Upgrading to vCloud Automation Center 6.1

vCloud Automation Center 6.1

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Upgrading to vCloud Automation Center 6.1

Upgrading to vCloud Automation Center 6.1 tells you how to download and install updates to upgrade VMware vCloud Automation Center 6.0.1.x to vCloud Automation Center 6.1.

vCloud Automation Center 6.0.1.x includes vCloud Automation Center 6.0.1 and subsequent hot fixes.

NOTE Not all features and capabilities of vCloud Automation Center are available in all editions. For a comparison of feature sets in each edition, see https://www.vmware.com/products/vcloud-automation-center/.

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 *Upgrading to vCloud Automation Center 6.1* guide for vCloud Automation Center is updated with each release of the product or when necessary.

This table provides the update history of the *Upgrading to vCloud Automation Center 6.1* guide.

Revision	Description
EN-001443-03	Added troubleshooting topic for fixing incorrect tab names. See "Incorrect Tab Names Appear Intermittently," on page 27.
EN-001443-02	Editorial changes and instructions on upgrading IaaS databases on non-default ports. See "Upgrade the Database," on page 21.
EN-001443-01	Migration topics for Application Services have been moved to *Using Application Services*.
	Order of upgrade for vCloud Automation Center and VMware vCenter Orchestrator when using an external vCenter Orchestrator appliance in a deployment has been added to the topic "Prerequisites for Upgrading to vCloud Automation Center 6.1," on page 10.
	New information on disconnecting some virtual appliances from a load balancer while updating multiple virtual appliances is available in the topic "Install the Update on the vCloud Automation Center Appliance," on page 16.
EN-001443-00	Initial release.

Upgrading to vCloud Automation Center 6.1

1

Upgrading is a multistage process in which procedures must be performed in a particular order. Follow the suggested processes to ensure a smooth upgrade with a minimum of system downtime.

This chapter includes the following topics:

Checklist for Upgrading to vCloud Automation Center 6.1

Upgrading is a multistage process in which you upgrade virtual appliances, vCloud Automation Center databases, and IaaS services.

The Upgrade tovCloud Automation Center 6.1 Checklist 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.

Table 1-1. Upgrade to vCloud Automation Center 6.1 Checklist

Task	Instructions	Notes
❑ Complete and verify all prerequisites for the upgrade.	See "Prerequisites for Upgrading to vCloud Automation Center 6.1," on page 10.	
❑ If you are upgrading a distributed deployment that uses a load balancer, shut down the vco-service on each vCloud Automation Center Appliance.	See "Shut Down Services on the vCloud Automation Center Appliance," on page 11.	
❑ Shut down services on your IaaS Windows Servers.	See "Shut Down vCloud Automation Center Services on Your IaaS Windows Server," on page 12.	
❑ Check for updates to the Identity Appliance.	See "Downloading Virtual Appliance Updates," on page 12.	
❑ Install the 6.1 update on the Identity Appliance.	See "Install the Update on the Identity Appliance," on page 15.	
❑ Check for updates to the vCloud Automation Center Appliance.	See "Downloading Virtual Appliance Updates," on page 12.	
❑ Install the 6.1 update on each vCloud Automation Center Appliance in your installation.	See "Install the Update on the vCloud Automation Center Appliance," on page 16.	

Table 1-1. Upgrade to vCloud Automation Center 6.1 Checklist (Continued)

Task	Instructions	Notes
❑If you are upgrading a distributed deployment that uses a load balancer, recreate your appliance cluster.	See Chapter 4, "Recreate vCloud Automation Center Appliance Clusters after Upgrading," on page 19.	
❑ Update the IaaS database.	See "Upgrade the Database," on page 21	
❑ Download and install updates for IaaS.	See Chapter 5, "Upgrading the IaaS Server," on page 21	

Prerequisites for Upgrading to vCloud Automation Center 6.1

Before you run the upgrade, review the prerequisites.

General Prerequisites

The following prerequisites must be met for all upgrades to vCloud Automation Center 6.1.

- Verify that vCloud Automation Center 6.0.1 is fully installed and configured.
- Verify that your site meets 6.1 system requirements for installation. See the *vCloud Automation Center Support Matrix* on the VMware Web site.
- Verify that Microsoft Distributed Transaction Coordinator(MSDTC) is enabled on all vCloud Automation Center and associated SQL servers by complying with instructions in 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/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=2089503.
- Consult the *VMware Interoperability Matrix* for information about compatibility with other VMware products.
- Back up configuration files in the `/etc/vcac` and `/etc/vco` directories on appliances and back up all databases.
- Create a snapshot of your virtual appliances and IaaS servers.
- Perform the upgrade at a time when the system is not in heavy use.
- "Shut Down vCloud Automation Center Services on Your IaaS Windows Server," on page 12.

Configuration-specific Considerations

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

If your site uses ...	Take this action
vSphere single sign-on server (SSO)	If you are using a vSphere SSO, verify that it is a supported version and at the correct patch level. See the *vCloud Automation Center Support Matrix* for information about supported versions.
vCloud Automation Center Designer	If your site includes vCloud Automation Center Designer, uninstall it. After the upgrade is finished, install the 6.1 version provided on the VMware Appliance Install download page. See the *Extensibility Guide* for vCloud Automation Center 6.1.
An external vCenter Orchestrator appliance	If your deployment uses an external vCenter Orchestrator appliance and it is connected to the Identity Appliance, upgrade vCenter Orchestrator before you upgrade vCloud Automation Center.

Preparing to Upgrade vCloud Automation Center 2

You must download updates for the virtual appliances and shut down services on instances of your vCloud Automation Center Appliance and IaaS servers before you begin the upgrade.

This chapter includes the following topics:

Shut Down Services on the vCloud Automation Center Appliance

For high-availability deployments, in which multiple appliances are deployed and configured behind a load balancer, ensure that the `vco-server` service is disabled on each vCloud Automation Center Appliance before you begin the upgrade.

IMPORTANT Do not perform these steps if you are upgrading a minimal deployment.

Prerequisites

All CD-ROM drives you use in your upgrade must be enabled. See the vSphere documentation center for information about adding a CD-ROM drive to a virtual machine in the vSphere client.

Procedure

1 Log in to the vCloud Automation Center Appliance with SSH.

2 Disable the `vco-server` service.

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

Perform this step for all instances of vCloud Automation Center Appliance in your deployment.

3 Stop the vcac-server service on all instances of vCloud Automation Center Appliance except for the first instance you plan to upgrade.

```
service  vcac-server stop
```

Do not reboot the appliance or start these services until after you have upgraded each vCloud Automation Center Appliance.

What to do next

"Shut Down vCloud Automation Center Services on Your IaaS Windows Server," on page 12.

Shut Down vCloud Automation Center Services on Your IaaS Windows Server

Before you begin the upgrade, shut down services on your IaaS Windows Server.

For distributed installations, shut down vCloud Automation Center services for all servers that are running IaaS services.

Procedure

1 Log in to your IaaS Windows Server.

2 Select **Start > Administrative Tools > Services**.

3 Shut down services in the following order.

   a All VMware vCloud Automation Center agents

   b All VMware DEM workers

   c VMware DEM orchestrator

   d VMware vCloud Automation Center Manager Service

What to do next

Choose a method for downloading the virtual appliance updates. See "Downloading Virtual Appliance Updates," on page 12 for more information.

Downloading Virtual Appliance Updates

You can check for updates from the client management page for your appliance and download the updates by using one of several methods.

- Download Virtual Appliance Updates from a VMware Repository on page 12

  You can download the update for your virtual appliance from a public repository on the vmware.com Web site.

- Download Virtual Appliance Updates from an Internal Repository on page 13

  If your Internet access is restricted, you can set up your own internal repository for updates, instead of getting updates from a VMware public repository. You can download updates as a zipped update bundle.

- Download Virtual Appliance Updates for Use with a CD-ROM Drive on page 13

  You can update your virtual appliance from an ISO file that the appliance reads from the virtual CD-ROM drive.

Download Virtual Appliance Updates from a VMware Repository

You can download the update for your virtual appliance from a public repository on the vmware.com Web site.

Procedure

1 Go to the management console for your virtual appliance by using its fully qualified domain name, 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 Click the **Update** tab.

4 Click **Settings**.

5 (Optional) Set how often to check for updates in the Automatic Updates panel.

6 Select **Use Default Repository** in the Update Repository panel.

The default repository is set to the correct VMware.com URL.

7 Click **Save Settings**.

What to do next

- "Install the Update on the Identity Appliance," on page 15.
- If you have completed the update to the Identity Appliance or if you use another VMware appliance to support Single Sign-On capabilities, go to "Install the Update on the vCloud Automation Center Appliance," on page 16.

Download Virtual Appliance Updates from an Internal Repository

If your Internet access is restricted, you can set up your own internal repository for updates, instead of getting updates from a VMware public repository. You can download updates as a zipped update bundle.

Procedure

1 Download the zipped update bundle from the vmware.com Web site.

2 Create a repository directory under the root directory on your chosen server.

3 Extract the zipped bundle to the repository directory.

4 Go to the management console for your virtual appliance by using its fully qualified domain name, https://*va-hostname.domain.name*:5480.

5 Log in with the user name root and the password you specified when the appliance was deployed.

6 Click the **Update** tab.

7 Click **Settings**.

8 Select **Use Specified Repository** in the Update Repository panel.

9 Enter the URL of the repository you created in the **Repository URL** text box.

For example, if the repository directory is `vcac_update_repo`, the URL should be similar to `http://web_server_name.your_company.com/vcac_update_repo`.

10 Click **Save Settings**.

What to do next

- "Install the Update on the Identity Appliance," on page 15.
- If you have completed the update to the Identity Appliance or if you use another VMware appliance to support Single Sign-On capabilities, go to "Install the Update on the vCloud Automation Center Appliance," on page 16.

Download Virtual Appliance Updates for Use with a CD-ROM Drive

You can update your virtual appliance from an ISO file that the appliance reads from the virtual CD-ROM drive.

If your CD-ROM drive is not enabled, see the vSphere documentation center for information about adding a CD-ROM drive to a virtual machine in the vSphere client. All CD-ROM drives you use in your upgrade must be enabled before any vCloud Automation Center Appliances are updated.

Prerequisites

"Shut Down Services on the vCloud Automation Center Appliance," on page 11

Procedure

1 Download the update ISO file from the vmware.com Web site.

2 Connect the CD-ROM drive for the virtual appliance you are updating to the ISO file you downloaded.

3 Go to the management console for your virtual appliance by using its fully qualified domain name, 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 Click the **Update** tab.

6 Click **Settings**.

7 Under Update Repository, select **Use CD-ROM Updates**.

8 Click **Save Settings**.

What to do next

- "Install the Update on the Identity Appliance," on page 15.
- If you have completed the update to the Identity Appliance or if you use another VMware appliance to support Single Sign-On capabilities, go to "Install the Update on the vCloud Automation Center Appliance," on page 16.

Installing the Virtual Appliance Updates

3

After you complete the prerequisites for upgrading and download the update, you install the update for the Identity Appliance and for all instances of the vCloud Automation Center Appliance.

If you are using another VMware appliance for single sign-on capabilities in place of the Identity Appliance, you do not need to update it.

This chapter includes the following topics:

Install the Update on the Identity Appliance

You install the update on the Identity Appliance before you update the vCloud Automation Center Appliance.

Single sign-on (SSO) hosts are specified differently in vCloud Automation Center 6.0 and 6.1. In 6.0, the host name includes port information. In 6.1, port information is not included when you specify the host name.

Be certain to leave the 6.0 hostname form for remote SSO hosts when you upgrade. This form includes the SSO port suffix, :7444, as part of the name.

Prerequisites

- Select a download method and download the update. See "Downloading Virtual Appliance Updates," on page 12.
- For high-availability deployments, see "Shut Down Services on the vCloud Automation Center Appliance," on page 11.
- "Shut Down vCloud Automation Center Services on Your IaaS Windows Server," on page 12.

Procedure

1 Log in to the Identity Appliance management console and open the **Update** tab.

   a Go to the management console for your virtual appliance by using its fully qualified domain name, 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 Click **Check Updates** to verify that an update is accessible.

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 vCloud Automation Center Appliance," on page 16.

Install the Update on the vCloud Automation Center Appliance

You install the update on the vCloud Automation Center Appliance after you upgrade and reboot the Identity Appliance. Apply the update to each instance of vCloud Automation Center Appliance that is part of your installation.

Repeat this procedure for each vCloud Automation Center Appliance in your installation. Wait for the reboot to complete on one appliance before starting the upgrade on another.

For deployments that use load balancers, make sure only the upgraded server is active in the load balancer pool and set the appliances you have not yet upgraded to offline or disabled in your load balancer.

For deployments that use clusters, make note of the order in which you upgrade the virtual appliances. The last virtual appliance you update must be the first virtual appliance you specify when you create a cluster after you upgrade the individual virtual appliances.

Prerequisites

- Select a download method and download the update. See "Downloading Virtual Appliance Updates," on page 12.
- For high-availability deployments, "Shut Down Services on the vCloud Automation Center Appliance," on page 11.
- Verify that the identity server is running.

Procedure

1 Log in to the vCloud Automation Center Appliance management console and click the **Update** tab.

a Go to the management console for your virtual appliance by using its fully qualified domain name, 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 Click **Status**.

3 Click **Check Updates** to verify that an update is accessible.

4 (Optional) For instances of vCloud Automation Center Appliance, click **Details** in the Appliance Version area to see information about the location of release notes.

5 Click **Install Updates**.

6 Click **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.

7 Reboot the virtual appliance.

   a Click the **System** tab.

   b Click **Reboot** and confirm your selection.

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

9 Verify that services are running.

   a Log in to the vCloud Automation Center 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.

What to do next

If you are upgrading an installation that uses a vCloud Automation Center 6.1 cluster, you must recreate the cluster after completing the upgrade for the virtual appliances. See Chapter 4, "Recreate vCloud Automation Center Appliance Clusters after Upgrading," on page 19. Clusters are required for distributed deployments that use load balancers and more than one instance of a vCloud Automation Center Appliance.

If you are upgrading an installation that does not uses clusters, your next step is to download and install the upgrade for the IaaS server. See Chapter 5, "Upgrading the IaaS Server," on page 21.

Recreate vCloud Automation Center Appliance Clusters after Upgrading 4

Distributed installations that use load balancers support the use of more than one vCloud Automation Center Appliance. Each of these appliances must belong to a cluster. You must recreate the appliance cluster after you complete the upgrade for instances of vCloud Automation Center Appliance.

You join a vCloud Automation Center Appliance to a cluster from the management console. The join operation copies appliance configuration information for the cluster to the appliance you are adding to the cluster, including certificate, SSO, licensing, database, and messaging information.

Perform this task from the management console of each server you want to join to the cluster except for the leading cluster node.

The join operation is not required for the leading cluster node because the join operation links the leading cluster node with the node from whose manangement console you are working, which makes both nodes part of the same cluster. After an appliance is part of the cluster, you can specify its FQDN as the leading cluster node.

A cluster must consist of two or more appliances. Do not use this procedure for a deployment with a single vCloud Automation Center Appliance.

Prerequisites

"Install the Update on the vCloud Automation Center Appliance," on page 16.

Procedure

1 Navigate to the vCloud Automation Center Appliance management console by using its fully qualified domain name, https://*vcac-va-hostname.domain.name*:5480/.

2 Continue past any certificate warnings.

3 Log in with user name root and the password you specified when deploying the vCloud Automation Center Appliance.

4 Select **vCAC Settings > HA**.

5 Enter the FQDN of a previously configured vCloud Automation Center Appliance in the **Leading cluster node** text box.

   You can use the FQDN of the primary vCloud Automation Center Appliance, or any vCloud Automation Center Appliance that is already joined to the cluster.

6 Type the root password in the **Password** text box.

7 Click **Join Cluster**.

8 Continue past any certificate warnings.

   Services for the cluster are restarted.

9 Verify that services are running.

a Click the **Services** tab.

b Click the **Refresh** tab to monitor the progress of service start up.

You should see a list of about twenty-one registered services.

What to do next

Download and install the upgrade for the IaaS server. See Chapter 5, “Upgrading the IaaS Server,” on page 21.

Upgrading the IaaS Server 5

A system administrator can upgrade the IaaS server components and the database from vCloud Automation Center 6.0.1 to vCloud Automation Center 6.1.

You upgrade the IaaS server components with the IaaS Installer. To upgrade earlier versions of IaaS components to vCloud Automation Center 6.1, you must upgrade them first to vCloud Automation Center 6.0.1. For information about how to upgrade IaaS components from 6.0 to 6.0.1, see *Upgrading vCloud Automation Center from 6.0 to 6.0.1*.

You upgrade the database with the `DBUpgrade` command.

NOTE You must upgrade the database before you upgrade the IaaS server and its components.

This chapter includes the following topics:

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 vCloud Automation Center database and the port number is 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.

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 vCloud Automation Center Appliance.

2 Click **database upgrade scripts** in the manual database upgrade from 6.0.1 to 6.1 item under IaaS Installation.

3 Extract the contents of the `DBUpgrade.zip` archive file to a local folder on the vCloud Automation Center database host, or to another location with network access to the database host.

4 In a 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 *dbserver* 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 vCloud Automation Center database *dbname*.
-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 `dbupgrade.log` 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 vCAC database 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.

Download the IaaS Installer

You download the IaaS installer to the machine where the IaaS components to be upgraded are installed.

If you see certificate warnings during this procedure, you can ignore them.

Prerequisites

- Verify that Microsoft .NET Framework 4.5.1 is installed on the IaaS installation machine. You can download the .NET installer from the vCloud Automation Center installer Web page.
- If you are using Internet Explorer for the download, verify that Enhanced Security Configuration is not enabled. See `res://iesetup.dll/SoftAdmin.htm`.
- Log in as a local administrator to the Windows server where one or more of the IaaS components to be upgraded are installed.
- The IaaS components to be upgraded must be part of vCloud Automation Center 6.0.1. If they are from vCloud Automation Center 6.0, then you must upgrade them to vCloud Automation Center 6.0.1 before you can proceed with this upgrade.

Procedure

1 Open a Web browser.

2 Enter the URL for the Windows installer download page.

  For example, **`https://vcac-va-hostname.domain.name:5480/installer`**, where *vcac-va-hostname.domain.name* is the name of the vCloud Automation Center Appliance host.

3 Click the **IaaS installer** link.

4 When prompted, save the installer file, setup__*vcac-va-hostname.domain.name*@5480.exe, to the desktop.

  Do not change the file name. It is used to connect the installation to the vCloud Automation Center 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**	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.
3	**DEM orchestrator and workers**	Upgrade all DEM orchestrators and workers.
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.

Prerequisites

- "Shut Down vCloud Automation Center Services on Your IaaS Windows Server," on page 12
- "Download the IaaS Installer," on page 23.
- "Upgrade the Database," on page 21.

Procedure

1 Right-click the `setup__vcac-va-hostname.domain.name@5480.exe` setup file that you downloaded and select **Run as administrator**.

2 Click **Next**.

3 Accept the license agreement and click **Next**.

4 Type the administrator credentials for the vCloud Automation Center Appliance on the Log In page and click **Next**.

The user name is root and the password is the password that you specified when you deployed the vCloud Automation Center Appliance.

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

6 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 when versions 6.0.1 or 6.1 do not match the version of 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 vCloud Automation Center 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 vCloud Automation Center Designer, see *Extensibility*.
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 by using the form *dbhost,SQL_port_number\SQLinstance*. The Microsoft SQL default port number is 1433.

7 Click **Next**.

8 Confirm that all of the 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.

9 Click **Next**.

10 Click **Finish**.

11 Verify that all vCloud Automation Center services restarted.

All of the selected components are upgraded to vCloud Automation Center 6.1.

Troubleshooting the Upgrade 6

The upgrade troubleshooting topics provide solutions to problems that you might encounter when upgrading vCloud Automation Center.

Incorrect Tab Names Appear Intermittently

IaaS tabs and other tabs might be labeled incorrectly.

Problem

After upgrading a high availability environment from vCloud Automation Center 6.0.x or 6.1 to vCloud Automation Center 6.2, tabs might intermittently appear with incorrect names.

Solution

Restart all the vCloud Automation Center virtual appliances to restore the correct tab names.

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