Install and Configure VMware vCenter Orchestrator 5.1 Quick Reference

VMware vCenter Orchestrator is a development- and process-automation platform that provides a library of extensible workflows to allow you to create and run automated, configurable processes to manage the VMware vSphere infrastructure as well as other VMware and third-party technologies.

Install vCenter Orchestrator 5.1

Install Orchestrator Standalone:

- Download the zip file for vCenter Server from the VMware downloads page at http://www.vmware.com/support/ and start the vCO installer by double-clicking the vCenterOrchestrator.exe.

Install Orchestrator as Part of vCenter Server

- You can install and upgrade Orchestrator during the vCenter Server installation or upgrade. When you install vCenter Server 5.1, Orchestrator 5.1 is silently installed on your system as an additional component and requires no further configuration.

Download and Deploy the vCO Appliance

1. Log in to the vSphere Client as an administrator and select **File > Deploy OVF Template**.
2. Enter the path or the URL to the .ovf file and click **Next**.
3. Follow the wizard.

If you install vCO as part of the vCenter Server or deploy a vCO appliance, you don't need to perform additional configuration.

Start the vCO Configurator

1. On the machine on which vCO is installed, select **Start > Programs > Administrative Tools > Services**.
2. In the Services window, right-click **VMware vCenter Orchestrator Configuration** and select **Start**.
3. Go to http://localhost:8282 in a Web browser and click **Orchestrator Configuration**.
4. Log in with the default credentials: User name: **vmware** and Password: **vmware**.
5. Change the default password and click **Apply changes**.

Select the Authentication Type

vCO 5.1 supports LDAP and SSO authentication.

1. Import the vCenter SSO or LDAP certificate.
2. Log in to the Orchestrator configuration interface as **vmware**.
3. Click **Authentication**.
4. From the **Authentication mode** drop-down menu, select SSO Authentication or LDAP Authentication.
5. Follow the wizard.

Note: If you want to use vCO through the vSphere Web Client, you must configure the Orchestrator to authenticate through SSO.

Configure the Network Connection

1. Click **Network**.
2. From the **IP address** drop-down menu, select the IP address to which you want to bind the Orchestrator server.
3. Set up the communication ports and click **Apply changes**.

Configure the vCO Database Connection

If your database uses SSL, first you must import the SSL certificate from the **SSL Trust Manager** tab in the vCO configuration interface and activate a secure connection between vCO and the database.

1. Click **Database**.
2. From the **Select the database type** drop-down menu, select the database type – Oracle, SQL Server, Postgre SQL, or vDB.
3. Define the database connection parameters and click **Apply changes**.
4. Build or update the table structure for Orchestrator.
5. Click **Apply changes**.

Configure the vCenter Server Plug-in

1. Click **vCenter Server**, and click the **New vCenter Server Host** tab.
2. From the **Available** drop-down menu, select **Enabled**.
3. In the **Host** text box, type the IP address or the DNS name of the machine on which the vCenter Server instance you want to add is installed.
4. In the **Port** text box, retain the default value, **443**.
5. Select the method you want to use to manage user access on the vCenter Server system - **Share a unique session** or **Session per user.**
6. Click **Apply changes**.

Import the vCenter Server SSL Certificate

1. Click **Network**.
2. In the right pane, click the **SSL Trust Manager** tab.
3. Load the vCenter Server SSL certificate in Orchestrator from a URL address
4. *https://*your_vc_server_IP_address *or* your_vc_server_IP_address:port
5. Or from a file:
6. C:\Documents and Settings\AllUsers\ApplicationData\VMware\VMware VirtualCenter\SSL\rui.crt
7. /etc/vmware/ssl/rui.crt
8. Click **Import**.

Default Configuration Ports

Port	Number	Protocol	Source	Targt
Look up port	8230	TCP	vCO client	vCO server
Command port	8240	TCP	vCO client	vCO server
Messaging port	8250	TCP	vCO client	vCO server
Data port	8244	TCP	vCO client	vCO server
HTTP server port	8280	TCP	End-user Web browser	Orchestrator server
HTTPS server port	8281	TCP	End-user Web browser	Orchestrator server
Orchestrator home page access port	8282	TCP	End-user Web browser	Orchestrator home page
Web configuration HTTPS access port	8283	TCP	End-user Web browser	Orchestrator configuration

Import the vCenter Server License

1. Click **Licenses** and on the **vCenter Server License** tab, specify the vCenter Server host on which Orchestrator must verify the license key.
   - Type the IP address or the DNS name
   - In the Port text box, leave the default value, 443.
   - In the Path text box, use the default value, /sdk.
   - In the User name and Password text boxes, type the credentials that Orchestrator must use to establish the connection to vCenter Server.
2. Click **Apply changes**.
3. Start the Orchestrator server.

Configure the Mail Plug-in

The Mail plug-in is installed with Orchestrator Server and is used for email notifications.

1. Click **Mail**.
2. Select the **Define default values** check box and fill in the required text boxes.
3. Click **Apply changes**.

Resources and Links

- http://www.vmware.com/support/pubs/orchestrator_pubs.html - vCO docs
- http://blogs.vmware.com/orchestrator/ - vCO blog
- http://www.vcoteam.info/ - Unofficial blog of the vCO team
- https://www.facebook.com/vmwarevco - VMware vCO Facebook page