

# OBTAIN How To: Expanded Devices

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## **Make a Device expandable:**

- a) All Devices now have an “Add Expansion Units” option check-box on the Devices screen, located right above the “Historical Notes” box.
- b) Clicking the “Add Expansion Units” option causes an “Expansion Units” control tab page to be added to the Device.
- c) The Expansion Units control tab allows users to define the expansion boxes that exist for the Master Device.

## **Create a new Expansion Module:**

- a) On the “Expansion Units” control tab for a Device, click the “Add to the List” button.
- b) Click “New Module”.
- c) Input a “Module Name”.
- d) Optionally, you can also input two Notes, a Serial Number and an Asset Number.
- e) After inputting the proper information, click the “Add” button.
- f) A new Expansion Module has now been added to the Device.

## **Create a new Expansion Frame:**

- a) On the “Expansion Units” control tab for a Device, click the “Add to the List” button.
- b) Click “New Frame”.
- c) Input a “Frame Name”.
- d) Optionally, you can also input two Notes, a Serial Number and an Asset Number.
- e) After inputting the proper information, click the “Add” button.
- f) A new Expansion Frame has now been added to the Device.

## **Attach an existing Device to the Master Device:**

- a) On the “Expansion Units” control tab for a Device, click the “Add to the List” button.
- b) Click “Existing Device”.
- c) Enter text into the “Enter the Device Name” box to find the existing Device you wish to attach to the Master Device. To assist in searching you can optionally check off the “List Only Expansion Unit Models” box which will only list Devices with the Expansion Unit feature.
- d) Click the desired Device in the list and then click the “Add” button.
- e) An existing Device has now been attached to the Master Device as an expansion.

## **Attach an existing Rack to the Master Device:**

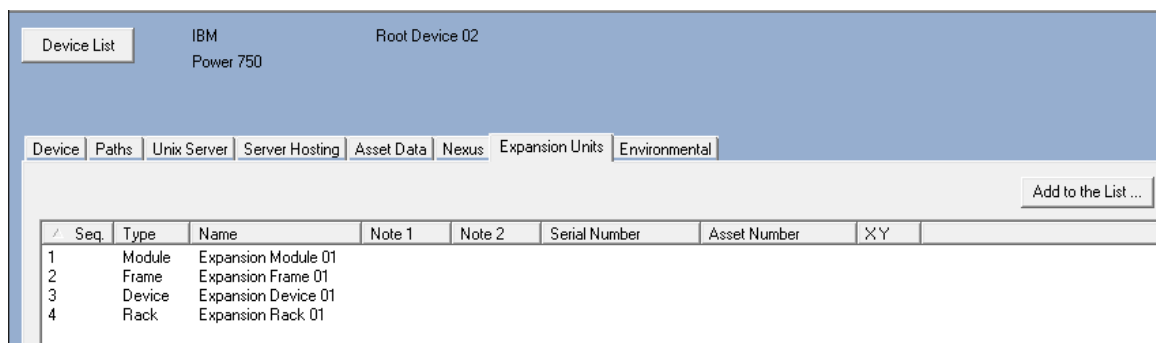
- a) On the “Expansion Units” control tab of a Device, click the “Add to the List” button.
- b) Click “Existing Rack”.
- c) Enter text into the “Search Rack Names For” box to find the existing Rack you wish to attach to the Master Device.
- d) Click the desired Rack in the list and then click the “Add” button.
- e) An existing Rack has now been attached to the Master Device as an expansion.

### Create a new Expansion Device:

- a) On the “Expansion Units” control tab of a Device, click the “Add to the List” button.
- b) Click “New Device”.
- c) Enter text into the “Model Search” bar to find the Model you wish to use to create the new Expansion Device. If a Model does not yet exist for the Expansion Device you wish to create then click the “New Model” button and define a new Model. Optionally, you can check off the “List only Company-wide Models” or “List only Expansion Unit Models” to help narrow down the Model search.
- d) Click the Model, in the list, that you wish to use to create the new Expansion Device.
- e) Enter a “Device Name”.
- f) If you wish to add more than one Expansion Device you can use the arrows keys next to the “Number of Devices to Add” box to change the value to the number of Devices you want to create. If you choose to create more than one Expansion Device an “Auto Increment Digits” box will appear. Click the on the characters in the “Device Name” that you want to use as the incrementing value when creating the multiple Devices.
- g) Click the “Add” button.
- h) A new Expansion Device has now been attached to the Master Device.

### Create a new Expansion Rack:

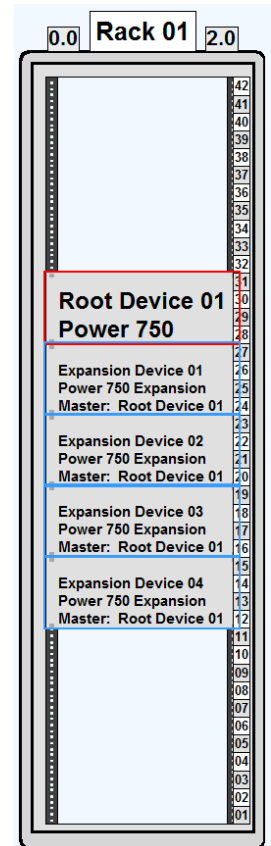
- a) On the “Expansion Units” control tab for a Device, click the “Add to the List” button.
- b) Click “New Rack”.
- c) Select the desired “Rack Type” from the “Rack Type” drop-down list. Click the Rack Type that you wish to use to create the new Expansion Rack.
- d) You can choose to assign the new Rack to a Location now or later.
- e) In the “Create in Rack Group” drop-down menu, select the target Rack Group for the new Rack.
- f) In the “Insert New Racks Before” drop-down menu, select where in the order of Racks for the Rack Group, you wish to have the Rack positioned.
- g) Enter a “Rack Name”.
- h) If you wish to add more than one Expansion Rack you can use the arrows keys next to the “Number of Racks to Add” box to change the value to the number of Racks you want to create. If you choose to create more than one Expansion Rack an “Auto Increment Digits” box will appear. Click the on the characters in the “Rack Name” that you want to use as the incrementing value when creating the multiple Racks.
- i) Click the “Add” button.
- j) A new Expansion Rack has now been attached to the Master Device.



(Figure 1)

### Mounting Master Devices and Expansion Devices:

- a) Mounting Master Devices and Expansion Devices is no different than mounting any other asset into a Rack, in OBTAIN.
- b) Open the “Racks” window.
- c) Locate the Rack in which you wish to mount the Master Device and Expansion Devices.
- d) Right-click inside the Rack and click “Mount an Asset” / “Device”.
- e) Search for the Master Device then drag and drop it into the Rack at the desired RU.
- f) Search for the Expansion Devices then drag and drop them into the Rack at the desired RU spaces.
- g) When mounted in a Rack, the Master Device will show the same information as any other asset mounted in a Rack. Expansion Devices will display an additional text line showing the Name of their Master Device.
- h) Additionally, whenever the Master Device is selected, itself and all of the Expansion Devices attached to it will be highlighted in blue indicating that they are one logical Device. (See Figure 2).



(Figure 2)

### Deleting Expansion Units:

- a) To delete an Expansion Module, highlight the Module in the list of Expansion Units and then click the “Delete Module” button.
- b) To delete an Expansion Frame, highlight the Frame in the list of Expansion Units and then click the “Delete Frame” button.
- c) To delete an Expansion Device, highlight the Device in the Expansion Units list and can click the “Delete Device” button which will remove the Device from the Master Device and also remove it from the Device Inventory. Optionally, if you want to only remove the Expansion Device from the Master Device but keep it in the Device inventory click the “Remove from List” button.
- d) To delete an Expansion Rack, highlight the Rack in the Expansion Units list and click the “Delete Rack” button which will remove the Rack from the Master Device and also remove it from the Rack Inventory. Optionally, if you want to only remove the Expansion Rack from the Master Device but keep the Rack in the Rack Inventory, click the “Remove from List” button.

### Removing the Expansion Units control tab from a Device:

- a) To remove the “Expansion Units” control tab from a Device you must first delete any and all Expansion Units attached to that Device.
- b) After all Expansion Units have been removed from the Device, the “Has Expansion Units” checkbox on the “Device” control tab will become clickable.
- c) Uncheck the “Has Expansion Units” checkbox and the “Expansion Units” control tab will be removed from the Device.

## Q&A

- 1) When I upgrade what happens to the Frames and Modules that I already have defined in the “Frames” control tab of Devices?

When you upgrade, the Frames and Modules you previously had defined will be listed in the Expansion Units control tab, instead of the old Frames control tab. Any pre-existing Modules that were mounted in a Rack in the OBTAIN Rack Inventory, will be converted to Expansion Unit Devices during the upgrade process, based on the \*Standard\*: Expansion Unit Model. We recommend that you create your own Model Definitions of these Expansion Units, and then use the ‘Devices / Models / Change Model of Device’ menu option to re-classify your Expansion Devices.

- 2) If I’m looking at an Expansion Device’s “Device” page how do I know what Master Device it is expanding?

When looking at the “Device” control tab for an Expansion Device, there will be a “Part of” box which will display the name of the Master Device, and provides a “Jump” button allowing you to view the Master Device.