

Lesson 3. I/O Modules (IOM)

Objectives:

- create new IOMs
- configure the IOMs

Creating an IOM

Step 1 Set up *Control Builder* with 2 Tree Views and expand the *IOM* directory under the *Library Tree*.

Step 2 Drag and drop an *IOM* from the Library to the Project Tab or Select *File-- New-- IO Modules* and select from the menu.

Note that Control Builder automatically names the IOM.

You can change the IOM name with *Configure Parameters*.

Configuring an IOM

Step 1 Double click on the *IOM* under the *Project Tab* to bring up the configuration dialog box.

Step 2 Fill out the properties of the various tabs of the dialog box.

- Main
- Module Configuration
- Channel Configuration
- Server Parameters

I/O Parameters Configuration -- Main Tab

- **Enter a module name.**
- **Enter I/O module location and communication link**
 - **IOM Slot Number**
 - **Remote I/O Chassis MAC Address**
 - **Downlink CNI Slot Number**

I/O Parameters Configuration -- Channel Configuration Tab

- Enter appropriate data for the type of I/O Module configuring.
- Use “*Copy Channel Data ...*” button to speed input for similar channels.
- Review the information displayed in the *Channel Selected* box to verify inputs.

I/O Parameters Configuration -- Server Parameters Tab

- **Default Detail Display and Group Display references are supplied and generally used as is**
- **Since I/O modules (as well as CPM and CEE modules) will be viewed as points in the server, an area database may be specified**

Assigning and Loading IOMs

- After configuration completed, IOMs must be assigned to a CEE and loaded to the CEE
- To Assign:
 - Select the assign icon =
 - In the assignment display, select the IOM tab
 - Select the IOMs to assign, select the CEE to assign to
 - Press the *Assign* button

Assigning and Loading IOMs

- Loading: From the Assignment Display
 - Select the IOMs to load from the *Assigned Modules* column
 - Press the *Load* button
- Loading: From Project Tree View
 - Select individual IOM(s) and select the down arrow
 - or Select the CEE and select *Tools* ➡ *Load With Contents* to load all assigned IOMs