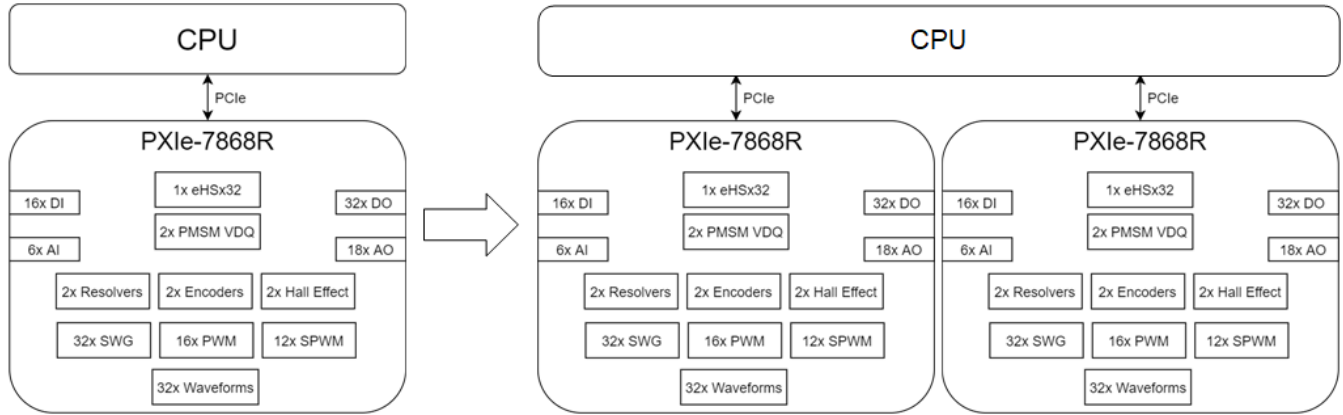


# How to Duplicate an Existing Hardware Configuration

One of the features of the [Hardware Configuration Manager](#) is the ability to duplicate an existing hardware configuration to extend its capabilities.

For example, consider a case where a user would like to simulate four independent PMSM motors on two different PXIe-7868Rs. To achieve this, we can create a new hardware configuration by duplicating an existing one containing a Dual PMSM machine model on one PXIe-7868R, e.g. the [eHSx32\\_Dual\\_PMSM\\_VDQ\\_IO\\_32DO\\_7868R](#). This will allow the simulation of double the resources on two separate PXIe-7868R FPGA targets.



## Procedure

1. From the Power Electronics Add-On Main Page, launch the Hardware Configuration Manager by clicking the **Launch HCM** button on the toolbar.
2. Select the **eHSx32\_Dual\_PMSM\_VDQ\_IO\_32DO\_7868R** configuration from the Installed Configurations list.
3. Click the **>>** button twice to populate the Selected Bitfiles list with the duplicate configuration. Note that this process also auto-assigns the FPGA Identifier.
4. Enter a **New Hardware Configuration Name** and **Description** into the provided text boxes, and then click **Create New Hardware Configuration**.

The newly created Hardware Configuration will now be available for selection on the Power Electronics Add-On Main Page drop-down.

Target	Bitfile
FPGA0	eHSx64_Dual_PMSM_VDQ_IO_7868R.lvbitx

## Related Links

[Hardware Configuration Manager](#)

[How to Select a Hardware Configuration](#)

[Supported Hardware Configurations](#)