

QUICK SETUP GUIDE VIRTUAL APPLIANCE - VMWARE, XEN, HYPERV

CommandCenter Secure Gateway

This Quick Setup Guide explains how to install and configure the CommandCenter Secure Gateway.

For additional information on any aspect of CommandCenter Secure Gateway, see CommandCenter Secure Gateway help, which can be accessed from the **Product Support** (http://www.raritan.com/support) section of Raritan's website.

This installation includes new deployments of the virtual CC-SG appliance on VMware, XEN, and HyperV virtual machines.

Download Installation Files

Log in to raritan.com to access the installation files. See Get Your License (on page 11) for details.

http://www.raritan.com/support/CommandCenter-Secure-Gateway.

The installation files are packaged in a .ZIP file. Download the .ZIP file for your virtual environment.

- VMware
- XEN
- HyperV

Deploying CC-SG on VMware

Requirements

- 1. ESXi 6.0/6.5/6.7 to deploy the CommandCenter Secure Gateway virtual appliance
 - Must have a datastore with 40GB minimum available
 - Must have at least 4GB memory available
 - 2 physical NICs in the server. (ESXi networking refers to these as "vmnic".)
 - A high availability cluster with access to shared storage is recommended. Fault tolerance may also be used. See CC-SG Admin Help "Using VMware High Availability or Fault Tolerance with a CC-SG Virtual Appliance".
- 2. Client computer running vSphere Client 6.0, or vSphere web client 6.5/6.7.
- 3. The virtual appliance .OVF file, which is available at http://www.raritan.com/support/commandcenter-secure-gateway. See Download Installation Files for details.
 - CommandCenter Secure Gateway Virtual Appliance link: You must log in to the Raritan Software License Key Management site to view this link. See Get Your License.

Install CommandCenter Secure Gateway on VMware ESXi 6.0

- 1. Connect to the ESXi 6.0 from your client computer using vSphere 6.0.
- 2. Log in as a user that has permission to create, start, and stop virtual machines.
- 3. Choose File > Deploy OVF Template.
- 4. Select Deploy From File then click Browse to go to the directory where you unzipped the files. Select the .OVF file. Click Next.
- 5. Details about the virtual machine that will be created display. You can change the default name of the virtual machine. Click Next.
- 6. Select the inventory location. Click Next.
- 7. Select the Host where you want to deploy the CommandCenter Secure Gateway. A host that is part of a high availability cluster is recommended for failover protection. Click Next.
- 8. If you selected a cluster, select the specific host. Click Next.



9. Choose the datastore where all files will be stored. Make sure the datastore has 40GB free. Click Next.

Note: Datastore availability is critical for proper and reliable operation. The datastore should be highly available with redundant network access and routine backup.

- 10. Choose the network your CC-SG is being deployed on. Click Next.
- 11. View the summary then click Finish. Wait several minutes while the virtual machine is created.
- 12. Power on the virtual machine and launch the console. For next steps, go to *Log in to Diagnostic Console to Set CC-SG IP Address* (on page 10).

Deploying CC-SG on XEN Virtual Server

Requirements

- 1. Xen server is running on a machine that supports hardware virtualization and is enabled in BIOS.
- 2. XenCenter Windows Management Console is running on a client machine that can access the XEN server.

Install CC-SG on a XEN Server

- 1. Extract the OVF and VHD files from the CC-SG release package to the client machine where XenCenter Windows Management Console is installed.
- 2. Launch XenCenter Windows Management Console.
- 3. If needed, add the installed Xen server to XenCenter.
- 4. Once the XEN server is added, right-click on the XEN server and choose "Import...".
- 5. Click Browse, select the OVF file, and click Next.

S Import OVF/OVA Package	the local	a fast many two	
Locate the file you wa	nt to import		0
Import Source EULAs	Enter the pa click Browse	thname of an exported VM or template, an OVF/OVA package or a virtual hard o to find the file you want.	isk image file or
Location Storage Networking Security OS Fixup Settings Transfer VM Settings Finish	Filena <u>m</u> e:	C:\Downloads\XEN \CommandCenter	Browse
CİTRIX'		< Previous Next >	Cancel



6. Select the XEN server as the location for the imported virtual machine.

Select the location	n where the imported VM wi	ill be placed
Import Source EULAs	Choose the pool or star Home Server within the	ndalone server where you want to place the VM(s). If required, you can also specify a 2 selected pool for each imported VM.
Location	Import VM(s) to: xen	iserver-57-110 👻
Storage	Assign imported VM(s)	to a home server:
Networking	VM	Home Server
Security OS Fixup Settings Transfer VM Settings Finish	CommandCenter	xenserver-57-110 💌
CİTRIX [.]		< Previous Next > Cancel

7. Specify the virtual disk. Local storage is shown in the example.

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e	0
Place the virtual disks in the VMs you are importing onto storag standalone server.	e repositories (SRs) in the destination pool or
Place all imported virtual disks on this target SR:	
Local storage on xenserver-57-110, 129.5 GB available	•
Place imported virtual disks onto specified target SRs:	
VM - Virtual Disk	Storage Repository
CommandCenter- CommandCenterDisk (40 GB)	Local storage on xenserver-57-110, :
4	5
	 Place the virtual disks in the VMs you are importing onto storag standalone server. Place all imported virtual disks on this target SR: Local storage on xenserver-57-110, 129.5 GB available Place imported virtual disks onto apecified target SRs: VM - Virtual Disk CommandCenter- CommandCenterDisk (40 GB)



8. Choose the Network Connection for both the CC-SG interfaces.

Import Source	Map the virtual network interfaces in the VMs you are importing to networks in the d standalone server.	estination pool or
Location	Virtual network interfaces in imported VMs:	
Storage	VM - Virtual Network Interface	Target Network
Networking	CommandCenter - Pool-wide network associated with eth0 (ce:9b:89:1e:28:15)	Network 2
Security	CommandCenter - Pool-wide network associated with eth1 (16:34:03:4d:a9:d9)	Network 2
Transfer VM Settings Finish		

9. Use the default option "Don't use Operating System Fixup". The CC-SG VM was created on XEN server.

Import OVF/OVA Package	en la constante de la constante de la constante de la constante de la constante de la constante de la constante		
Use Operating System Fixup to ensure hypervisor interoperability			
Import Source EULAs Location Storage Networking Security OS Fixup Settings Transfer VM Settings Finish	Operating System Fixup creates a basic level of interoperability for OVF packages and disk images that originated on non-XenServer platforms, for example, an OVF Package created from a VMware environment. It attempts to repair problems with imported VMs that might prevent the operating system of the VM from booting. Operating System Fixup is supplied as a bootable ISO image which is attached to the DVD drive of the imported VM and which performs necessary repairs to the VM when it is first started. Don't use Operating System Fixup Select this option if the VMs being imported were created on XenServer. Use Operating System Fixup Select this option if the VMs being imported were created on a hypervisor other than XenServer. Location of OS Fixup ISO: [Choose an ISO SR] *		
CITRIX.			
	<u>Next ></u> Cancel		



10. Configure networking options. You can configure with DHCP or Static. This configuration does not impact network parameters of CC-SG. Once the CC-SG VM is running, you can configure CC-SG network parameters from CC-SG admin console.

S Import OVF/OVA Package	otions for the Transfer VM	
Import Source EULAs Location Storage Networking Security OS Fixup Settings Transfer VM Settings Finish	Select the network on which the temporary VM (Transfer VM) used to perform the import operation will run. Ngtwork: Network 2 (management) Network Settings Automatically obtain network settings using DHCP Use these network settings: IP address: 192 Subnet mask: Gateway:	
	< <u>P</u> revious <u>Next</u> > Cancel	
Import Source EULAs	king options for the Transfer VM Select the network on which the temporary VM (Transfer VM) used to perform the impo	ort operation will run.
Location Storage Networking Security OS Fixup Settings	Network: Network 2 (management) Network Settings Automatically obtain network settings using DHCP Use these network settings:	-
Transfer VM Settings Finish	IP address: 192.168.57.115 Subnet mask: 255.255.255.0 Gateway: 192.168.57.126	
CITRIX		
	< <u>Previous</u> <u>N</u>	ext > Cancel



11. Once network is configured, click Next and review. Click Finish.

Import OVF/OVA Package	2.0 seculo	
Review the import set	ttings	0
Import Source EULAs	All the necessary information has below.	as been collected and the wizard is ready to import using the settings shown
Location Storage	Please review these settings and click Finish to import and close	I click Previous if you need to go back and make any changes, otherwise this wizard. Import may take several minutes.
Networking Security	Package name:	CommandCenter
OS Fixup Settings	Verify digital signature:	No
Finish	Target:	xenserver-57-110
	Network:	Network 0
	Transfer VM network interface: Transfer VM IP address:	Network 2 Obtain automatically through DHCP
citrix .		
	1	< <u>P</u> revious <u>Finish</u> Cancel

12. It will take 20-25 minutes for the CC-SG VM to be created. Start the VM and launch the console. For next steps, go to *Log in to Diagnostic Console to Set CC-SG IP Address* (on page 10).

Deploying CC-SG on Hyper-V

Requirements

- Hyper-V feature is enabled on a Windows 2019/2016/2012/10 client.
- Hyper-V Manager can be accessed.

Install CC-SG on Hyper-V

- 1. Extract the VHDF file from the CC-SG installation zip file.
- 2. In Hyper-V Manager, make sure your local machine is selected in the left panel, then choose Action > New > Virtual Machine... to open the New Virtual Machine wizard.
- 3. In the Before you Begin page, click Next.



4. Enter a name for the VM, and choose a location to store the VM. Click Next.



5. In the Specify Generation page, select Generation 1 only. CC-SG does not support Generation 2. Click Next.





6. In the Assign Memory page, change the Startup Memory to 4GB (4096MB). Make sure that "Use Dynamic Memory for this virtual machine" is NOT selected. Click Next.

8	New Virtual Machine Wizard		
Assign Memory			
Before You Begin Specify Name and Location Specify Generation Assign Memory Configure Networking Connect Virtual Hard Disk Installation Options Summary	Specify the amount of memory to allocate to this virtual machine. You can specify an amount from 32 MB through 6526 MB. To improve performance, specify more than the minimum amount recommended for the operating system. Startup memory: 4096 MB Juse Dynamic Memory for this virtual machine. If when you decide how much memory to assign to a virtual machine, consider how you intend to use the virtual machine and the operating system that it will run.		
	< Previous Next > Einish Cancel		

7. In the Configure Networking page, select the network configuration in your client environment. Click Next.





8. In the Connect Virtual Hard Disk page, select "Use an existing virtual hard disk", then click Browse to select the .VHDX file extracted earlier. Click Next.

8	New Virtual Machine Wizard		
Connect Virt	tual Hard Disk		
Before You Begin Specify Name and Location Specify Generation Assign Memory Configure Networking Connect Virtual Hard Disk Summary	A virtual machine requires storage so that you can install an operating system. You can specify the storage now or configure it later by modifying the virtual machine's properties. Create a virtual hard disk. Use this option to areate a VHDX dynamically expanding virtual hard disk. Nage: CC-5.vhdx Location: CcICC(CC-5.vhdx Loc		
	< Previous Next > Einish Cancel		

9. A summary of the VM displays. Click Finish.

8	New Virtual Machine Wizard	×
Completing	the New Virtual Machine Wizard	
Before You Begin Specify Name and Location Specify Generation	You have successfully completed the New Virtual Machine Wizard. You are about to create the following virtual machine. Description:	
Assign Memory Configure Networking Connect Virtual Hard Disk Summary	Name: CC-5-51-230 Generation: Generation 1 Memory: 4096 MB Network: RankanNetwork Hard Disk: C:\Users\Downloads\CommandCenter	
	To create the Virtual machine and close the wizard, click Finish.	>
	< Previous Next > Finish Cancel	



10. Select the newly created VM, then click Settings and add another network.



11. Start the new VM, and launch the console. For next steps, go to Log in to Diagnostic Console to Set CC-SG IP Address (on page 10).

Log in to Diagnostic Console to Set CC-SG IP Address

- 1. Log in as admin/raritan. Usernames and passwords are case-sensitive.
- 2. You will be prompted to change the local console password.
 - a. Type the default password (raritan) again.
 - b. Type and then confirm the new password.
- 3. Press CTRL+X when you see the Welcome screen.



- 4. Choose Operation > Network Interfaces > Network Interface Config. The Administrator Console appears.
- 5. In the Configuration field, select DHCP or Static. If you select Static, type a static IP address. If needed, specify DNS servers, netmask, and gateway address.
- 6. Select Save.

Default CC-SG Settings

IP Address: 192.168.0.192

Subnet Mask: 255.255.255.0

Username/Password: admin/raritanQS Rule



Log in to CC-SG

1. Launch a supported browser and type the URL of the CC-SG: https://<IP address>/admin.

For example, https://192.168.0.192/admin.

Note: The default setting for browser connections is HTTPS/SSL encrypted.

- 2. When the security alert window appears, accept the connection.
- 3. You will be warned if you are using an unsupported Java Runtime Environment version. Follow the prompts to either download the correct version, or continue. The Login window appears.
- 4. Type the default username (admin) and password (raritan) and click Login.

The CC-SG Admin Client opens. You are prompted to change your password. Strong passwords are enforced for admin.

Get Your License

- The license administrator designated at time of purchase will receive an email from Raritan Licensing Portal when licenses are available. Use the link in the email, or go directly to www.raritan.com/support. Create a user account and login, then click "Visit The License Key Management Tool". The licensing account information page opens.
- 2. Click the Product License tab. The licenses you purchased display in a list. You may have only 1 license, or multiple licenses.
- 3. To get each license, click Create next to the item in the list. If you have more than 1 license, such as a base license of CCSG128-VA and an add-on license of CCL-1024, create the base license first.
- 4. Enter the Host ID of the virtual machine where you installed the CC-SG virtual appliance. You can copy the Host ID from the Administration > License Management page in the Admin Client, in the CC-SG Host ID field at the top of the page.
 - Sample Host ID: 98A77180737E600FVP9FF1707ED0CE2154CF7FD6
- 5. Click Create License. The details you entered display in a pop-up. Verify that your Host ID is correct. For clusters, verify both Host IDs.

Warning: Make sure the Host ID is correct! A license created with an incorrect Host ID is not valid and requires Raritan Technical Support's help to fix.

- 6. Click OK. The license file is created.
- 7. Click Download Now and save the license file.

Install and Check Out Your License

- 1. In the CC-SG Admin Client, choose Administration > License Management.
- 2. Click Add License.
- 3. Read the license agreement and scroll down the whole text area, then select the I Agree checkbox.
- Click Browse, then select the license file and click OK.
 You must check out licenses to activate the features.
- 5. Select a license from the list then click Check Out. Check out all the licenses you want to activate.

Additional Information

For more information about CommandCenter Secure Gateway and the entire Raritan product line, see Raritan's website (www.raritan.com). For technical issues, contact Raritan Technical Support. See the Contact Support page in the Support section on Raritan's website for technical support contact information worldwide. Raritan's products use code licensed under the GPL and LGPL. You can request a copy of the open source code. For details, see the Open Source Software Statement at (http://www.raritan.com/about/legal-statements/open-source-software-statement/) on Raritan's website.