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VCAP-DCA Objective 2.4 : Administer vNetwork Distributed Switch Settings

Knowledge

Identify vicfg-firewall commands

Explain the three firewall security levels

Identify ESX firewall architecture with/without vCenter Server

Skills and Abilities

Enable/Disable pre-configured services

- `esxcfg -e service`
- `esxcfg -d service`

Configure service behavior automation

Open/Close ports in the firewall

- Allow syslog outgoing traffic:

```
esxcfg-firewall -o 514,udp,out,syslog
```

- Close a port

```
esxcfg-firewall -c 514,udp,out,syslog
```

Create a custom service

http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1001081

<http://www.yellow-bricks.com/2007/12/31/howto-adding-a-firewall-service-on-esx/>

Set firewall security level

- View security level

```
esxcfg-firewall -q incoming
esxcfg-firewall -q outgoing
```

- Set medium security

```
esxcfg-firewall --allowOutgoing --blockIncoming
```

- Set low security

```
esxcfg-firewall --allowIncoming --allowOutgoing
```



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<http://bit.ly/byqscT> >good read
about 1 week ago

New blog post: VCAP-DCA Update
<http://bit.ly/b1DSLS>
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Just found out lab will goto 4.1 next year. Items like those discussed in my VMTN posting not covered on the current
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All VCAP-DCA Study notes now online at <http://bit.ly/9rnpHE>
Final PDF version done and will be posted next week.
about 1 week ago

Virtualization

Quote of the Day

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- Set high security (default)

```
esxcfg-firewall --blockIncoming --blockOutgoing
```

- Setting the level requires a restart of vmware-hostd

```
service mgmt-vmware restart
```

Tools

ESX Configuration Guide

ESXi Configuration Guide

vSphere Command-Line Interface Installation and Scripting Guide

Product Documentation

vSphere Client

vSphere CLI

vicfg-firewall

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Configuration
Maximums for
VMware

vSphere is my favorite VMware document. It answers many of the "How many", "How much" type questions about VI capabilities. This is one of the documents that will most often be updated as new releases of VMware VI are released so it's a good one to keep tabs on.

<http://www.vmware.com/pdf/vsphere4/r41>

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