

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

Atualizando para o vRealize Automation 6.2 ou versões posteriores 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 Nem todos os recursos e capacidades do vRealize Automation estão disponíveis em todas as edições. Para ver uma comparação de conjuntos de recursos em cada edição, consulte <https://www.vmware.com/products/vrealize-automation/>.

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 39
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 26. 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 29. 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 21.
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 “Configuração de porta para implantações de alta disponibilidade,” on page 36. 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 36.
EN-001633-00	Initial release.

Atualizando para o vRealize Automation 6.2 ou posterior

2

Atualizar é um processo de várias etapas em que procedimentos devem ser realizados em uma ordem específica. Siga os processos sugeridos para garantir uma boa atualização com um mínimo de tempo de inatividade do sistema. Você deve atualizar todos os componentes do produto para a mesma versão.

OBSERVAÇÃO Na versão 6.2, o vCloud Automation Center foi renomeado para vRealize Automation. Somente a interface do usuário e os nomes do serviço foram alterados. Os nomes de diretório e os nomes de programa que contêm vcac não foram afetados.

Encontre a versão instalada atualmente na tabela e siga as etapas nos documentos à direita para atualizar gradativamente seu ambiente do vRealize Automation para a versão mais recente. Você pode encontrar links para a documentação de todas as versões do vCloud Automation Center e do vRealize Automation em <https://www.vmware.com/support/pubs/vcac-pubs.html>.

Tabela 2-1. Caminhos de atualização com suporte

Sua versão instalada atualmente	Documentação para atualizações incrementais
vCloud Automation Center 6.0	Realize as atualizações na seguinte ordem: <ul style="list-style-type: none">■ <i>Fazendo upgrade para o vCloud Automation Center 6.0 para 6.0.1</i>■ <i>Fazendo upgrade para o vCloud Automation Center 6.1</i>■ <i>Atualizando para o vRealize Automation 6.2 ou versões posteriores</i>
vCloud Automation Center 6.0.1	Realize as atualizações na seguinte ordem: <ul style="list-style-type: none">■ <i>Fazendo upgrade para o vCloud Automation Center 6.1</i>■ <i>Atualizando para o vRealize Automation 6.2 ou versões posteriores</i>
vCloud Automation Center 6.1.x	<i>Atualizando para o vRealize Automation 6.2 ou versões posteriores</i>
vRealize Automation 6.2.x	<i>Atualize diretamente para a versão 6.2.x mais recente, conforme descrito em Atualizando para o vRealize Automation 6.2 ou versões posteriores</i>

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 “Desligar os serviços da implantação atual,” on page 16.	
<input type="checkbox"/> Shut down services on your IaaS Windows Servers.	See “Desligar os serviços do vCloud Automation Center no seu Windows Server do IaaS,” 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 25.	If you plan to use vSphere PSC as your SSO appliance, see Chapter 6, “Upgrading to vCenter Platform Services Controller,” on page 21.
<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 26.	
<input type="checkbox"/> Update the IaaS database.	See “Upgrade the Database,” on page 29.	

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

Task	Instructions	Notes
<input type="checkbox"/> Download and install updates for IaaS.	See Chapter 8, “Atualizando o servidor IaaS,” on page 29.	
<input type="checkbox"/> (Optional) Apply vRealize Automation branding to 6.2	See “Aplicar a identidade visual do vRealize Automation,” on page 35.	

Prerequisites for Upgrading vRealize Automation

4

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 *Matriz de suporte do vRealize Automation* 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 [“Desligar os serviços do vCloud Automation Center no seu Windows Server do IaaS,”](#) 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>Extensibilidade da máquina</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.

Preparando para atualizar o vRealize Automation

5

Você deve baixar as atualizações dos appliances virtuais e desligar os serviços em instâncias do seu vRealize Appliance e dos servidores IaaS antes de iniciar a atualização.

Este capítulo inclui os seguintes tópicos:

- [“Verify the Age of Root Passwords for Virtual Appliances,”](#) on page 15
- [“Desligar os serviços da implantação atual,”](#) na página 16
- [“Desligar os serviços do vCloud Automation Center no seu Windows Server do IaaS,”](#) na página 17
- [“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.

Desligar os serviços da implantação atual

Para implantações de alta disponibilidade, nas quais vários appliances são implantados e configurados por meio de um balanceador de carga, verifique se o serviço vco-server está desabilitado em cada vCloud Automation Center Appliance ou vRealize Appliance na implantação atual antes de iniciar a atualização.

IMPORTANTE Não realize estas etapas se estiver atualizando uma implantação mínima.

Procedimentos

- 1 Faça login no vCloud Automation Center Appliance ou vRealize Appliance da sua implantação atual com o SSH ou faça login no console da máquina virtual.
- 2 Verifique se o SSH está habilitado.
 - a Faça login no console de gerenciamento usando o nome de domínio totalmente qualificado `https://va-hostname.domain.name:5480/`, a raiz do nome do usuário e a senha especificada na implantação do appliance.
 - b Clique na guia **Administração**.
 - c Verifique se as opções **Serviço SSH habilitado** e **Login do SSH do administrador** estão selecionadas.

Marcar a caixa **Serviço SSH habilitado** permite o acesso ao SSH para todos, exceto o usuário raiz.
Marcar **Login do SSH do administrador habilitado** permite o login do SSH pelo usuário raiz.
- 3 (Opcional) Se o SSH não estiver habilitado, marque as caixas de seleção **Serviço SSH habilitado** e **Login do SSH do administrador** na guia **Administração** e clique em **Salvar configurações**.
- 4 Desabilite o serviço vco-server.


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

Realize esta etapa para cada appliance na sua implantação atual e para seu appliance virtual do PostgreSQL se ele tiver sido configurado de um vCloud Automation Center Appliance ou uma versão anterior de um vRealize Appliance.
- 5 Verifique se o serviço foi interrompido. O status retornado deveria ser NOT RUNNING.


```
service vco-server status
```
- 6 Pare os serviços vcac-server, apache2 e rabbitmq-server em cada vCloud Automation Center Appliance ou vRealize Appliance.

Não realize esta etapa no primeiro nó que você planeja atualizar.

```
service vcac-server stop
service apache2 stop
service rabbitmq-server stop
```


- 7 Verifique se os serviços foram interrompidos. O status retornado de cada serviço deveria ser NOT RUNNING.

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

Não reinicie o appliance ou inicie esses serviços até que tenha atualizado cada vCloud Automation Center Appliance ou vRealize Appliance. Não pare os serviços vcac, apache e rabbitmq services no primeiro nó que você planeja atualizar.

Próximo passo

“Desligar os serviços do vCloud Automation Center no seu Windows Server do IaaS”, na página 17.

Desligar os serviços do vCloud Automation Center no seu Windows Server do IaaS

Antes de iniciar a atualização, desligue os serviços do vCloud Automation Center no seu Windows Server do IaaS.

Para instalações distribuídas, desligue os serviços do vCloud Automation Center na ordem recomendada para todos os servidores em execução nos serviços do IaaS.

Procedimentos

- 1 Faça login no seu Windows Server do IaaS.
- 2 Selecione **Iniciar > Ferramentas administrativas > Serviços**.
- 3 Desligue os serviços na ordem a seguir.
 - a Todos os agentes do VMware vCloud Automation Center
 - b Todos os trabalhadores do VMware DEM
 - c VMware DEM orchestrator
 - d VMware vCloud Automation Center Manager Service

Próximo passo

Escolha um método para baixar as atualizações do appliance virtual. Consulte “[Downloading Virtual Appliance Updates](#)”, na página 17 para obter mais informações.

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.

- [Fazer download de atualizações de appliances virtuais de um repositório da VMware](#) na página 18
Você pode fazer download da atualização para o seu appliance do Identity Appliance ou do vCloud Automation Center em um repositório público no site da Web vmware.com.
- [Fazer download de atualizações do appliance virtual para uso com uma unidade de CD-ROM](#) na página 18
Você pode atualizar seu appliance virtual de um arquivo ISO que ele lê na unidade de CD-ROM virtual.

Fazer download de atualizações de appliances virtuais de um repositório da VMware

Você pode fazer download da atualização para o seu appliance do Identity Appliance ou do vCloud Automation Center em um repositório público no site da Web vmware.com.

Procedimentos

- 1 Vá para o console de gerenciamento do seu appliance virtual usando o nome de domínio totalmente qualificado, <https://va-hostname.domain.name:5480>.
- 2 Log in with the user name root and the password you specified when the appliance was deployed.
- 3 Clique na guia **Atualizar**.
- 4 Clique em **Configurações**.
- 5 (Opcional) Definir a frequência de verificação de atualizações no painel Atualizações Automáticas.
- 6 Selecione **Usar Repositório Padrão** no painel Repositório de Atualização.
O repositório padrão é definido como a URL VMware.com correta.
- 7 Clique em **Salvar Configurações**.

Próximo passo

- [“Install the Update on the Identity Appliance”](#), na página 25.
- Se você concluiu a atualização para o Identity Appliance ou se usa outro appliance da VMware para oferecer suporte aos recursos de Single Sign-On, vá para [“Install the Update on the vRealize Automation Appliance”](#), na página 26.

Fazer download de atualizações do appliance virtual para uso com uma unidade de CD-ROM

Você pode atualizar seu appliance virtual de um arquivo ISO que ele lê na unidade de CD-ROM virtual.

Pré-requisitos

- [“Desligar os serviços da implantação atual”](#), na página 16.
- Todas as unidades de CD-ROM que você usa na atualização devem estar ativadas antes que qualquer vCloud Automation Center Appliance seja atualizado. Consulte o centro de documentação do vSphere para obter informações sobre como adicionar uma unidade de CD-ROM a uma máquina virtual no cliente do vSphere.

Procedimentos

- 1 Faça download do arquivo ISO do site vmware.com.
- 2 Conecte a unidade de CD-ROM do appliance virtual que você está atualizando ao arquivo ISO que você fez download.
- 3 Vá para o console de gerenciamento do seu appliance virtual usando o nome de domínio totalmente qualificado, <https://va-hostname.domain.name:5480>.
- 4 Log in with the user name root and the password you specified when the appliance was deployed.
- 5 Clique na guia **Atualizar**.
- 6 Clique em **Configurações**.
- 7 Em Repositório de Atualização, selecione **Usar Atualizações de CDROM**.

8 Clique em **Salvar Configurações**.

Próximo passo

- [“Install the Update on the Identity Appliance”](#), na página 25.
- Se você concluiu a atualização para o Identity Appliance ou se usa outro appliance da VMware para oferecer suporte aos recursos de Single Sign-On, vá para [“Install the Update on the vRealize Automation Appliance”](#), na página 26.

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 21
- [“Upgrade a vSphere SSO to PSC for Use with vRealize Automation,”](#) on page 23

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 [Capítulo 6, “Upgrading to vCenter Platform Services Controller”](#), na página 21.

Este capítulo inclui os seguintes tópicos:

- [“Install the Update on the Identity Appliance,”](#) on page 25
- [“Install the Update on the vRealize Automation Appliance,”](#) on page 26

## 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.
- [“Desligar os serviços do vCloud Automation Center no seu Windows Server do IaaS,”](#) on page 17.

### Procedure

- 1 Log in to the Identity Appliance management console and open the **Update** tab.
  - a Vá para o console de gerenciamento do seu appliance virtual usando o nome de domínio totalmente qualificado, `https://va-hostname.domain.name:5480`.
  - b Log in with the user name root and the password you specified when the appliance was deployed.
  - c Click the **Update** tab.
- 2 Clique em **Verificar atualizações** para verificar se uma atualização pode ser acessada.
- 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 26.

## 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, [“Desligar os serviços da implantação atual,”](#) 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 Vá para o console de gerenciamento do seu appliance virtual usando o nome de domínio totalmente qualificado, <https://va-hostname.domain.name:5480>.
  - b Log in with the user name root and the password you specified when the appliance was deployed.
  - c Click the **Update** tab.
- 2 Clique em **Status**.
- 3 Clique em **Verificar atualizações** para verificar se uma atualização pode ser acessada.
- 4 (Optional) Para instâncias do vRealize Appliance, clique em **Detalhes** na área Versão do appliance para ver informações sobre o local das notas de versão.
- 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 *Administração do sistema*.
- 6 Click **Install Updates**.

- 7 Clique em **OK**.

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, “Atualizando o servidor IaaS,”](#) on page 29.



# Atualizando o servidor IaaS

---

Um administrador do sistema atualiza os componentes do servidor IaaS e o banco de dados SQL.

Atualize o banco de dados SQL para IaaS usando o comando `DBUpgrade` e os componentes do servidor IaaS usando o instalador do IaaS.

---

**OBSERVAÇÃO** Você deve atualizar o banco de dados antes de atualizar o servidor IaaS e os componentes dele.

---

Este capítulo inclui os seguintes tópicos:

- “Upgrade the Database,” on page 29
- “Fazer download do instalador do IaaS”, na página 31
- “Upgrade the IaaS Components,” on page 32

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

## Fazer download do instalador do IaaS

Faça download do instalador do IaaS para a máquina na qual os componentes do IaaS a serem atualizados estão instalados.

Se receber avisos de certificado durante tal procedimento, você poderá ignorá-los.

### Pré-requisitos

- Verifique se o Microsoft .NET Framework 4.5.1 ou posterior está instalado na máquina de instalação do IaaS. Você pode baixar o instalador do .NET na página da Web do instalador do vRealize Automation.
- Se você estiver usando o Internet Explorer para fazer o download, verifique se a Configuração de Segurança Reforçada está ativada. Consulte <res://iesetup.dll/SoftAdmin.htm>.
- Faça login como um administrador local no servidor Windows no qual um ou mais componentes do IaaS a serem atualizados estão instalados.
- Os componentes do IaaS a serem atualizados devem fazer parte do vRealize Automation 6.0.1. Se eles forem do vRealize Automation 6.0, você deverá atualizá-los para o vRealize Automation 6.0.1 antes que você possa continuar a atualização.

### Procedimentos

- 1 Abra um navegador da Web.
- 2 Insira a URL da página de download do instalador do Windows.  
Por exemplo, <https://vcac-va-nomedohost.dominio.nome:5480/installer>, onde *vcac-va-nomedohost.dominio.nome* é o nome do host do vRealize Appliance.
- 3 Clique no link **Instalador do IaaS**.
- 4 Quando solicitado, salve o arquivo de instalação `setup__vcac-va-nomedohost.dominio.nome@5480.exe` na área de trabalho.

Não altere o nome do arquivo. Ele é utilizado para conectar a instalação com o vRealize Appliance.

## 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

- [“Desligar os serviços do vCloud Automation Center no seu Windows Server do IaaS,”](#) on page 17
- [“Fazer download do instalador do IaaS,”](#) on page 31.
- [“Upgrade the Database,”](#) on page 29.

### 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 Clique com o botão direito do mouse no arquivo de instalação `setup__vra-va-nomedohost.domínio.nome@5480.exe` e selecione **Executar como administrador**.
- 3 Clique em **Avançar**.
- 4 Aceite o contrato de licença e clique em **Avançar**.



- 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 Selecione **Aceitar Certificado**.
- 7 Select **Upgrade** on the Installation Type page and click **Next**.
- 8 Configure the upgrade settings.

| Option                                                                                   | Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>If you are upgrading the Model Manager Data</b>                                       | Select the <b>Model Manager Data</b> 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.                                                                                                                                                                                                                                                                                                                                               |
| <b>If you are not upgrading the Model Manager Data</b>                                   | Unselect the <b>Model Manager Data</b> check box in the vCAC Server section.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>To preserve customized workflows as the latest version in your Model Manager Data</b> | If you are upgrading the Model Manager Data, select the <b>Preserve my latest workflow versions</b> 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.<br><br>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> . |
| <b>If you are upgrading a Distributed Execution Manager or a proxy agent</b>             | Enter the credentials for the administrator account in the Service Account section. All of the services that you upgrade run under this account.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>To specify your Microsoft SQL Server database</b>                                     | If you are upgrading the Model Manager Data, enter the names of the database server and database instance in the <b>Server</b> text box in the Microsoft SQL Server Database Installation Information section. Use a fully qualified domain name (FQDN) for the database server name.<br><br>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 Clique em **Avançar**.
- 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 Clique em **Avançar**.
- 12 Clique **Concluir**.
- 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.

# Tarefas de pós-atualização para o vRealize Automation

# 9

Após a atualização do vRealize Automation, execute as tarefas de pós-atualização necessárias.

Este capítulo inclui os seguintes tópicos:

- [“Aplicar a identidade visual do vRealize Automation”](#), na página 35
- [“Configuração de porta para implantações de alta disponibilidade”](#), na página 36
- [“Enabling the Connect to Remote Console Action for Consumers,”](#) on page 36
- [“Update Customized Workflows,”](#) on page 36

## Aplicar a identidade visual do vRealize Automation

A identidade visual do vCloud Automation Center permanece na página de login do console após o upgrade do vCloud Automation Center 6.1 para o vRealize Automation 6.2.

Você pode atualizar o console de login para usar a identidade visual do vRealize Automation. Observe que este procedimento define a identidade visual padrão do vRealize Automation. Ele não define a identidade visual específica do cliente.

### Pré-requisitos

Faça o upgrade para o vRealize Automation 6.2 antes de iniciar este procedimento.

### Procedimentos

- 1 Navegue até o console de gerenciamento do vRealize Appliance usando o respectivo nome de domínio totalmente qualificado, `https://vra-va-hostname.domain.name:5480`.
- 2 Faça login usando o nome de usuário raiz e a senha que você especificou quando o dispositivo foi implantado.
- 3 Clique na guia **Configurações do vRA**.
- 4 Clique em **SSO**.
- 5 Insira as configurações do servidor SSO. Essas configurações devem corresponder àquelas que você inseriu quando configurou o dispositivo SSO.
  - a Digite o nome de domínio totalmente qualificado do dispositivo SSO no formato `sso-va-hostname.domain.name` na caixa de texto **Host do SSO**. Não use um prefixo `https://`. Por exemplo, `vra-sso-mycompany.com`.
  - b O número de porta padrão, 7444, é exibido na caixa de texto **Host do SSO**. Edite esse valor se você estiver usando uma porta que não seja padrão.
  - c Não modifique o nome de tenant padrão, `vsphere.local`.

- d Digite o nome de administrador padrão, **administrator@vsphere.local**, na caixa de texto **Usuário administrador do SSO**.
- e Digite a senha de administrador do SSO na caixa de texto **Senha de administrador do SSO**.
- 6 Selecione **Aplicar Identidade Visual**.
- 7 Clique em **Salvar Configurações**.

Após alguns minutos, uma mensagem de êxito será exibida, e o Status de SSO será atualizado para Conectado.

O console de login usa a identidade visual do vRealize Automation.

## Configuração de porta para implantações de alta disponibilidade

Depois de terminar um upgrade em uma implantação de alta disponibilidade, você deve configurar o balanceador de carga para passar o tráfego na porta 8444 para o vRealize Appliance, a fim de oferecer suporte a recursos de console remoto.

## 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.

# Solucionando problemas de atualização

# 10

Os tópicos de solução de problemas de atualização oferecem soluções para problemas que você pode encontrar ao atualizar o vRealize Automation.

Este capítulo inclui os seguintes tópicos:

- [“A instalação ou a atualização falha com um erro de tempo limite do balanceador de carga”](#), na página 37
- [“Falha na atualização do componente do site durante a atualização do IaaS”](#), na página 38
- [“Nomes de guia incorretos são exibidos de forma intermitente”](#), na página 38
- [“Changes Made to /etc/hosts Files Might Be Overwritten,”](#) on page 38
- [“vRealize Automation Requires vsphere.local as the Default Tenant Name,”](#) on page 39
- [“After Upgrade, Services on the Services Tab of the vRealize Automation Appliance Management Console Do Not Display Properly,”](#) on page 39

## A instalação ou a atualização falha com um erro de tempo limite do balanceador de carga

Uma instalação ou atualização do vRealize Automation para um ambiente distribuído com um balanceador de carga falha com um erro 503, serviço indisponível.

### Problema

A instalação ou atualização falha porque a configuração de tempo limite balanceador de carga não permite tempo suficiente para que a tarefa seja concluída.

### Causa

Uma configuração insuficiente de tempo limite do balanceador de carga pode causar falhas. Você pode corrigir o problema aumentando a configuração de tempo limite do balanceador de carga para 100 segundos ou mais e executando novamente a tarefa.

### Solução

- 1 Aumente o valor do tempo limite do balanceador de carga para pelo menos 100 segundos. Por exemplo, dependendo do balanceador de carga que você está usando, edite a configuração do tempo limite do balanceador de carga no seu arquivo `ssl.conf`, `httpd.conf` ou em outro arquivo de configuração da Web.
- 2 Execute novamente a instalação ou atualização.

## Falha na atualização do componente do site durante a atualização do IaaS

A atualização do IaaS falha e você não pode continuá-la.

### Problema

O instalador não pode atualizar o arquivo `web.config`.

### Causa

Isso ocorre quando a data de criação do arquivo `web.config` é a mesma ou posterior à data de modificação.

### Solução

- 1 Antes de iniciar a atualização, abra o arquivo `web.config` em um editor de uma conta com privilégios elevados.
- 2 Salve o arquivo para alterar o carimbo de data para modificação.
- 3 Verifique se a data de modificação do arquivo `web.config` é posterior à data de criação.
- 4 Execute a atualização do IaaS.

## Nomes de guia incorretos são exibidos de forma intermitente

As guias do IaaS e outras guias podem ser rotuladas incorretamente.

### Problema

Após a atualização de um ambiente de alta disponibilidade do vCloud Automation Center 6.0.x ou 6.1 para o vRealize Automation 6.2, guias podem ser exibidas com nomes incorretos de forma intermitente.

### Solução

Reinicie todos os appliances virtuais do vRealize Automation para restaurar os nomes corretos das guias.

## 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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