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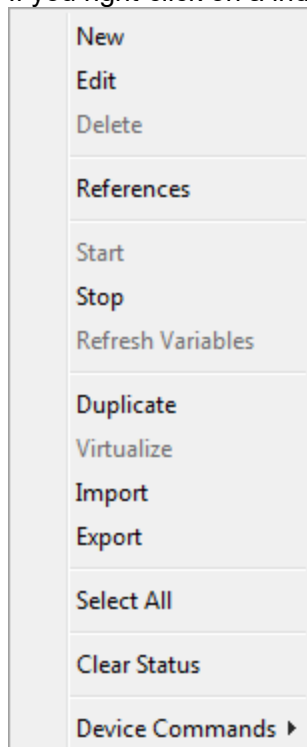
Controlling devices

When a device row is selected in the table, the buttons at the bottom of the Devices tab become enabled or disabled. This is based on the current state of the device and the function of the button.

A single device row or multiple device rows can be selected and then the function buttons are used, but the state of each device will determine if the function can be performed.

Button	Description
New	Define a new device.
Edit	Edit the device definition. This can be used when the device is in the **Started** or **Stopped** state, but care should be taken when modifying the definition of a **Started** device. This is only available for a single device row selection.
Start	Available when the device is in a **Stopped** state. Change the device to the **Started** state.
Stop	Available when the device is in the **Started** or **Disabled** state. Change the device to the **Stopped** state.
Delete	Available when the device is in the **Stopped** state. Delete the device definition from the node.
Refresh	Refresh the information displayed in the **Devices** tab. The Workbench will periodically refresh the information on its own without the Refresh button being used.

A device's pop-up menu

If you right-click on a individual device in the device table, a pop-up menu with options is displayed:

Some menu options will not be available depending on the device's state and the device type. The following describes the menu options available from the pop-up menu:

Option	Description
New	Displays a New Device window to define a new device.
Edit	Displays a Device window to view and edit the device's definition. When editing a device, keep the following in mind: • When editing and then saving a started device, the device will be stopped and then saved. You will need to start the device after it has been saved. • If the device is being edited by another person, you will receive a message indicating the device is locked but still available for view only access.
Delete	Deletes the device. The device must be in a Stopped state to allow deleting.
References	Displays a list of items that have a reference to the device and a list of items that are referenced by the device.
Start	Starts the device. The device must be in a Stopped state to allowing starting.
Stop	Stops the device. The device must be in a Started or Disabled state to allowing stopping.
Refresh Variables	Re-queries the device's variable structure.
Duplicate	Duplicates (copies) the device definition. The option allows entering a new name for the copy of the device.
Virtualize	Duplicates (copies) the device definition into a virtual copy of the device's variable structure. The option allows entering a new name for the virtual copy of the device.
Import	Displays the Import window, allowing the selection of a previously exported export file.
Export	Displays the Export window with the selected device and allows the device and its dependencies to be selected for export to a file on the Workbench's computer. For more information on the Export function, see Exporting a project or trigger.
Select All	Selects all of the devices. If you want to exclude one or more devices from your selection, after using select all, press and hold down the Ctrl key, and then click on the device's row in the table.
Clear Status	Clears the execution counters and status from the device table and the Status tab for the device.
Device Commands	If the device supports device commands, they will be available for selection. The device commands are specific to the device driver.

Device table and option considerations

• When editing and then saving a started device, the device will be stopped and then saved. You will need to start the device after it has been saved.

• If the device is being edited by another person, you will receive a message indicating the device is locked but still available for view only access.

- Some of the options can be used when multiple devices are selected. You can use Ctrl-A, Select All, Shift-click, Ctrl-click, or press and hold the mouse button while swiping multiple rows to select multiple devices. Then right-click to display the pop-up menu and selecting an option will attempt to apply the option to the multiple selected items. If the option can not be applied, a message window will indicate the selections that will be applied. For example, select three stopped devices and then select **Start**.

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