

# Installation Guide

## Technology Preview: VMware VirtualCenter Administrator Portal (VCAP)

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### **Important Disclaimer:**

*The features within this Technology Preview are representative of feature areas under development. This Technology Preview represents no commitment from VMware to deliver these features in any generally available product. Feature commitments are subject to change, and must not be included in contracts, purchase orders, or sales agreements of any kind. Technical feasibility and market demand will affect final delivery.*

## Overview

VMware VirtualCenter Administrator Portal (VCAP) is a web-based console that provides a central view into the VMware Infrastructure environment across multiple vCenter Server (VirtualCenter) instances.

## Supported Platforms

VMware VirtualCenter Administrator Portal runs on the following platforms:

- Browsers: Internet Explorer 7, Mozilla Firefox 2.x / 3.0.1
- VI Client: VI Client 2.5 Update 2 (and higher)
- vCenter Servers: vCenter Server 2.x (version 2.0.2 and 2.5 and higher)

## Distribution Formats

- .war file: vcap-1.0.war
- .ovf file: vcap-ovf-1.0.zip
- .vmx file: vcap-appliance-1.0.zip

## Installation:

1. Install Apache Tomcat 6.0. Refer to the following documentation for details on how to install and run Apache Tomcat: <http://tomcat.apache.org/tomcat-6.0-doc>
2. Configure Apache Tomcat.
  - If Tomcat is configured to run as a Windows service, then open the configuration dialog, click the Java tab and set initial memory pool to 1024M, and maximum memory pool to 1536M.
  - If Tomcat is configured to run as a standalone servlet container, then set the environment variable `CATALINA_OPTS= $CATALINA_OPTS "-Xms1024M -Xmx1536M"`, or in the `catalina.sh` config file.

## Setup for Virtual Center Administrator Portal (VCAP):

1. Stop Apache Tomcat if it's running.
2. Place the vcap-1.0.war file into the <tomcat>\webapps folder.
3. Start Apache Tomcat. This will auto-deploy the VMware VirtualCenter Administrator Portal.
4. Stop Apache Tomcat.
5. Open <tomcat install directory>\webapps\vcap-1.0\config.xml, and enter the name of the vCenter Servers you would like to connect to within the <name></name> fields. Ensure that you have "/sdk" appended to the vCenter Server name.
6. Restart the Tomcat server by running, /etc/init.d/vcap restart
7. Connect from the browser using the following URL - http://<ipAddress>:<port>/vcap-1.0/ or http://<ipAddress>:<port>/vcap-1.0/index.html
8. Optional – The default refresh rate is set at 30 seconds. You can change the refresh rate if you want to fine tune the time interval for which updates are retrieved from the vCenter Server.

## Configuring and Running the Virtual Appliance

1. Run the virtual appliance in VMware Player or convert into a VM using VMware Converter, or import the .ovf file using VI Client.
2. Login to the appliance using root/vmware as the default username and password.
3. Open /usr/share/vcap/tomcat6/webapps/vcap/config.xml, and enter the name of the vCenter Servers you would like to connect to within the <name></name> fields. Ensure that you have "/sdk" appended to the vCenter Server name.
4. Connect from the browser using the following URL – http://<ipaddress of appliance>. The appliance is configured to use port 80.

## Configuring with SSL

- It is strongly suggested to configure the Tomcat server to run in SSL mode.
- Refer to the following documentation for how to install and configure SSL support on Apache Tomcat: <http://tomcat.apache.org/tomcat-6.0-doc/ssl-howto.html>

## Frequently Asked Questions

### **Q: What is the scalability of VMware VirtualCenter Administrator Portal?**

A: VMware VirtualCenter Administrator Portal has been tested to work with up to 10,000 virtual machines, and up to 10 vCenter Servers.

### **Q: How does VCAP implement roles and permissions?**

A: VMware VirtualCenter Administrator Portal utilizes the existing permissions setup in vCenter Servers. Credentials for users logged into VCAP are proxied through to the configured vCenter Servers. Users will have the same privileges on the vCenter servers as they would when connected via VI Client.