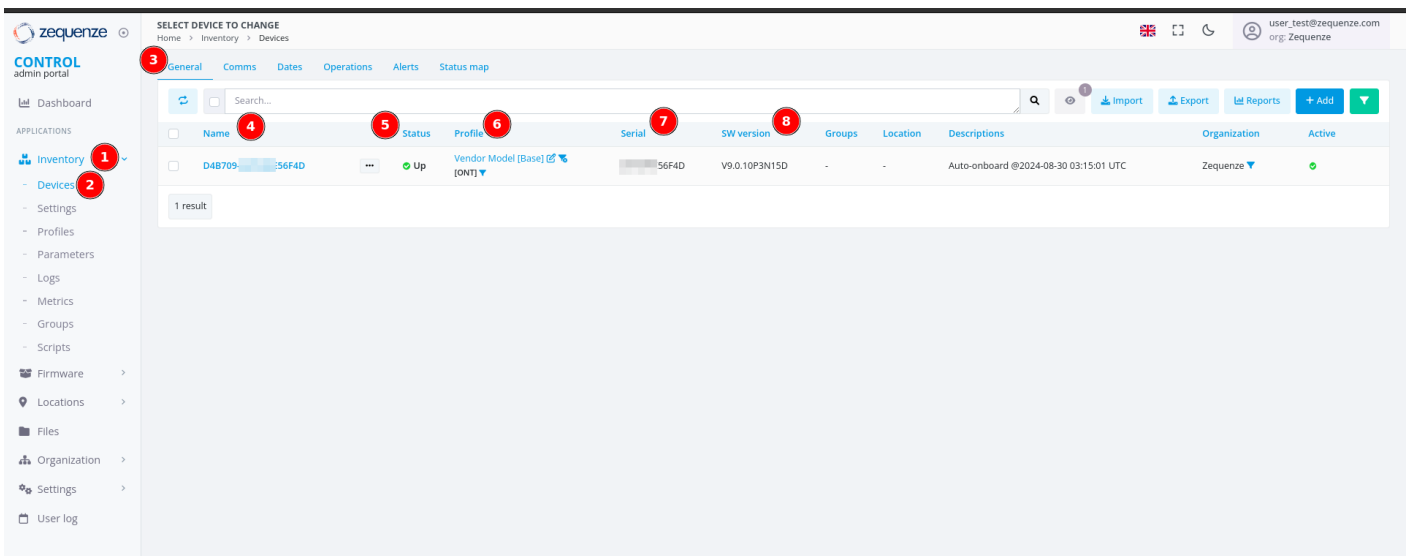


# Discovering the parameters

## Confirm Device Connection

At this point, you should have a device successfully connected to the CONTROL platform, similar to the example shown below:



“ **Note:** If the device list is empty, perform the following troubleshooting steps locally on the device:

- **Try HTTP instead of HTTPS:** Change the CONTROL URL from `https://control.zequence.com/cwmp/` to `http://control.zequence.com/cwmp/`. If this works, the device does not support HTTPS or encrypted communication.
- **Use IP address instead of domain:** Replace the domain `control.zequence.com` with the CONTROL platform's IP address (e.g., `https://35.171.123.57/cwmp/` or `http://35.171.123.57/cwmp/`). If this works, verify the device's DNS configuration.
- **Verify TR069 service:** Validate that the WAN interface has the TR069 service enabled to achieve connectivity to the CONTROL platform.

## Understanding the Interface

The screenshot above displays the following elements:

1. **Inventory** — Located on the left sidebar, this section contains devices, profiles, and other resources.
2. **Devices** — Displays the list of connected devices, showing their status as online or offline (with reasons for offline status).
3. **General** — The default section view when accessing a device.
4. **Name** — Automatically assigned by CONTROL as a unique identifier using the ONT's OUI-FSAN or serial number.
5. **Status** — Shows whether the device is UP or DOWN. Devices have a configured "Periodic Inform Interval" (e.g., 180 seconds). If the device fails to report within this interval, its status changes to DOWN.
6. **Profile** — Indicates which profile the device is assigned to.
7. **Serial** — Displays the serial number or FSAN reported by the device.
8. **SW Version** — Shows the current software version running on the device.

# Enable Parameter Discovery

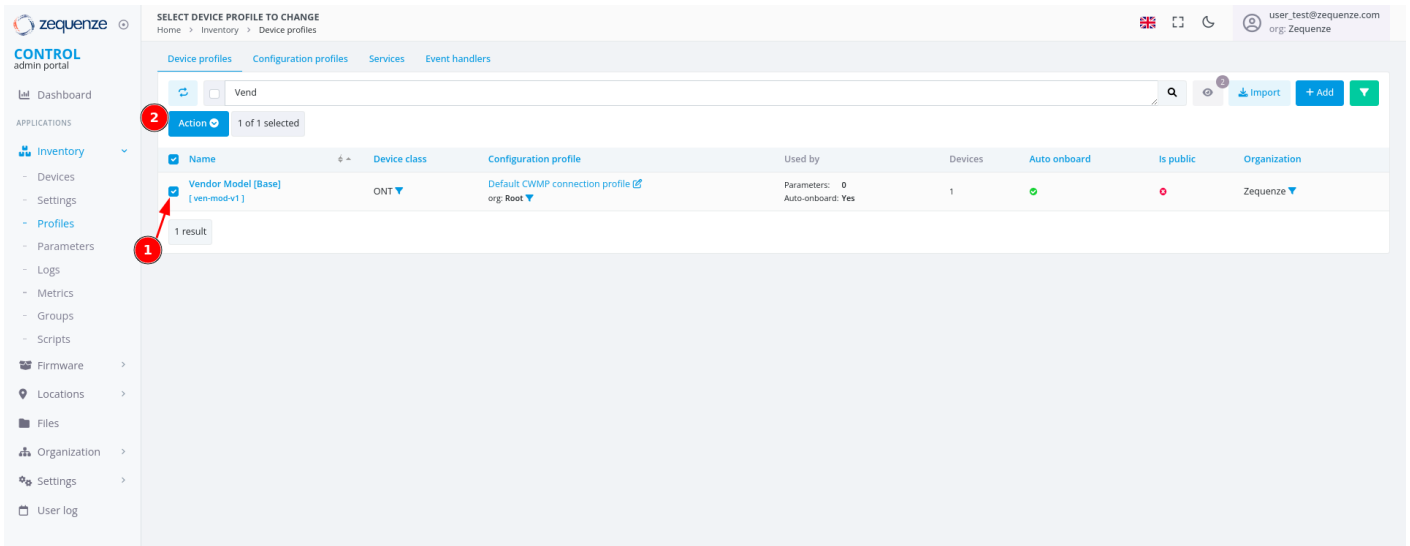
To discover all available parameters from a device on the CONTROL platform, follow these steps:

The screenshot shows the 'SELECT DEVICE PROFILE TO CHANGE' page in the zequence CONTROL admin portal. The left sidebar has 'Inventory' (1) and 'Profiles' (2) highlighted. The main content area shows a table of device profiles with a search filter 'Vend' (3) and a table with one result: 'Vendor Model [Base]' (4). The table columns are: Name, Device class, Configuration profile, Used by, Devices, Auto onboard, Is public, and Organization. The 'Vendor Model [Base]' row has a checkbox, 'ONT' as device class, 'Default\_CWMP connection profile' as configuration profile, 'Parameters: 0' and 'Auto-onboard: Yes' as used by, '1' as devices, a green dot for auto onboard, a red dot for is public, and 'Zequence' as organization.

Name	Device class	Configuration profile	Used by	Devices	Auto onboard	Is public	Organization
<input type="checkbox"/> Vendor Model [Base] [ven-mod+1]	ONT	Default_CWMP connection profile org: Root	Parameters: 0 Auto-onboard: Yes	1	●	●	Zequence

## Step 1: Navigate to Profiles

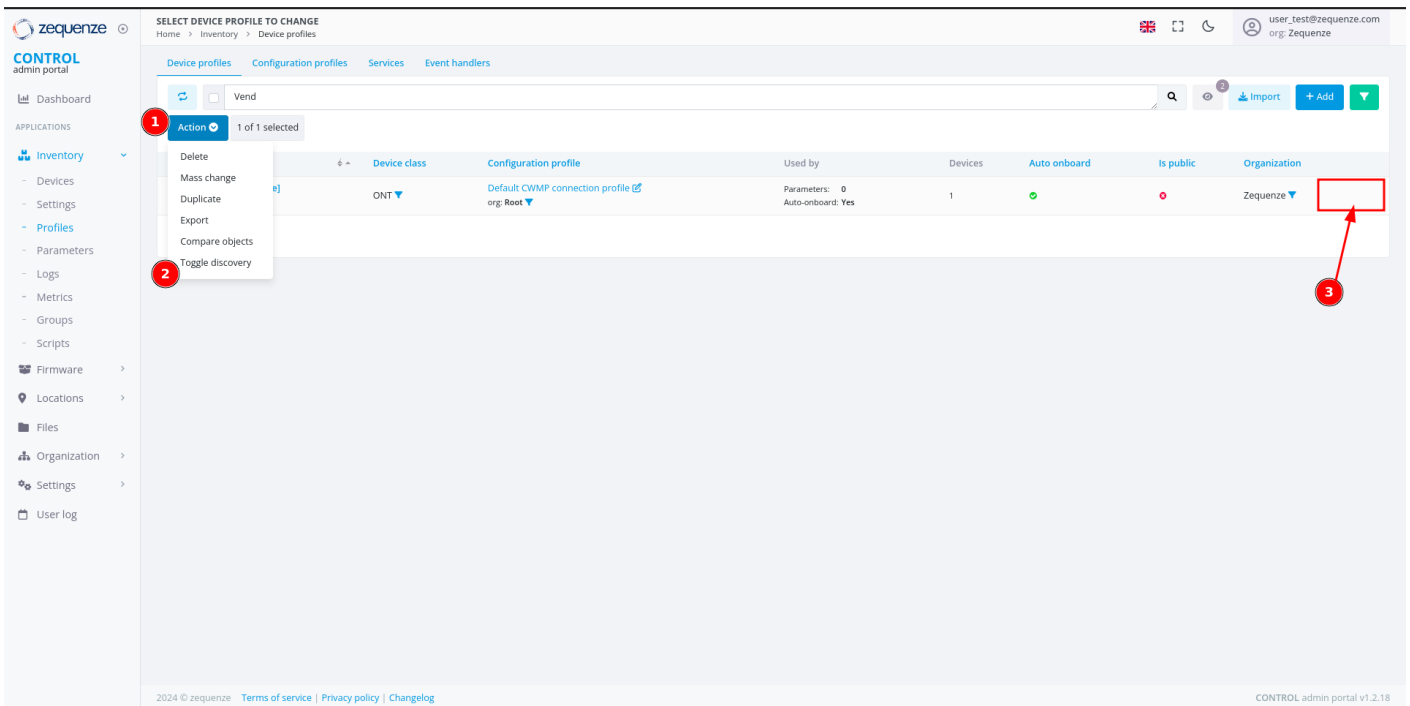
1. Click **Inventory** in the left sidebar.
2. Select **Profiles** from the menu.
3. (Optional) Use the filter to search for a specific profile name and press Enter.
4. Check the checkbox next to the desired profile to reveal additional options.



Once you check the checkbox:

1. The checkbox is marked and selected.
2. A new **"Action"** button appears.

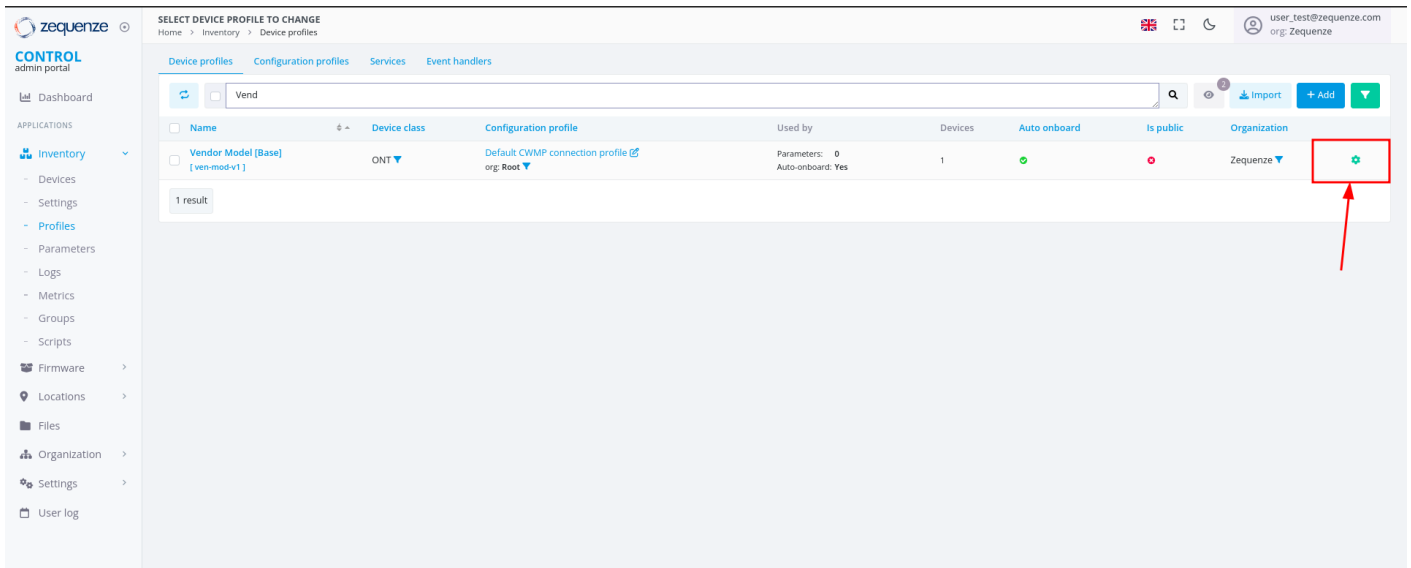
## Step 2: Toggle Discovery



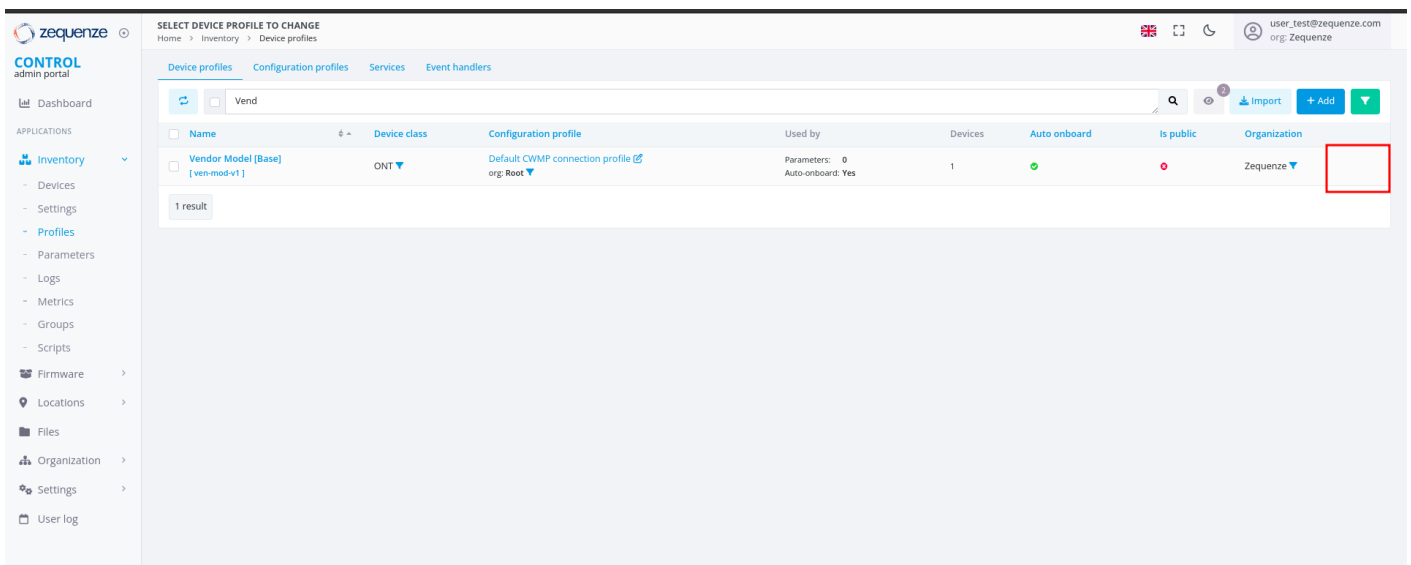
1. Click the **"Action"** button.
2. Select **"Toggle Discovery"** from the dropdown menu.
3. A green gear icon will appear, confirming that the discovery process has started.

The CONTROL platform will now wait for the device to connect and retrieve all available parameters.

# Step 3: Monitor Discovery Progress



The green gear icon indicates that the platform is waiting to obtain all parameters from the device. Refresh the webpage to check when the gear icon disappears, signaling that discovery is complete.

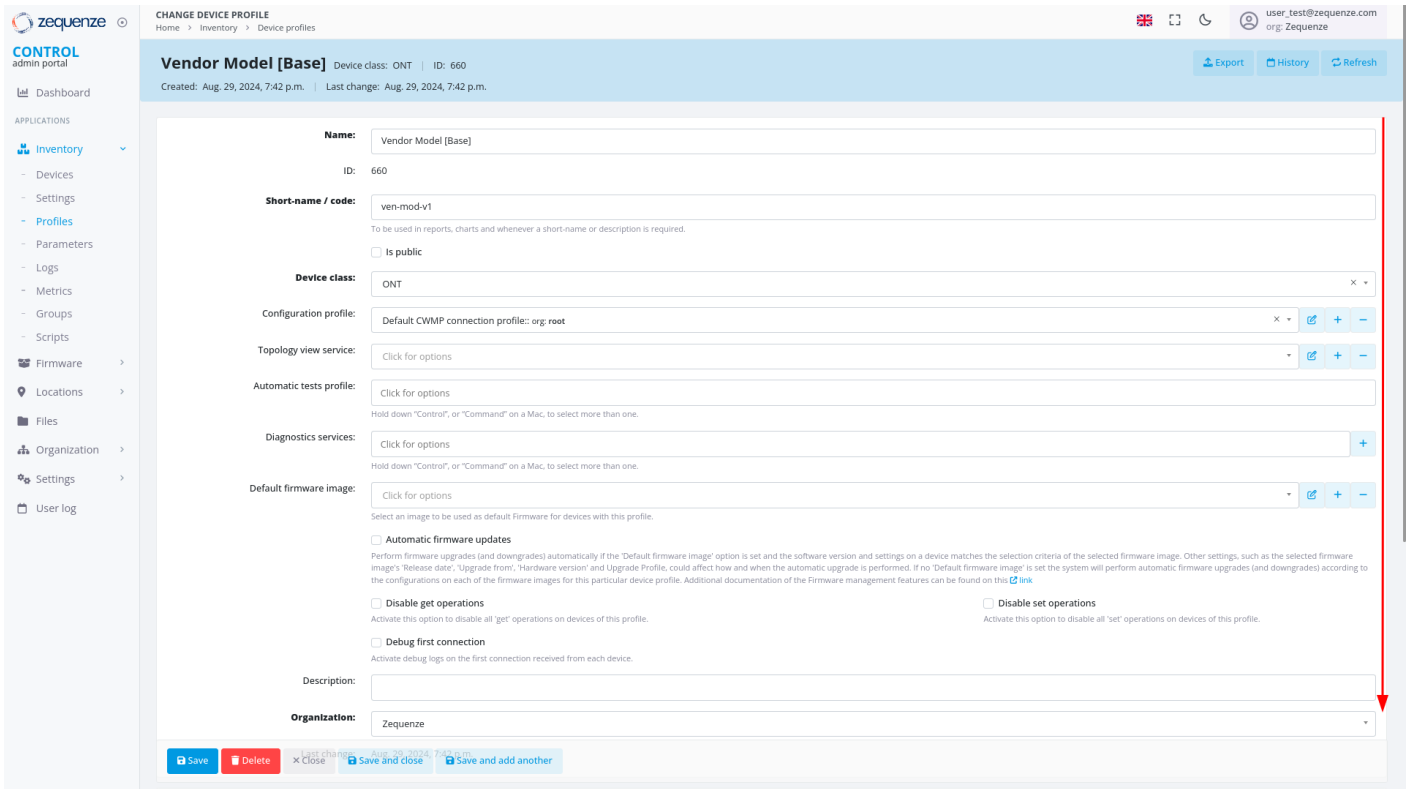


## View Discovered Parameters

Once discovery is complete, you can view all discovered parameters.

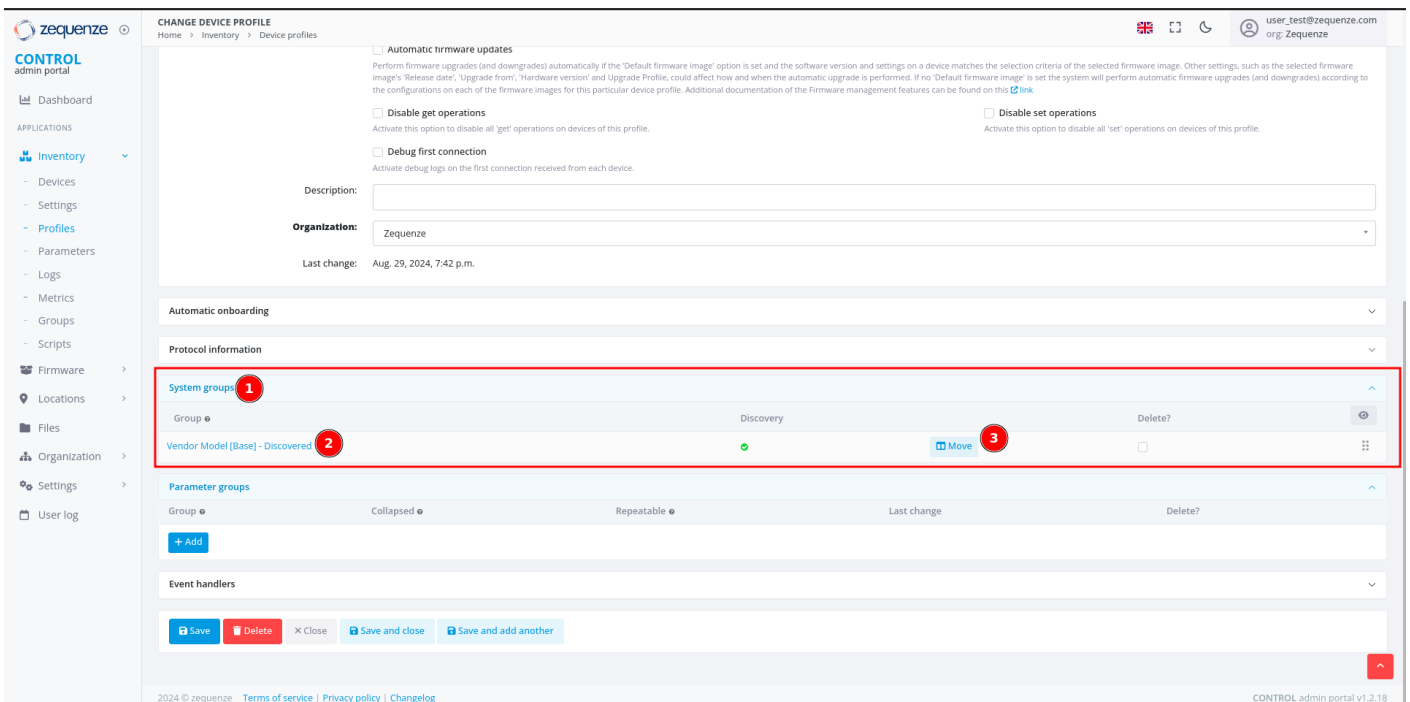
## Access the Profile

Click on the profile name to open its details:



# Locate System Groups

Inside the profile, scroll down to the bottom of the page to find the **System groups** section:



This section contains:

1. **System groups** — Where discovered parameters are stored.

- Group** — The name of the parameter group. For discovered parameters, this is typically the profile name followed by "Discovered".
- Move** — A button that displays the parameters and their count.

## View Parameter Details

Click the **"Move"** button to open the parameter viewer:

The screenshot shows the 'MOVE PARAMETER GROUPS' interface. The main table lists parameters with columns for Variable name, Type, Read-only, Notifications, and Discovered value. A red box highlights the table, and a red circle '5' is placed over the 'Device.Bridging.Bridge.1.Alias' row. A search bar at the top has a red circle '1' over the search input, a red circle '2' over the search button, a red circle '3' over the 'Close' button, and a red circle '4' over the 'Move' button. At the bottom, a pagination bar shows '7326 results' and a 'Save' button, with a red circle '6' over the pagination controls and a red circle '7' over the 'Save' button. The sidebar on the right shows 'set operations' with a 'Delete?' button and a red circle '5' over the 'Delete?' button.

Variable name	Type	Read-only	Notifications	Discovered value
Device.	String	●	-	-
Device.Bridging.	String	●	-	-
Device.Bridging.Bridge.	String	●	-	-
Device.Bridging.Bridge.1.	String	●	-	-
Device.Bridging.Bridge.1.Alias	String	●	-	cpe-1
Device.Bridging.Bridge.1.Enable	Boolean	●	-	1
Device.Bridging.Bridge.1.Port.	String	●	-	-
Device.Bridging.Bridge.1.Port.1.	String	●	-	-
Device.Bridging.Bridge.1.Port.1.AcceptableFrameTypes	String	●	-	AdmitAll
Device.Bridging.Bridge.1.Port.1.Alias	String	●	-	cpe-1

This window displays:

- Variable name** — The name of each discovered parameter.
- Type** — The parameter data type (e.g., string, integer, date, etc.).
- Read-only** — Indicates whether the parameter is read-only or writable.
- Discovered value** — The value discovered from the example device.
- Values** — A table containing all parameter information.
- Pages** — Navigation controls for browsing multiple pages of parameters.
- Quantity** — The total number of parameters available for this device with its current firmware or software version.

“ **Reference:** For detailed information about parameters, consult the standard documentation for [TR-098](#) or [TR-181](#).

## Next Steps

You can now export all discovered parameters to Excel or other formats for local analysis. This process will be covered in the next section.

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