

Deploy the ExtraHop Command Appliance with Hyper-V

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The following procedures explain how to deploy an ExtraHop Command appliance on the Microsoft Hyper-V platform. You must have experience administering your hypervisor product to complete these procedures.

If you need either the installation package files or a license key for the virtual appliance, contact support@extrahop.com.

Virtual machine requirements

You must have an existing installation of Hyper-V on Windows Server 2012 (or later) capable of hosting the Command virtual appliance. In addition, you need Hyper-V Manager to manage the virtual machine.

The following server hardware is required for the Command virtual Appliance

CPU


2 CPUs with hyper-threading support, VT-x or AMD-V technology, 64-bit architecture, and Supplemental Streaming SIMD Extensions 3 (SSSE3) support.

RAM

4 GB RAM

Disk

44 GB or higher disk (thick-provisioned)

 **Important:** If you want to deploy more than one ExtraHop virtual appliance, create the new instance with the original deployment package or clone an existing instance that has never been started.

Performance guidelines

The following table provides guidelines that can help you optimize the performance of the Command appliance. These guidelines are minimum requirements that you might need to adjust based on the size and needs of your environment.

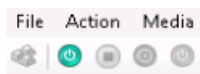
Scalability	Connected ExtraHop Appliances	1-8	9-24	25-64
Provisioning Requirements	CPU Cores	4	8	16
	RAM	8 GB	16 GB	32 GB
	Boot Disk	4 GB	4 GB	4 GB
	Datastore and Utility Disk	40 GB	48 GB	64 GB
	Disk Total	44 GB	52 GB	68 GB

Install the files for Hyper-V

Before you begin

If you have not already done so, download the ExtraHop Command virtual appliance file for Hyper-V from the [ExtraHop Customer Portal](#) and extract the contents from the .zip file to your Windows Server machine.

1. Go to the **Start** menu and open the **Hyper-V Manager**.
2. In the right pane of the Hyper-V Manager, click **New** and select **Import Virtual Machine...**
3. If the Before You Begin screen appears, click **Next**. Otherwise, continue to the next step.
4. Browse to the folder with the extracted files and click **Next**.
5. Select the virtual machine to import and click **Next**.
6. Select **Copy the virtual machine** and click **Next**.
7. On Choose Folders for Virtual Machine Files, select the location to store the configuration of the VM and click **Next**.
8. On Choose Storage Folders to Store Virtual Hard Disks, select a location to store the virtual hard disks and click **Next**.
9. On the summary screen review your choices and then click **Finish**.
10. Wait several minutes for the files to copy.
11. In the Virtual Machines list, right-click the virtual machine and select **Start**.
12. Right-click the virtual machine again and select **Connect**.
13. Click the green start button at the top of the screen and wait for the login prompt.



14. At the login prompt, type `shell` and then press ENTER.
15. At the password prompt, type `default`, and then press ENTER.
16. Run the `show ipaddr` command to display the IP address of the Discover appliance. You need the IP address to apply the ExtraHop license in the next procedure.



Note: If your network does not support DHCP, see [Configure a Static IP Address](#) to set a static IP address.

Configure a static IP address through the CLI

The ExtraHop system is delivered with DHCP enabled. If your network does not support DHCP, no IP address is acquired, and you must configure a static address manually.

Important: For deployments that include a Discover appliance that is connected to a Command appliance, we strongly recommend [configuring a unique hostname](#). If the IP address on the sensor is changed, the Command appliance can re-establish connection easily to the sensor by hostname.

1. Access the CLI through an SSH connection, by connecting a USB keyboard and SVGA monitor to the appliance, or through an RS-232 serial cable and a terminal emulator program. The terminal emulator must be set to 115200 bps with 8 data bits, no parity, 1 stop bit (8N1), and hardware flow control should be disabled.
2. At the login prompt, type `shell` and then press ENTER.
3. At the password prompt, type `default`, and then press ENTER.
4. To configure the static IP address, run the following commands:

- a) Enable privileged commands:

```
enable
```

- b) At the password prompt, type `default`, and then press ENTER.

- c) Enter configuration mode:

```
configure
```

- d) Enter the interface configuration mode:

```
interface
```

- e) Run the `ip` command and specify the IP address and DNS settings in the following format: `ip ipaddr <ip_address> <netmask> <gateway> <dns_server>`

For example:

```
ip ipaddr 10.10.2.14 255.255.0.0 10.10.1.253 10.10.1.254
```

- f) Leave the interface configuration section:

```
exit
```

- g) Save the running config file:

```
running_config save
```

- h) Type `y` and then press ENTER.

Post-deployment actions

Open a web browser and type the IP address of the Command appliance in the address bar and then press **ENTER**. Accept the EULA and enter the product key to license the appliance.

Log in to the ExtraHop system with the `setup` user account and type `default` for the password.

- Review the [Discover and Command Post-deployment Checklist](#) and configure additional Command settings.
- [Connect a Command appliance to Discover appliances](#)
- [Connect the Discover and Command appliances to Explore appliances](#)
- [Connect the Discover and Command appliances to the Trace appliance](#)