

VCAP-DCAINDEX

VNET

This is a fairly quick objective to run through. I recommend giving [Eric Siebert's blog article](#) a good read if you are not familiar with the requirements and concepts behind fault tolerance. Additionally Vladan Seget has [a great blog on troubleshooting FT](#).

Knowledge

☐ Identify VMware FT hardware requirements

Requires a Fault Tolerance capable processor and both hosts but have the same processor family. While the speeds don't have to match remember that FT relies on close synchronization so the closer they are the better.

☐ Identify VMware FT compatibility requirements

Same Build number for ESX(i) hosts

Gigabit NIC's

Common Shared Storage

Single Proc machine

Thin Provisioned disks not supported(automatically converted)

No snapshots

Skills and Abilities

☐ Modify VM and ESX/ESXi Host settings to allow for FT compatibility

☐ Use VMware best practices to prepare a vSphere environment for FT

Use the [VMware Site Survey utility](#) to check configuration compatibility with advanced features such as Fault Tolerance.

☐ Configure FT logging

Check the box on the virtual nic for "Use this virtual adapter for Fault Tolerance logging"

Separate NIC for FT Logging and vMotion recommended.

☐ Prepare the infrastructure for FT compliance

On the Summary page of each host you will see the status of Fault Tolerance and can view the requirements you will need to take action on there.

☐ Test FT failover, secondary restart and application fault tolerance in a FT Virtual Machine

Tools

☐ vSphere Availability Guide

☐ Product Documentation

☐ vSphere Client

Other relevant blogs and websites related to this section

<http://itknowledgeexchange.techtarget.com/virtualization-pro/masters-guide-to-vmware-fault-tolerance/>

http://www.vmware.com/files/pdf/resources/ft_virtualization_wp.pdf

<http://www.vladan.fr/troubleshooting-fault-tolerance-in-vsphere/>

- [VCAP-DCA Study Break](#)
- [VCAP-DCA Objective 5.2 : Deploy and Manage Complex Update Manager Environments](#)
- [VCAP Objective 5.1 : Implement and Maintain Host Profiles](#)



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