance management console by using its fully qualified domain name, `https://vra-va-hostname.domain.name:5480/`.
- 2 Log in with user name `root` and the password you specified when you deployed vRealize Appliance.
- 3 Click the **vRA Settings** tab and click **SSO** from the menu bar.
- 4 Change the value in the **SSO Port** text box to **443**.
- 5 Enter the default administrator name `administrator@vsphere.local` in the **SSO Admin User** text box.

- 6 Enter the SSO administrator password in the **SSO Admin Password** text box. The password must match the password you specified in the SSO settings for the Identity Appliance.
- 7 Click **Save Settings**.
- 8 If you are prompted with a warning about an untrusted host, click **OK** to proceed and to restart vRealize Appliance services.
- 9 Wait for all services to restart before using vRealize Automation.
 - a Click the **Services** tab.
 - b Monitor the Registered Services listing. You can click **Refresh** to see the latest information.

The Platform Services Controller server is in use.

Installing the Virtual Appliance Updates

7

After you complete prerequisites for upgrading and download the update, you install updates for the Identity Appliance and for all instances of the vRealize Appliance. You can also choose to upgrade from an Identity Appliance or vSphere SSO appliance to vCenter Platform Services Controller (PSC).

Your vRealize Automation upgrade does not affect vSphere appliances, however, you must reconfigure vRealize Automation settings when you upgrade to PSC from an earlier version of the vSphere SSO or when you replace an Identity Appliance with PSC. For more information, see [6장, “Upgrading to vCenter Platform Services Controller,”](#) (19 페이지).

이 장에서는 다음 주제에 대해 설명합니다.

- [“Install the Update on the Identity Appliance,”](#) on page 23
- [“Install the Update on the vRealize Automation Appliance,”](#) on page 24

Install the Update on the Identity Appliance

You install the update on the Identity Appliance before you update the vRealize Appliance.

Prerequisites

- Select a download method and download the update. See [“Downloading Virtual Appliance Updates,”](#) on page 17.
- [“IaaS Windows Server에서 vCloud Automation Center 서비스 종료,”](#) on page 17.

Procedure

- 1 Log in to the Identity Appliance management console and open the **Update** tab.
 - a 정규화된 도메인 이름 `https://va-hostname.domain.name:5480`을 사용하여 가상 장치의 관리 콘솔로 이동합니다.
 - b Log in with the user name `root` and the password you specified when the appliance was deployed.
 - c Click the **Update** tab.
- 2 **업데이트 확인**을 클릭하여 업데이트가 있는지 확인합니다.
- 3 Click **Install Updates**.
- 4 Click **OK** to confirm that you want the update to proceed.

The time it takes for the update to finish is dependent on your site environment.

- 5 After the update is installed, reboot the virtual appliance.
 - a Click the **System** tab.
 - b Click **Reboot** and confirm your selection.
- 6 Clear the cache of the Web browser used to access the management console.

What to do next

“[Install the Update on the vRealize Automation Appliance,](#)” on page 24.

Install the Update on the vRealize Automation Appliance

You install the update on the vRealize Appliance after you upgrade and reboot the Identity Appliance. Apply the update to each instance of vRealize Appliance in your installation.

NOTE If your deployment uses a load balancer, disable all but one vRealize Appliance for load balancer traffic. The first appliance you plan to upgrade must be connected to the load balancer. All other instances of vRealize Appliance must be disabled for load balancer traffic when you upgrade them.

If you are using a vRealize Appliance as a dedicated appliance database server, update it before you update a vRealize Appliance used as an application server.

Wait for the reboot to complete on one appliance before starting the upgrade on another.

Prerequisites

- Select a download method and download the update. See “[Downloading Virtual Appliance Updates,](#)” on page 17.
- For high-availability deployments, “[현재 배포에서 실행 중인 서비스 종료,](#)” on page 16.
- Verify that the identity server is running.
- Before you apply the appliance upgrade for deployments that use load balancers, disable traffic for all nodes except the first node you that you plan to upgrade in order to prevent cache errors.

Procedure

- 1 Log in to the vRealize Appliance management console and click the **Update** tab.
 - a 정규화된 도메인 이름 `https://va-hostname.domain.name:5480`을 사용하여 가상 장치의 관리 콘솔로 이동합니다.
 - b Log in with the user name `root` and the password you specified when the appliance was deployed.
 - c Click the **Update** tab.
- 2 **상태**를 클릭합니다.
- 3 **업데이트 확인**을 클릭하여 업데이트가 있는지 확인합니다.
- 4 (Optional) vRealize Appliance 인스턴스의 경우 장치 버전 영역에서 **세부 정보**를 클릭하여 릴리스 정보의 위치에 대한 정보를 확인합니다.
- 5 Read the note about participation in the Customer Experience Improvement Program.

When you upgrade, you are joined to the VMware Customer Experience Improvement Program. For information about the program, click the Telemetry tab in the product management console.

For more information about setting parameters for data collection and joining or leaving the Customer Experience Improvement Program, see [시스템 관리](#).
- 6 Click **Install Updates**.

7 **확인**을 클릭합니다.

An informational message stating that the update is in progress appears. The time it takes for the update to finish depends on your site environment.

8 Reboot the virtual appliance.

- a Click the **System** tab.
- b Click **Reboot** and confirm your selection.

9 Clear the cache of the Web browser that you use to access the management console.

10 Verify that services are running.

- a Log in to the vRealize Appliance management console.
- b Click the **Services** tab on the console.
- c Click the **Refresh** tab to monitor the progress of service startup.

You should see a minimum of twenty-one services.

11 If your deployment uses a load balancer, repeat these steps for each vRealize Appliance.

Leave the second and subsequent vRealize Appliance disabled for load balance traffic when you apply the update.

12 Reconnect all virtual appliances to the load balancer.

What to do next

Upgrade the IaaS database and servers. See [Chapter 8, “IaaS 서버 업그레이드,”](#) on page 27.

IaaS 서버 업그레이드

시스템 관리자가 IaaS 서버 구성 요소 및 SQL 데이터베이스를 업그레이드합니다.

DBUpgrade 명령으로 IaaS용 SQL 데이터베이스를 업그레이드하고 IaaS 설치 관리자로 IaaS 서버 구성 요소를 업그레이드합니다.

참고 IaaS 서버 및 해당 구성 요소를 업그레이드하기 전에 데이터베이스를 업그레이드해야 합니다.

이 장에서는 다음 주제에 대해 설명합니다.

- [“Upgrade the Database,”](#) on page 27
- [“IaaS 설치 관리자 다운로드,”](#)(29 페이지)
- [“Upgrade the IaaS Components,”](#) on page 30

Upgrade the Database

An administrator must upgrade the database with the DBUpgrade.exe command before upgrading the IaaS components.

The DBUpgrade command requires the names of the SQL Server database instance and the vRealize Automation database and the port number if you are using a port other than the default SQL port. It can use Windows authentication or it accepts credentials to access the database using SQL authentication. It creates a log file named dbupgrade.log in the current directory if you do not provide a path name for a different log file.

IMPORTANT Run this command only once during an upgrade.

If the correct Java version is not installed, or if the JAVA_HOME environment is set incorrectly, you see a message similar to the following one:

```
Upgrading VMware vCAC or vCloud Automation Center IaaS SQL database
fails with the error: Java version 1.7(64-bit) must be installed,
the environment variable JAVA_HOME must be set to the Java install folder, and
%JAVA_HOME%\bin\java.exe (2089329)
```

For information about resolving the error, see the VMware Knowledge Base article at <http://kb.vmware.com/kb/2089329>.

Prerequisites

- Verify that the machine on which you run the DBUpgrade command meets the following Java-related requirements.
 - 64-bit Java version 1.7 or later is installed. 32-bit versions are not supported.

- The environment variable JAVA_HOME is set to the Java install folder.
- The %JAVA_HOME%\bin\java.exe file is available.

Procedure

- 1 Navigate to the Windows installer download page by using `https://vcac-va-hostname.domain.name:5480/installer/`, the host name of the vRealize Appliance.
- 2 Click **database upgrade scripts** from the list of options under IaaS Installation.
- 3 Extract the contents of the DBUpgrade.zip archive file to a local folder on the vRealize Automation database host, or to another location with network access to the database host.
- 4 In an elevated Windows command prompt window, set your current directory to the folder where you extracted the contents of the DBUpgrade.zip archive file.
- 5 Enter a DBUpgrade command string in the following format.

```
DBUpgrade [-S dbserver[,port number][\SQLinstance]] [-d dbname] [{-E | -U username}] [-l logfilepath]
```

Option	Description
-S dbserver [,portnumber] [\SQLinstance]	Identifies the database server instance by server name, port number and SQL instance name. Allowable values for <i>dbserver</i> are localhost or a fully qualified domain name for the database server. If you are using an SQL port number other than the default, 1433, you must specify the port number as part of the FQDN. If no port number is specified, the 1433 port is used. If you are using a named SQLinstance, specify the instance name. If no name is specified, the default, unnamed SQL instance is used.
-d dbname	Identifies the vRealize Automation database <i>dbname</i> .
-E	Requires a Windows Authentication trusted connection to access the database and connects using the Windows credentials of the user who is running the command.
-U username	Specifies the user name for the database owner account.
-l logfilepath	Specifies the full pathname of the upgrade log file. By default, the command creates the <code>dbupgrade.log</code> log file in the current directory.

- 6 (Optional) At the prompt, enter the password for the database owner account.
You are prompted for this information only when you specify a username with the `-U username` argument to the DBUpgrade command.

The command upgrades the database to the latest release.

Example: DBUpgrade.exe

The following examples illustrate uses of command syntax.

- `DBUpgrade`
With no options, displays usage information.
- `DBUpgrade -S localhost -d VCAC -E`
Upgrades the VCAC database in the default, unnamed SQL instance running on the local host on the default port 1433 and connects using your Windows credentials over a Windows Authentication trusted connection.
- `DBUpgrade -S dbhost.mydomain.local,5555 -d VCAC -E`

Upgrades the VCAC database in the default, unnamed SQL instance running on dbhost on the non-default port 5555 and connects using your Windows credentials over a Windows Authentication trusted connection.

- `DBUpgrade -S dbhost.mydomain.local\MySQLInstance -d VCAC -U SqlUser -l %SystemDrive%\VCACDBUpgrade\Log_30Apr.log`

Logs in as the user named SqlUser and prompts you for the password for the SqlUser account. Then, upgrades the VCAC database in the named instance MySQLInstance running on dbhost on the default port, and creates the Log_30Apr.log upgrade log file in the VCACDBUpgrade folder on the system drive.

- `DBUpgrade -S dbhost.mydomain.local,5555\MySQLInstance -d VCAC -E -l %SystemDrive%\VCACDBUpgrade\Log_30Apr.log`

Upgrades the database VCAC in the named instance MySQLInstance running on dbhost and the non-default port 5555, logs in using your Windows credentials over a Windows Authentication trusted connection, and creates the Log_30Apr.log upgrade log file in the VCACDBUpgrade folder on the system drive.

IaaS 설치 관리자 다운로드

업그레이드할 IaaS 구성 요소가 설치되어 있는 시스템에 IaaS 설치 관리자를 다운로드합니다.

이 절차를 진행하는 중에 인증서 경고가 표시될 수 있습니다. 이 경고는 무시해도 됩니다.

필수 조건

- IaaS 설치 시스템에 Microsoft .NET Framework 4.5.1 이상이 설치되어 있는지 확인합니다. vRealize Automation 설치 관리자 웹 페이지에서 .NET 설치 관리자를 다운로드할 수 있습니다.
- Internet Explorer를 사용하여 다운로드하는 경우 보안 강화 구성 설정을 사용하지 말아야 합니다. `res://iesetup.dll/SoftAdmin.htm`을 참조하십시오.
- 업그레이드할 하나 이상의 IaaS 구성 요소가 설치되어 있는 Windows 서버에 로컬 관리자로 로그인합니다.
- 업그레이드할 IaaS 구성 요소는 vRealize Automation 6.0.1의 일부여야 합니다. 해당 구성 요소의 버전이 vRealize Automation 6.0인 경우 이 업그레이드를 진행하기 전에 먼저 해당 구성 요소를 vRealize Automation 6.0.1로 업그레이드해야 합니다.

프로시저

- 1 웹 브라우저를 엽니다.
- 2 Windows Installer 다운로드 페이지의 URL을 입력합니다.
예를 들어 `https://vcac-va-hostname.domain.name:5480/installer`와 같이 입력합니다. 여기서 `vcac-va-hostname.domain.name`은 vRealize Appliance 호스트의 이름입니다.
- 3 **IaaS 설치 관리자** 링크를 클릭합니다.
- 4 메시지가 표시되면 설치 관리자 파일인 `setup__vcac-va-hostname.domain.name@5480.exe`를 데스크톱에 저장합니다.
파일 이름을 변경하지 마십시오. 파일 이름은 설치를 vRealize Appliance에 연결하는 데 사용됩니다.

Upgrade the IaaS Components

You must upgrade the database and configure all systems that have IaaS components installed. You can use these steps for minimal and distributed installations.

If you have multiple IaaS servers, perform the upgrade so that services are upgraded in the following order:

1 Websites

If you are using a load balancer, disable all Websites for load balancer traffic except the Website on which Model Manager data is installed. Upgrade the Website on which Model Manager data is installed first.

Finish the upgrade on one server before upgrading the next server that is running a Website service.

2 Manager services

Upgrade the active manager service before you upgrade the passive manager service and reboot the system where the passive manager service is installed.

3 DEM orchestrator and workers

Upgrade all DEM orchestrators and workers. Finish the upgrade on one server before you upgrade the next server.

4 Agents

Finish the upgrade on one server before you upgrade the next server that is running an agent.

If you are using different services on one server, the upgrade updates the services in the proper order. For example, if your site has Website and manager services on the same server, select both for update. The upgrade installer applies the updates in the proper order. You must complete the upgrade on one server before you begin an upgrade on another.

NOTE If your deployment uses a load balancer, the first appliance you plan to upgrade must be connected to the load balancer. All other instances of vRealize Appliance appliances must be disabled for load balancer traffic before you apply the upgrade to avoid caching errors.

Prerequisites

- [“IaaS Windows Server에서 vCloud Automation Center 서비스 종료,”](#) on page 17
- [“IaaS 설치 관리자 다운로드,”](#) on page 29.
- [“Upgrade the Database,”](#) on page 27.

Procedure

- 1 If you are using a load balancer, prepare your environment.
 - a Verify that the Website on which Model Manager data is installed is enabled for load balancer traffic.

You can identify this node by the presence of the <vCAC Folder>\Server\ConfigTool folder.
 - b Disable all other Websites for load balancer traffic.
- 2 `setup__vra-va-hostname.domain.name@5480.exe` 설치 파일을 마우스 오른쪽 버튼으로 클릭하고 **관리자 권한으로 실행**을 선택합니다.
- 3 **다음**을 클릭합니다.
- 4 라이선스 계약에 동의하고 **다음**을 클릭합니다.

- 5 Type the administrator credentials for your current deployment on the Log In page.
The user name is root and the password is the password that you specified when you deployed the appliance.

6 인증서 수락을 선택합니다.

7 Select **Upgrade** on the Installation Type page and click **Next**.

8 Configure the upgrade settings.

Option	Action
If you are upgrading the Model Manager Data	Select the Model Manager Data check box in the vCAC Server section. The check box is selected by default. Upgrade the Model Manager data only once. If you are running the setup file on multiple machines to upgrade a distributed installation, the Web servers stop functioning while there is a version mismatch between the Web servers and the Model Manager data. When you have upgraded the Model Manager data and all of the Web servers, all of the Web servers should function.
If you are not upgrading the Model Manager Data	Unselect the Model Manager Data check box in the vCAC Server section.
To preserve customized workflows as the latest version in your Model Manager Data	If you are upgrading the Model Manager Data, select the Preserve my latest workflow versions check box in the Extensibility Workflows section. The check box is selected by default. Customized workflows are always preserved. The checkbox determines version order only. If you used vRealize Automation Designer to customize workflows in the Model Manager, select this option to maintain the most recent version of each customized workflow before upgrade as the most recent version after upgrade. If you do not select this option, the version of each workflow provided with vCloud Automation Center Designer 6.1 becomes the most recent after upgrade, and the most recent version before upgrade becomes the second most recent. For information about vRealize Automation Designer, see <i>Extensibility</i> .
If you are upgrading a Distributed Execution Manager or a proxy agent	Enter the credentials for the administrator account in the Service Account section. All of the services that you upgrade run under this account.
To specify your Microsoft SQL Server database	If you are upgrading the Model Manager Data, enter the names of the database server and database instance in the Server text box in the Microsoft SQL Server Database Installation Information section. Use a fully qualified domain name (FQDN) for the database server name. If the database instance is on a non-default SQL port, include the port number in the server instance specification. The Microsoft SQL default port number is 1433.

9 다음을 클릭합니다.

10 Confirm that all services to upgrade appear on the Ready to Upgrade page, and click **Upgrade**.

The Upgrading page and a progress indicator appear. When the upgrade process finishes, the **Next** button is enabled.

11 다음을 클릭합니다.

12 마침을 클릭합니다.

13 Verify that all services restarted.

14 If the DEM orchestrator, DEM workers, or agents are installed on the same server where Model Manager Data has been upgraded, reboot the appliance.

15 Repeat these steps for each IaaS server in your deployment in the recommended order.

16 If your deployment uses a load balancer, reenable load balancer traffic for any unconnected nodes.

- 17 After all components are upgraded, log in to the management console for the appliance and verify that all services, including IaaS, are now registered.

All of the selected components are upgraded to the new release.

vRealize Automation 의 사후 업그레이드 작업

9

vRealize Automation을 업그레이드한 후에는 필요한 모든 사후 업그레이드 작업을 수행합니다.

이 장에서는 다음 주제에 대해 설명합니다.

- “vRealize Automation 브랜딩 적용,”(33 페이지)
- “고가용성 배포를 위한 포트 구성,”(34 페이지)
- “Enabling the Connect to Remote Console Action for Consumers,” on page 34
- “Update Customized Workflows,” on page 34

vRealize Automation 브랜딩 적용

vCloud Automation Center 6.1에서 vRealize Automation 6.2로 업그레이드한 후 vCloud Automation Center 브랜딩은 콘솔 로그인 페이지에 남아 있습니다.

로그인 콘솔을 업데이트하여 vRealize Automation 브랜딩을 사용할 수 있습니다. 이 절차에서는 기본 vRealize Automation 브랜딩을 설정합니다. 고객별 브랜딩은 설정하지 않습니다.

필수 조건

이 절차를 시작하기 전에 vRealize Automation 6.2로 업그레이드를 완료합니다.

프로시저

- 1 정규화된 도메인 이름(<https://vra-va-hostname.domain.name:5480>)을 사용하여 vRealize Appliance 관리 콘솔로 이동합니다.
- 2 장치가 배포되었을 때 지정한 사용자 이름 루트와 암호를 사용하여 로그인합니다.
- 3 **vRA 설정** 탭을 클릭합니다.
- 4 **SSO**를 클릭합니다.
- 5 SSO 서버에 대한 설정을 입력합니다. 이러한 설정은 SSO 장치를 구성했을 때 입력한 설정과 일치해야 합니다.
 - a **SSO 호스트** 텍스트 상자에 `sso-va-hostname.domain.name` 양식을 사용하여 SSO 장치의 정규화된 도메인 이름을 입력합니다. `https://` 접두사를 사용하지 마십시오. 예를 들면 `vra-ss0-mycompany.com`입니다.
 - b 기본 포트 번호 7444가 **SSO 포트** 텍스트 상자에 표시됩니다. 기본이 아닌 포트를 사용 중인 경우 이 값을 편집합니다.
 - c 기본 테넌트 이름인 `vsphere.local`을 수정하지 마십시오.

- d SSO 관리자 텍스트 상자에 기본 관리자 이름 `administrator@vsphere.local`을 입력합니다.
 - e SSO 관리자 암호 텍스트 상자에 SSO 관리자 암호를 입력합니다.
 - 6 브랜딩 적용을 선택합니다.
 - 7 설정 저장을 클릭합니다.
- 몇 분 후 성공 메시지가 나타나고 SSO 상태가 연결됨으로 업데이트됩니다.

로그인 콘솔에서 vRealize Automation 브랜딩을 사용합니다.

고가용성 배포를 위한 포트 구성

고가용성 배포에서 업그레이드를 완료한 후에는 포트 8444의 트래픽을 vRealize Appliance에 전달하도록 로드 밸런서를 구성하여 원격 콘솔 기능을 지원해야 합니다.

Enabling the Connect to Remote Console Action for Consumers

The remote console action for consumers is supported for appliances provisioned by vSphere in vRealize Automation 6.2.1 and later. You must modify blueprints created in 6.2.0 to enable this feature.

Edit the blueprint after you have upgraded the release and select the **Connect to Remote Console** action on the **Action** tab.

If your blueprint was created in 6.1 and the **Connect to Remote Console** action was enabled, the action is automatically reenabled in 6.2.1 and later releases and you are not required to edit the blueprint.

For more information, see [Knowledge Base article 2109706](#).

Update Customized Workflows

After completing the product upgrade, update the .xaml file for customized workflows that were created in a release prior to vRealize Automation 6.1.

WCF data services were upgraded from version 4.0 to 5.6.1 in vRealize Automation 6.1. You must modify the .xaml for workflows you created before this upgrade to work with the new WCF version.

Procedure

- 1 Open the .xaml file for the workflow for editing.
- 2 Locate and replace the line `<AssemblyReference>System.Data.Services.Client</AssemblyReference>` with `<AssemblyReference>Microsoft.Data.Services.Client</AssemblyReference>`
- 3 Locate and replace the line `clr-namespace:System.Data.Services.Client;assembly=System.Data.Services.Client` with `clr-namespace:System.Data.Services.Client;assembly=Microsoft.Data.Services.Client`.
- 4 Save and close the file.

Your .xaml file is updated to work with the new WCF framework.

업그레이드 문제 해결

업그레이드 문제 해결 항목에서는 vRealize Automation을 업그레이드할 때 발생할 수 있는 문제에 대한 솔루션을 제공합니다.

이 장에서는 다음 주제에 대해 설명합니다.

- “로드 밸런서 시간 초과 오류와 함께 설치 또는 업그레이드가 실패함,”(35 페이지)
- “IaaS 업그레이드 도중 Website 구성 요소에 대해 업그레이드 실패,”(35 페이지)
- “잘못된 탭 이름이 일시적으로 표시됨,”(36 페이지)
- “Changes Made to /etc/hosts Files Might Be Overwritten,” on page 36
- “vRealize Automation Requires vsphere.local as the Default Tenant Name,” on page 36
- “After Upgrade, Services on the Services Tab of the vRealize Automation Appliance Management Console Do Not Display Properly,” on page 37

로드 밸런서 시간 초과 오류와 함께 설치 또는 업그레이드가 실패함

로드 밸런서가 있는 분산 배포의 vRealize Automation 설치 또는 업그레이드가 503 서비스 사용 불가 오류를 표시하며 실패합니다.

문제점

로드 밸런서 시간 초과 설정에서 작업을 완료할 시간이 충분히 허용되지 않아서 설치 또는 업그레이드가 실패합니다.

원인

로드 밸런서 시간 초과 설정이 충분하지 않아서 실패가 발생할 수 있습니다. 로드 밸런서 시간 초과 설정을 100 초 이상으로 늘리고 작업을 다시 실행하여 문제를 수정할 수 있습니다.

해결 방법

- 1 로드 밸런서 시간 초과 값을 100초 이상으로 늘리십시오. 예를 들어 사용 중인 로드 밸런서에 따라 `ssl.conf`, `httpd.conf` 또는 다른 웹 구성 파일에서 로드 밸런서 시간 초과 설정을 편집하십시오.
- 2 설치 또는 업그레이드를 다시 실행하십시오.

IaaS 업그레이드 도중 Website 구성 요소에 대해 업그레이드 실패

IaaS 업그레이드가 실패하고 업그레이드를 계속할 수 없습니다.

문제점

설치 관리자가 `web.config` 파일을 업데이트할 수 없습니다.

원인

이 문제는 `web.config` 파일의 생성 날짜가 수정된 날짜와 같거나 이후인 경우에 발생합니다.

해결 방법

- 1 업그레이드를 시작하기 전에 권한 승격된 계정을 사용하여 `web.config` 파일을 편집기에서 엽니다.
- 2 파일을 저장하여 수정 날짜 스탬프를 변경합니다.
- 3 `web.config` 파일의 파일 수정 날짜가 생성 날짜 이후인지 확인합니다.
- 4 IaaS 업그레이드를 실행합니다.

잘못된 탭 이름이 일시적으로 표시됨

IaaS 탭과 기타 탭의 레이블이 잘못 표시될 수 있습니다.

문제점

고가용성 환경을 vCloud Automation Center 6.0.x 또는 6.1에서 vRealize Automation 6.2로 업그레이드한 이후 일시적으로 탭이 잘못된 이름으로 표시될 수 있습니다.

해결 방법

올바른 탭 이름을 복원하려면 모든 vRealize Automation 가상 장치를 다시 시작하십시오.

Changes Made to /etc/hosts Files Might Be Overwritten**Problem**

If you made changes to the `/etc/hosts` file, they might be overwritten when any of the following actions occur:

- Reboot
- Network changes
- Changes made in the **Management console**-> **Network** tab
- Upgrade

Solution

To make a permanent change to the `/etc/hosts` file, you must make the change outside of the `VAMI_EDIT_BEGIN` to `VAMI_EDIT_END` section because this section is overwritten when a network change is detected.

vRealize Automation Requires vsphere.local as the Default Tenant Name

vSphere 6.0 permits assignment of a tenant name other than `vsphere.local`. However, alternate names cannot be used for the vRealize Automation default tenant name.

Problem

If you specify a tenant name other than `vsphere.local` with vSphere 6.0 Platform Service Control (PSC), you cannot configure the default tenant for vRealize Automation.

Cause

vRealize Automation requires that the default tenant name be `vsphere.local`. Input is for other tenant names is disabled on the **SSO** tab of the management console.

Solution

Rename the tenant to vsphere.local.

After Upgrade, Services on the Services Tab of the vRealize Automation Appliance Management Console Do Not Display Properly

Services are missing or incompletely displayed.

Problem

After upgrade to VMware vRealize™ Automation 6.2.5, the services shown on the **Services** tab of the vRealize Automation Appliance Management console are in an infinite loading state.

Cause

Upgrade was performed without a valid license installed for the embedded vRealize Orchestrator.

Solution

- ◆ Log in to the Cafe host virtual machine and run this command: `vcac-vami vco-service-reconfigure`.

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