



A S e r i e s F a i l u r e s

HOME ABOUT VCAP-DCA INDEX THINAPP VCDX STUFF OTHER PAGES VCAP-DCD INDEX

« Objective 8.2 – Administer vCenter Orchestrator

Objective 9.3 – Configure vCenter Server Linked Mode »

Objective 8.2 – Administer vCenter Orchestrator

Knowledge

- Identify default installation scripts
- Identify boot options for scripted installation

Skills and Abilities

- Perform a scripted ESX Host installation
- Perform a scripted ESXi Host installation
- Configure media repository
- Edit installation script parameters
- Configure pre/post script tasks
- Evaluate use cases for scripted installation

Tools

- ESX and vCenter Server Installation Guide
- Product Documentation
- ks-first-safe.cfg
- ks-first.cfg

Notes

Something on topic and cool is the ultimate deployment appliance mentioned by [Jeremy Waldrop](#) and [Mike Laverick](#). This appliance lets you install all types of base operating systems, now including VMware.

Identify default installation scripts

- When you install using a default installation script, the default root password is mypassword.
- The installation media contains the following default installation scripts:

ESXi

ks.cfg Installs ESXi on the first detected disk

ESX

ks-first-safe.cfg -Installs ESX on the first detected disk and preserves the VMFS datastores on the disk.

ks-first.cfg- Installs ESX on the first detected disk.

Additionally, after your first interactive installation of ESX, the installer creates a /root/ks.cfg script in the ESX filesystem. This script reflects the choices you made in the interactive installation.

Identify boot options for scripted installation

Perform a scripted ESX Host installation

- Use [this guide from VMware](#) to learn more about the syntax involved in creating scripted installation scripts.
- The installation script can reside in one of the following locations:

Default installation script
FTP

Search

GO



- > SRM (3)
- > ThinApp (16)
- > VCAP-DCA (38)
- > VMware (57)



MY LATEST TWEETS



vFAIL.NET [vfail.net](#)

97 followers

RT @PlanetV12n: To Trunk Or Not To Trunk? (vDestination)
<http://bit.ly/byqscT> >good read
about 1 week ago

New blog post: VCAP-DCA Update
<http://bit.ly/b1DSLS>
about 1 week ago

Just found out lab will goto 4.1 next year. Items like those discussed in my VMTN posting not covered on the current
<http://bit.ly/bYL2c6>
about 1 week ago

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

Web2PDF

converted by Web2PDFConvert.com

HTTP/HTTPS
NFS
USB flash drive
Local disk

Perform a scripted ESXi Host installation

Check out VMware's guide for [Deploying ESXi 4.1 using the Scripted Install](#) feature.

Some important things to note from it:

- You can boot the scripted installation with a CD-ROM drive or over the network using PXE booting
- It supports scripted installations of ESXi to local and remote disks
- All configuration directives initiated by the installation script are logged in the /var/log/weasel.log file of the ESXi host
- Scripted Install is available only with the Installer version of ESXi and is not available in the Embedded version of ESXi
- You cannot use Scripted Install to install ESXi Installable to a USB device

Additionally you will want to check out the [ESXi installable and vCenter Server Setup Guide](#).

Scripted installations include the following steps:

- Create a script using the supported commands.
- Edit the installation script as needed to change settings that are unique for each host.
- Run the scripted installation.

The installation script can reside in one of the following locations:

- Default installation script
- FTP
- HTTP/HTTPS
- NFS

When creating the script there are two main approaches you can take

- Create multiple scripts, each containing unique network identification information. The unique network information includes the static IP address and host name of each ESXi host.
- Create one script (or use a default script) that uses DHCP to set up multiple ESXi hosts. After you complete a scripted installation, you can configure each ESXi host separately to assign a unique host name and IP address. VMware recommends that you use static IP addresses.

Configure media repository

This [blog from Virtual Kenneth](#) goes through a lot of the above but additionally will give a good guide on setting up an ESXi source repository on a Windows box.

Another good set of blogs on the topic are from [Simon Long](#). The link is to the first of a three part series on rapid deployment of ESXi.

Configure pre/post script tasks

For the above topics read the guides to learn the proper configuration options if you do not already know them. Additionally you can use the output of a ESX installation to give you a good example of what a scripted installation file will look like based on the configuration options you are choosing. This file will be found at /root/ks.cfg

Evaluate use cases for scripted installation

Automating deployment which will save time and eliminate human error on the setup part.

Other relevant blogs and websites related to this section

http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1022308

<http://vinternals.com/2009/07/unattended-esxi-installation/>

- [Objective 9.3 – Configure vCenter Server Linked Mode](#)
- [Objective 8.2 – Administer vCenter Orchestrator](#)
- [VCAP-DCA Brownbag Session #1](#)
- [VCAP-DCA Objective 7.1 : Secure ESX\(i\) Hosts](#)
- [VCAP-DCA Objective 9.1 : Install ESX Server with Custom Settings](#)
- [VCAP-DCA Objective 3.5 – Utilize Advanced vSphere Performance Monitoring Tools](#)
- [VCAP-DCA Objective 3.4 – Perform Capacity Planning in a vSphere Environment](#)
- [VCAP-DCA Objective 3.3 – Implement and Maintain Complex DRS Solutions](#)
- [VCAP-DCA Objective 3.2 – Optimize Virtual Machine Resources](#)
- [VCAP-DCA Objective 3.1 – Tune and Optimize vSphere Performance](#)

 [VCAP-DCA](#), [VMware](#), [vsphere](#)



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>

Powered by
[The Printed Owl](#)

CATEGORIES

- » [SRM](#) (3)
- » [ThinApp](#) (16)
- » [VCAP-DCA](#) (38)
- » [VMware](#) (57)

Share
this
post!

Print
article

This entry was posted by [Sean Crookston](#) on October 12, 2010 at 7:00 am, and is filed under [VCAP-DCA](#), [VMware](#). Follow any responses to this post through [RSS 2.0](#). You can [leave a response](#) or [trackback](#) from your own site.

NO COMMENTS YET.

Mystique theme by [digitalnature](#) | Powered by [WordPress](#)

[RSS FEEDS](#)[XHTML 1.1](#)[TOP](#)[PR 0](#)