**vSphere 6 Foundations Exam Objective Coverage**

**Exam Number: 2V0-620**

This MindTap course was not intended as a certification course; however the concepts needed to understand the vSphere 6 exam objectives are introduced in the text and corresponding activities. While not an exam based course, this course will lay a good vSphere foundation upon which a student can then take an advanced VMware course or boot camp to provide more in depth coverage of the exam objectives and the required technical skill needed to pass the exam. The following table correlates the objectives for the vSphere 6 Foundations Exam sections to the modules and sections where they are covered in this MindTap MindTap course.

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| **Exam Section and Objective** | **ModuleMindTap Module and Section Heading** | |
| **Section 1: Install and configure vCenter Server and ESXi** | |  |
| Objective 1.1: Identify vSphere Architecture and Solutions for a given use case | Module 7 – Planning a vSphere Installation | |
| Objective 1.2: Install and configure vCenter Server | Module 8 – Working with vCenter Server | |
| Objective 1.3: Install and Configure ESXi | Module 4: Activity 4-4: Installing the vSphere Hypervisor (ESXi)  Module 7 – vSphere ESXi Hypervisor Installation and Configuration | |
| **Section 2: Configure vSphere Networking** | |  |
| Objective 2.1: Configure vSphere standard switches | Module 4: Understanding Virtual Switches  Module 7: Configuring Virtual Switches | |
| Objective 2.2: Configure vSphere Distributed Switches | Module 4: Virtual Networking in vSphere  Module 8: Creating a vCenter Server Data Center | |
| Objective 2.3: Configure vSS and vDS Features | Not covered in this edition | |
| **Section 3: Configure vSphere Storage** |  | |
| Objective 3.1: Connect Shared Storage Devices to vSphere | Module 1: Disk Support Features  Module 4: VMware vSphere Storage Features  Module 8: Implementing Shared Storage | |
| Objective 3.2: Configure Software Defined Storage | Module 4: Data Center Storage Systems - Virtual SAN  Introduction to VSAN | |
| Objective 3.3: Create and Configure VMFS and NFS Datastores | Module 4: Data Center Storage Systems  Activity 4-3: Setting up a Windows iSCSI Target  Module 8: Implementing Shared Storage  Module 8: Working with iSCSI Shared Storage | |
| **Section 4: Deploy and Administer Virtual Machines and Apps** | |  |
| Objective 4.1: Create and Deploy Virtual Machines | Module 7: Working with Virtual Machines | |
| Objective 4.2: Create and Deploy vApps | No coverage of vAPPs in this edition  Module 1: Application Virtualization  Introduction to vAPPS | |
| Objective 4.3: Manage Virtual Machines and vAPPS | Module 7: Working with Virtual Machines  Module 8: Working with vSphere Virtual Machines  No coverage of managing vAPPS in this edition | |
| Objective 4.4: Administer Virtual Machines and vAPPs | Module 7: Working with Virtual Machines  Module 8: Working with vSphere Virtual Machines  Module 9: Preparing Desktop Virtual Machine Template | |
| **Section 5: Establish and Maintain Availability and Resource Management Features** | |  |
| Objective 5.1: Create and Configure VMware Clusters | Module 4: Clustering and High Availability  Module 8: Migrating Virtual Machines between Hosts | |
| Objective 5.2: Plan and Implement VMware Fault Tolerance | Module 4: Clustering  Module 4: Clustering and High Availability  Module 8: Migrating Virtual Machines between Hosts | |
| Objective 5.3: Create and Administer Resource Pools | Resource pool are not covered in this edition. | |
| Objective 5.4: Migrate Virtual Machines | Module 8: Implementing Shared Storage  Module 8: Migrating Virtual Machines between Hosts | |
| Objective 5.5: Backup and Restore Virtual Machines | Module 8: Implementing Shared Storage  Students learn how to copy a VM to shared storage and the restore the VM on a different host. | |
| Objective 5.6: Update ESXi and Virtual Machines | No coverage of this objective in current book edition | |
| **Section 6: Perform Basic Troubleshooting** | |  |
| Objective 6.1 Perform Basic Troubleshooting of ESXI and vCenter servers | No coverage of this objective in current book edition | |
| Objective 6.2: Perform Basic Troubleshooting of ESXi and vCenter Operations | Module 7: Working with Virtual Machines  Module 8: Working with iSCSI Shared Storage | |
| Objective 6.3: Perform Basic Troubleshooting of Virtual Machine Operations | Module 7: Working with Virtual Machines  Module 8: Working with vSphere Virtual Machines | |
| Objective 6.4: Identify and Troubleshoot Basic Misconfigurations | Module 8: Implementing Shared Storage  Module 8: Working with iSCSI Shared Storage | |
| **Section 7: Monitor a vSphere Implementation** | |  |
| Objective 7.1: Monitor ESXi, vCenter Server and Virtual Machines | Module 4: Virtualization Security  Module 7: Working with the ESXi Consoles  Module 7: Virtual Network Switch Policies2  Module 8: Implementing Access Control Security  Module 10: Accessing vRealize Administrative Features | |
| Objective 7.2: Create and Administer vCenter Server Alarms | No coverage of this objective in current book edition | |
| Objective 7.3: Install, Configure, and Manage vCenter Operations Manager | No coverage of this objective in current book edition | |