

Specify custom device makes and models through the REST API

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The ExtraHop REST API enables you to specify custom makes and models for devices. You can update devices through the REST API Explorer or automate the procedure by reading device criteria from a CSV or similar file through a REST API script.

Specify a custom make and model through the REST API Explorer

Retrieve the ID of the device

Before you can specify a custom make and model for a device, you must retrieve the REST API ID of the device.

1. In a browser, navigate to the REST API Explorer.
The URL is the hostname or IP address of your ExtraHop system, followed by `/api/v1/explore/`. For example, if your hostname is `seattle-eda`, the URL is `https://seattle-eda/api/v1/explore/`.
2. Click **Enter API Key** and then paste or type your API key into the **API Key** field.
3. Click **Authorize** and then click **Close**.
4. Click **GET /devices**.
5. Click **Try it out**.
6. Click the **search_type** drop-down and select a search filter. Then, enter a criterion that identifies the device in the value field.
For example, to search for a device by IP address, select **ip address** and then type the IP address in the value field.
7. Click **Send Request**.
In the Response body section, note the `id` field of the device.

Specify a high value device

1. Click **PATCH /devices/{id}**.
2. Click **Try it out**.
3. In the **body** field, type the following JSON object:

```
{
  "custom_criticality": "critical"
}
```

4. In the **id** field, type the ID of the device that [you retrieved in the previous procedure](#).
5. Click **Send Request**.
If the request is successful, a 204 response code appears in the Server response section.

Retrieve and run the example Python script

The ExtraHop GitHub repository contains an example Python script that reads custom makes and models from a CSV file and adds them to devices with specified IP addresses.

1. Go to the [ExtraHop code-examples GitHub repository](#) and download the contents of the `specify_custom_make_model` directory to your local machine.

2. In a text editor, open the `custom_config.csv` file and add the IP address for each device you want to update along with the custom makes and models for each device.



Note: The file contains two example entries. The script ignores the header row.

3. In a text editor, open the `specify_custom_make_model.py` file and replace the following configuration variables with information from your environment:

- **HOST:** The IP address or hostname of the ExtraHop system
- **API_KEY:** The API key

4. Run the following command:

```
python3 specify_custom_make_model.py
```



Note: If the script returns an error message that the SSL certificate verification failed, make sure that [a trusted certificate has been added to your ExtraHop system](#). Alternatively, you can add the `verify=False` option to bypass certificate verification. However, this method is not secure and not recommended. The following code sends an HTTP GET request without certificate verification:

```
requests.get(url, headers=headers, verify=False)
```