vSphere: Troubleshooting Workshop [v5.5] – Lab Configuration Sheet – Student B

Lab Access Credentials

Your instructor will assign you a Cloud Labs username during class. Fill out the details in the fields below for easy reference.

Your Global Knowledge Cloud Labs platform credentials

Cloud Labs Username:	_____@gklabs	*This is the account you will use when connecting to the Global Knowledge Cloud Labs platform from your classroom. Your instructor will provide you with an account.*
Cloud Labs Password:	_____	

Your credentials to access your assigned lab equipment

Assigned desktop system name	**Student B Desktop**	*Shortcuts to the desktop systems for you and your partner are automatically created on your desktop.*
Your Desktop system username	vc02\administrator	*This is the account you will use to access your Student Desktop once you have connected to the Cloud Labs platform.*
Your Desktop system password	vmware1!	

Connecting to the Cloud Labs Platform

Open Internet Explorer and browse to https://gw1.labs.globalknowledge.net and login using your assigned **Cloud Labs** user account that your instructor provided to you (NB You ***must*** login using the username@domain format as shown in the table).

On the Remote Desktop configuration screen, click the **Connect** button. If any warning dialog appear, ignore by clicking **Connect**

On the first **Windows Security** dialog screen, enter your **Cloud Labs** credentials again, remembering to use the same username@domain format.

You may be prompted again by the **Windows Security** dialog screen to re-enter your credentials, this is because your connection needs to authenticate to two different systems (the RD Gateway and the Remote Desktop session host). If you are prompted again, re-enter your **Cloud Labs** credentials.

Accessing your assigned Lab Systems

Once you have connected to the Cloud Labs platform using your assigned credentials above, a **Welcome Screen** is displayed and will automatically finish the preparation of your lab equipment (if necessary). Once the automated preparation completes, the wizard will create shortcut icons to the Student Desktop systems available in your lab kit. Your assigned student desktop system is named **Student B Desktop**. The remaining shortcut on your desktop is for your partner's desktop system. **Do NOT** access your partner's system unless told to do so in the Lab Guide or if your instructor has permitted it.

If required, you can manage your assigned Virtual Training Pod by opening Internet Explorer and logging into the vCloud Director Interface using your **Cloud Labs** User credentials. The vCloud Director user interface provides console and power management capabilities to your Virtual Machines. You can login to vCloud Director by visiting https://cloud.gklabs.net/cloud/org/vmwarelabs from within your **Student Desktop** system. Use your **Cloud Labs** credential to login to vCloud Director, but *do not* include the **@gklabs** domain. Always consult with your lab partner before making any changes that could affect your vApp workspace!

Lab 1 – Adding the VMware vSphere Management Assistant to Active Directory

Preparing for the Lab

vCenter Server system name	vc02.vclass.local
vCenter Server user name	administrator
vCenter Server administrator password	vmware1!
vCenter Server license key	*-- ask your instructor! --*
vSphere Enterprise Plus license key	*-- ask your instructor! --*
vSphere Management Assistant (vMA) system name	vma.vclass.local
vMA user name	vi-admin
vMA vi-admin password	vmware1!
Active Directory domain name	vclass.local
Active Directory user name	administrator
Active Directory administrator password	vmware1!

Task 1: Access the desktop system

Step 1 Use the Remote Desktop shortcuts that were automatically created when you logged on to the cloud terminal server to access your Student Desktop/vCenter systems. There are no *separate desktop systems* provisioned. Ignore any RDP Certificate warnings if they appear.

Task 2: Verify that the vCenter Server service is started

vCenter Server and its dependencies will typically only fail to startup on systems earlier than 2008. Windows Server 2008 introduced the ***Automatic (delayed)*** start-up mechanism for services. As a result this task is unnecessary in our training environment.

Lab 2 – Using the Command Line to Review Configuration

Preparing for the Lab

VMware vSphere® Management Assistant IP Address	172.20.10.95
vSphere Management Assistant user name	vi-admin
vSphere Management Assistant user's password	vmware1!
VMware® vCenter Server™ system name	vc02.vclass.local
vCenter Server user name	administrator
vCenter Server user's password	vmware1!
VMware ESXi™ host name	esxi02.vclass.local
ESXi host root password	vmware1!
Virtual machine name	Win01B
VMware® vCloud Director 5.1 URL	http://cloud.gklabs.net/cloud/org/vmwarelabs
vCloud Director username	Your ***Cloud Labs username*** (do not include the @gklabs domain!)
vCloud Director password	Your **Cloud Labs password**

Lab 3 – Searching Log Files

Preparing for the Lab

VMware® vCenter Server™ system name	vc02.vclass.local
vCenter Server user name	administrator
vCenter Server user's password	vmware1!
VMware ESXi™ host name	esxi02.vclass.local
LUN for task 2	LUN: 0, Path: vmhba1:C0:T1:L0

Task 1: Make changes to the vSphere environment

Step 3 If the **Add Networking** option is unavailable, try disconnecting and re-connecting your ESXi host.

Lab 4 – Configuring SSL Certificates

Preparing for the Lab

OpenSSL system name	dc-ssl.vclass.local
OpenSSL system user name	administrator
OpenSSL system user's password	vmware1!
Certificate directory name	C:\Certs2
Desktop system name	vc02.vclass.local
Certificate automation tool directory	C:\SSL-Certificate-Updater-Tool
SSO Administrator user name	admin@vsphere.local
SSO Administrator password	**VM**ware1!
VMware® vCenter Server™ system name	vc02.vclass.local
vCenter Server user name	administrator
vCenter Server password	vmware1!
vCenter Server database password	vmware1!
VMware ESXi™ host name	esxi02.vclass.local
ESXi host root password	vmware1!
ESXi host certificate directory name	C:\Certs2\esxi01

Task 1: Access the desktop system

Step 1 Use the Remote Desktop Client to access the OpenSSL system.

Lab 5 – 13 - Network Scenarios

Preparing for the Labs

Desktop system name	vc02.vclass.local
Desktop user name	administrator
Desktop user's password	vmware1!
ESXi host name	esxi02.vclass.local
ESXi host root password	vmware1!
vCenter Server system name	vc02.vclass.local
vCenter Server user name	administrator
vCenter Server user's password	vmware1!
vSphere Web Client address	https://vc02.vclass.local:9443/vsphere-client

Lab 5: Virtual machine name	Win01B
Lab 6: Virtual machine name	Win07B
Lab 9: First and second virtual machines	Win01B and Win02B
Lab 10: Virtual machine name	*All VMs are affected!*
Lab 11: Virtual machine name	Win01B

Virtual machine user name	administrator
Virtual machine user's password	vmware
Virtual machine gateway address	172.20.11.10

Lab 14 to 22 – Storage Scenarios

Preparing for the Labs

Desktop system name	vc02.vclass.local
Desktop user name	administrator
Desktop user's password	vmware1!
ESXi host name	esxi02.vclass.local
ESXi host root password	vmware1!
vCenter Server system name	vc02.vclass.local
vCenter Server user name	administrator
vCenter Server user's password	vmware1!
vSphere Web Client address	https://vc02.vclass.local:9443/vsphere-client
Virtual machine name	Win07B
Virtual machine user name	administrator
Virtual machine user's password	vmware
Datastore name	Shared
Affected datastore name	Shared

Lab 23 to 33 – Cluster Scenarios

Preparing for the Labs

Desktop system name	vc02.vclass.local
Desktop user name	administrator
Desktop user's password	vmware1!
ESXi host name	esxi02.vclass.local
ESXi host root password	vmware1!
Team vCenter Server system name	vc01.vclass.local
Team vCenter Server user name	administrator
Team vCenter Server user's password	vmware1!
vSphere Web Client address	https://vc02.vclass.local:9443/vsphere-client

Lab 24: Virtual machine name	Win07B
Lab 25: Virtual Machine name	Win07B
Lab 28: Virtual Machine names	Win08B and Win09B
Lab 29: Virtual machine name	Win08B
Lab 31: Virtual machine name	Win09B
Lab 33: Virtual machine name	Win09B

Virtual machine user name	administrator
Virtual machine user's password	vmware

Lab 33 Task 5/6: Prepare for the ESXi/vCenter Server Labs

Step 1 Make sure that the VMs are registered on the correct hosts before removing the hosts from the cluster.

Lab 34 to 42 – vCenter Server and ESXi Scenarios

Preparing for the Labs

Desktop system name	vc02.vclass.local
Desktop user name	administrator
Desktop user's password	vmware1!
ESXi host name	esxi02.vclass.local
ESXi host root password	vmware1!
vCenter Server system name	vc02.vclass.local
vCenter Server user name	administrator
vCenter Server user's password	vmware1!
vSphere Web Client address	https://vc02.vclass.local:9443/vsphere-client
Virtual machine name	Win07B
Virtual machine user name	administrator
Virtual machine user's password	vmware
Domain name	vclass.local
Domain administrators user name	administrator
Domain administrator user's password	vmware1!

Labs 43 to 50 – Virtual Machine Scenarios

Preparing for the Labs

ESXi host name	esxi02.vclass.local
ESXi host root password	vmware1!
vCenter Server system name	vc02.vclass.local
vCenter Server user name	administrator
vCenter Server user's password	vmware1!
vSphere Web Client address	https://vc02.vclass.local:9443/vsphere-client

Lab 43: Virtual machine name	Win01B
Lab 44: Virtual machine name	Win04B
Lab 45: Virtual machine name	Win02B
Lab 46: Virtual machine datastore name	Private02
Lab 46: Virtual machine name	Win05B
Lab 47: Virtual machine name	Win02B
Lab 48: Virtual machine datastore name	Private02
Lab 48: Virtual machine name	Win06B
Lab 49: Virtual machine name	Win02B
Lab 50: Virtual machine name	Win03B

Virtual machine user name	administrator
Virtual machine user's password	vmware