

[« ThinApp 4.6 is Now Available!](#)[VCAP Objective 5.1 : Implement and Maintain Host Profiles »](#)

VCAP-DCAINDEX

Another VCAP-DCA objective here. For a complete list of study objectives for the VCAP-DCA (VDCA-410) browse to <http://www.vfail.net/vcap-dca/>.

This is the first pass through the objective for troubleshooting vCenter Server and ESX(i) Host Management. . If you haven't already done so, download the zip file full of additional study resources from Kendrick Coleman's blog. These can be found at his [VCAP exam landing page](#). He has compiled a lot of resources and broken them down by objective, and these make great additional reading if you are not greatly familiar with any of the following.

Knowledge

Identify CLI commands and tools used to troubleshoot management issues

Skills and Abilities

Troubleshoot vCenter Server service and database connection issues

Troubleshooting vCenter server and db issues can be at times frustrating, but it is important to note as [this blog entry](#) did that your virtual center issue may not be like all the others you are reading about. Be cautious and check all the little things including the SQL server backend.

A good KB on this is for [Troubleshooting the Virtual Center Server Service when it fails to start](#).

Troubleshoot the ESX Service Console firewall

Quick reminder, this is for ESX only.

From the man pages for the esxcfg-firewall command:

esxcfg-firewall provides an interface to query and modify the service console firewall settings.

OPTIONS

-q -query

Displays the current firewall settings.

-q -query service name

Displays the state of the specified service.

-q -query incoming|outgoing

Displays the whether or not incoming/outgoing ports are blocked by default.

-s -services

Lists the known firewall services.

-l -load

Load the current firewall settings.

-r -resetDefaults

Resets all firewall parameters to their default values.

-blockIncoming

Block all incoming connections on non-required ports. This is the default.

-blockOutgoing

Block all outgoing connections on non-required ports. This is the default.

-allowIncoming

Allow incoming connections on all ports.

-allowOutgoing

Allow outgoing connections on all ports.

-e -enableService service

Opens the ports in the firewall required by the specified service.

-d -disableService service

GO



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Closes the ports in the firewall required by the specified service.

-o -openPort -AR -port,tcp|udp,in|out,name

Opens a port in the firewall. Closes a port previously opened by -openPort.

-h -help

Print a brief usage message.

EXAMPLES

esxcfg-firewall -query sshClient

esxcfg-firewall -openPort 873,tcp,in,"rsync"

esxcfg-firewall -enableService sshClient

Troubleshoot ESX/ESXi server management and connectivity issues

This VMworld presentation from last year goes through some good vCenter troubleshooting

<http://www.vmworld.com/docs/DOC-3969>

Determine the root cause of vSphere management or connectivity issue

Again you may see many issues that appear the same but are different then others. Refer to the [resolution paths](#) for some great information and troubleshooting steps on this.

Tools

- ☐ ESX Configuration Guide
- ☐ ESXi Configuration Guide
- ☐ vSphere Command-Line Interface Installation and Scripting Guide
- ☐ Product Documentation
- ☐ vSphere Client
- ☐ vSphere CLI
- ☐ o vicfg-*

Other relevant blogs and websites related to this section

<http://communities.vmware.com/servlet/JiveServlet/previewBody/9880-102-2-7747/SysMan.htm>

<http://myvirtualcloud.net/?p=163>

Lot's of good links for vCenter server here: <http://vsphere-land.com/tag/vcenter-server>

<http://vmware-land.com/esxcfg-help.html>

<http://www.yellow-bricks.com/2010/03/10/changing-the-directory-of-your-vsphere-vcenter-log-files/>

<http://answers.oreilly.com/topic/1627-how-to-open-and-close-a-firewall-port-via-the-console-on-a-vmware-server/>

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