Deploy the EXA 5300 recordstore

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This guide explains how to install the rack-mounted EXA 5300 recordstore.

Installation prerequisites

To install the EXA 5300, your environment must meet the following requirements:

Recordstore

2U of rack space and electrical connections for 2 x 800 W power supply units (PSUs).

Management

One 10/100/1000 BASE-T network port or one 10G BASE-SR port for appliance management.

Network Access

TCP port 443 must be open between the following systems:

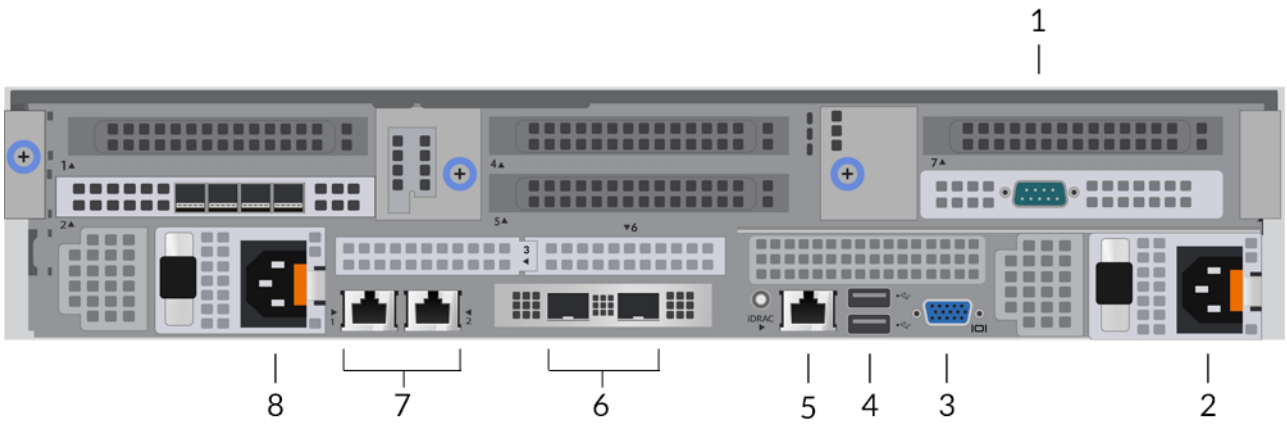
- the recordstore and any connected sensors and consoles
- any system that connects to the recordstore for administration

For more information about the interfaces on the ExtraHop system, see the ExtraHop Hardware FAQ.

Rear panel ports

Rear panel ports

EXA 5300



1. One RS-232 serial port to connect a console device.
2. Power supply unit (PSU2) to connect the recordstore to an AC power source.
3. One VGA port to connect an external display.
4. Two USB 3.0 ports to connect input devices such as a keyboard and mouse.
5. One iDRAC interface port.
6. Two 10 GbE ports. These ports can be configured as a management port.
7. Two 10/100/1000 BASE-T network ports. Port 1 is the primary management port. These ports can be configured as a management port.
8. Power supply unit (PSU1) to connect the recordstore to an AC power source.

Set up the recordstore

1. Rack mount the recordstore.

   Install the recordstore in your data center with the included rack-mounting kit. The mounting kit supports most four-post racks with either round or square holes.

   Orient the hardware to ensure proper airflow. The cold air intake is through the front of the recordstore.
2. Connect port 1 to your management network.

   This recordstore has two 10/100/1000 BASE-T network ports. With a network patch cable, connect the management port on the recordstore to your management network. Port 1 is the default management port.
3. Optional: Connect the iDRAC port.

   To enable remote management of the recordstore, connect your management network to the iDRAC port with a network patch cable.
4. Optional: Connect a 10 GbE port.

   Connect one of the 10 GbE ports on the recordstore with a 10 GbE cable to your network to manage the recordstore.
5. Install the front bezel.

   You must install the front bezel if you want to configure the recordstore through the LCD display.

   Insert the USB connector on the right side of the bezel into the USB port on the front of the recordstore. Press and hold the release button on the left end of the bezel and push the bezel flush with the recordstore until it snaps into place.
6. Connect the power cords.

   Connect the two supplied power cords to the power supply units (PSUs) on the back of the recordstore, and then plug the cords into a power outlet. If the recordstore does not power on automatically, press the power button ⏻ on the front-right of the recordstore.

Management IP address configuration

DHCP is enabled by default on the ExtraHop system. When you power on the system, the primary management interface attempts to acquire an IP address through DHCP. If successful, the IP address appears on the home screen of the LCD.

If your network does not support DHCP, you can configure a static IP address through the LCD menu on the front panel or through the command-line interface (CLI).

Important: We strongly recommend configuring a unique hostname. If the system IP address changes, the ExtraHop console can re-establish connection easily to the system by hostname.

Configure a static IP address through the LCD

Complete the following steps to manually configure an IP address through the front panel LCD controls.

1. Make sure that the primary management interface is connected to the network and the link status is active.
2. Press the select button (✓) to begin.
3. Press the down arrow button to select `Network`, and then press the select button.
4. Press the down arrow to select `Set static IP`, and then press the select button.
5. Press the left or right arrows to select the first digit to change, and then press the up or down arrows to change the digit to the desired number.

Repeat this step for each digit you need to change. After you configure the desired IP address, press the select button.

6. On the `Network mask` screen, press the left or right arrows to select the first digit to change, and then press the up or down arrows to change the digit to the desired number.

   Repeat this step for each digit you need to change. After you configure the desired network mask, press the select button.

7. On the `Default gateway` screen, press the left or right arrows to select the first digit to change, and then press the up or down arrows to change the digit to the desired number.

   Repeat this step for each digit you need to change. After you configure the desired default gateway, press the select button.

8. Confirm your modified network settings on the `Settings saved` screen, and then press any button to return to the `Network Menu`.

   Note: Each address is preceded by a letter that identifies whether it is the system IP address (I), the gateway address (G), or the netmask (N).

9. Press the down arrow and scroll to `Set DNS servers`, and then press the select button.
10. Press the left or right arrows on the `DNS1` screen to select the first digit to change, and then press the up or down arrows to change the digit to the desired number.

    Repeat this step for each digit you need to change, and then press the select button to continue to the `DNS2` screen.

11. Configure a second DNS server.
12. Confirm the DNS settings on the `Settings saved` screen, and then press any button to return to the `Network Menu`.
13. Press the down arrow twice until ← `Back` appears, and then press the select button.
14. Press the down arrow twice to select iDRAC.
15. Configure the iDRAC DHCP, IP, mask, gateway, and DNS in the same manner as the IP address.
16. Press the `X` button to return to the main menu.

Configure an IP address through the CLI

Before you begin

You can access the CLI by connecting a USB keyboard and SVGA monitor to the appliance or through an RS-232 serial (null modem) cable and a terminal emulator program. Set the terminal emulator to 115200 baud with 8 data bits, no parity, 1 stop bit (8N1), and hardware flow control disabled.

You can manually configure an IP address from the CLI.

1. Establish a connection to the ExtraHop system.
2. At the login prompt, type `shell` and then press ENTER.
3. At the password prompt, type the system serial number and then press ENTER.

   The serial number is printed on a label on the back of the unit. The serial number can also be found on the LCD display on the front of the unit in the `Info` section.

4. Enable privileged commands:

   ```
   enable
   ```

5. At the password prompt, type the serial number, and then press ENTER.
6. Enter configuration mode:

   ```
   configure
   ```

7. Enter interface configuration mode:

   ```
   interface
   ```

8. 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
```

9. Leave configuration mode:

```
exit
```

10. Save the running configuration file:

```
running_config save
```

11. Type `y` and then press ENTER.

Note: The system updates the running configuration file and applies the new settings when a link is detected on the interface.

(Optional) Configure the 10 GbE management interface

You can configure a 10 GbE port (port 1 or port 2) to manage the system.

The commands below demonstrate moving the settings from port 3 to port 1, and then disabling port 3, but the port numbers for 10 GbE interfaces vary by appliance model. Refer to Rear panel ports for the port numbers on your specific appliance.

1. Make sure that port 1 is connected to the 10 GbE network.
2. Establish an SSH connection to the ExtraHop system.
3. At the login prompt, type `shell` and then press ENTER.
4. At the password prompt, type the system serial number and then press ENTER.
   The serial number is printed on a label on the back of the appliance. The serial number is also on the LCD display on the front of the appliance in the `Info` section.
5. Enable privileged commands:

```
enable
```

6. At the password prompt, type the serial number, and then press ENTER.
7. Enter configuration mode:

```
configure
```

8. Enter interface configuration mode:

```
interface 3
```

9. Move the interface settings:

Warning: This command overwrites the settings for Interface 1 with the settings from Interface 3. The current settings for Interface 1 will be lost and Interface 3 will be disabled.

```
take_settings 1
```

10. Type `Y` to proceed and then press ENTER.

Configure the recordstore

Before you begin

Before you can configure the recordstore, you must have already configured a management IP address.

1. Log in to the Administration settings on the ExtraHop system through `https://<extrahop-hostname-or-IP-address>/admin`.

   The default login name is `setup`. The password is the system serial number that appears in the `Info` section of the LCD display.
2. Accept the license agreement and then log in.
3. Follow the prompts to enter the product key, change the default setup and shell user account passwords, connect to ExtraHop Cloud Services, and connect to an ExtraHop console.

Next steps
After the system is licensed, and you have verified that traffic is detected, complete these recommended procedures:

- Register your ExtraHop system
- Connect the EXA 5300 to the ExtraHop system
- Send record data to the recordstore
- Review the Recordstore Post-deployment Checklist and configure additional recordstore settings.