


# Register your ExtraHop system

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This guide provides instructions on how to apply a new product key and activate all of your purchased modules. You must have privileges on the ExtraHop system to access the Administration settings.

## Register the appliance

### Before you begin

 **Note:** If you are registering a sensor or a console, you can optionally enter the product key after you accept the EULA and log in to the ExtraHop system (`https://<extrahop_hostname-or-IP-address>/`).

1. Log in to the Administration settings on the ExtraHop system through `https://<extrahop_hostname-or-IP-address>/admin`.
2. Review the license agreement, select I Agree, and then click **Submit**.
3. On the login screen, type `setup` for the username.
4. For the password, select from the following options:
  - For 1U and 2U appliances, type the serial number printed on the label on the back of the appliance. The serial number can also be found on the LCD display on the front of the appliance in the `Info` section.
  - For the EDA 1100, type the serial number displayed in the `Appliance info` section of the LCD menu. The serial number is also printed on the bottom of the appliance.
  - For the EDA 1200, type the serial number printed on the back of the appliance.
  - For a virtual appliance in AWS, type the instance ID, which is the string of characters that follow `i-` (but not `i-` itself).
  - For a virtual appliance in GCP, type the instance ID.
  - For all other virtual appliances, type `default`.
5. Click **Log In**.
6. In the Appliance Settings section, click **License**.
7. Click **Manage License**.
8. If you have a product key, click **Register** and type your product key into the field.

 **Note:** If you received a license file from ExtraHop Support, click **Manage License**, click **Update**, then paste the contents of the file into the Enter License field. Click **Update**.

9. Click **Register**.

### Next steps

Have more questions about ExtraHop licensing works? See the [License FAQ](#).

## Troubleshoot license server connectivity

For ExtraHop systems licensed and configured to connect to ExtraHop Cloud Services, registration and verification is performed through an HTTPS request to ExtraHop Cloud Services.

If your ExtraHop system is not licensed for ExtraHop Cloud Services or is not yet licensed, the system attempts to register the system through a DNS TXT request for `regions.hopcloud.extrahop.com` and an HTTPS request to all [ExtraHop Cloud Services regions](#). If this request fails, the system tries to connect to the ExtraHop licensing server through DNS server port 53. The following procedure is useful to verify that the ExtraHop system can communicate with the licensing server through DNS.

Open a terminal application on your Windows, Linux, or macOS client that is on the same network as your ExtraHop system and run the following command:

```
nslookup -type=NS d.extrahop.com
```

If the name resolution is successful, output similar to the following appears:

```
Non-authoritative answer:  
d.extrahop.com  nameserver = ns0.use.d.extrahop.com.  
d.extrahop.com  nameserver = ns0.usw.d.extrahop.com.
```

If the name resolution is not successful, make sure that your DNS server is properly configured to lookup the `extrahop.com` domain.