

Ultrix-OE is a DashBoard extension that allows DashBoard to act as if it is connected to a physical router. This allows editing or creation of an Ultrix control system database without the need to change things in a live situation.

This document outlines how to install the Ultrix-OE application and create off-line databases to be later exported to a physical router.

Overview

The Ultrix-OE is an application designed to enable you to create virtual databases in an off-line environment. You can create databases based on the type of routers (Ultrix, NK Series, or a third-party device), specify the slots and the number of inputs and outputs that will be available in the database, and define the database settings without connecting to a physical router.

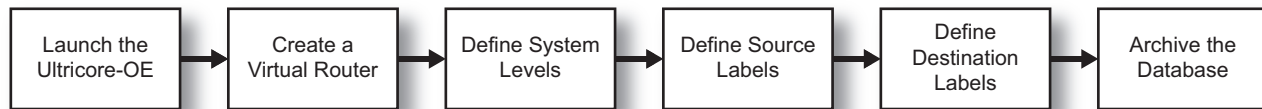


Figure 3.1 Creating a New Virtual Database

Installing the Ultrix-OE

You must first install and launch the Ultrix-OE on your DashBoard client computer before its nodes display in the DashBoard Tree View.

To install and run the Ultrix-OE on your DashBoard client computer

1. Download the Ultrix-OE zip folder from the Ross Video website to your DashBoard client computer.
2. Extract the Ultrix-OE application from the zip folder.
3. Double-click the executable (*.exe) file with the green icon for your operating system.

Adding the Ultrix-OE to the Tree View in DashBoard

Once the Ultrix-OE is running, it displays in the DashBoard Tree View similar to a connected (physical) Ultrix router. The familiar nodes are present with the addition of a new one: the **Frame I/O Builder**. The Frame I/O Builder is used to create virtual routers, allowing you to specify the number of slots, video I/O, audio I/O, and enable the Ultrix feature for a slot, and specify the number of Ultrix Heads available.

★ Ultrix-OE must be running on your DashBoard client computer before you can access it via the Tree View in DashBoard.

To manually add the Ultrix-OE to the Tree View in DashBoard

1. Launch DashBoard on your DashBoard client computer.
2. In the **Basic Tree View** toolbar of DashBoard, click **+**.
The **Select Equipment or Service Type to Add** dialog opens.
3. Expand the **openGear/DashBoard Connect** node.
4. Select **TCP/IP DashBoard Connect or openGear Device**.
5. Click **Next >**.

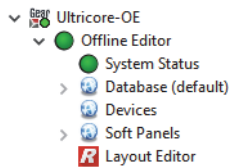
The **TCP/IP DashBoard Connect/openGear Device** dialog opens.

6. In the **IP Address** field, type **127.0.0.1**.
7. In the **Port** field, select **5256**.
8. Click **Detect Frame Information** to automatically retrieve the remaining connection details.
9. Click **Finish**.

The Ultracore-OE displays as a new node in the **Tree View**.

To access the Ultracore-OE interfaces

1. Locate the **Ultracore-OE** node in the Tree View of the DashBoard window.
2. Expand the **Ultracore-OE** node.
3. Expand the **Offline Editor** sub-node.



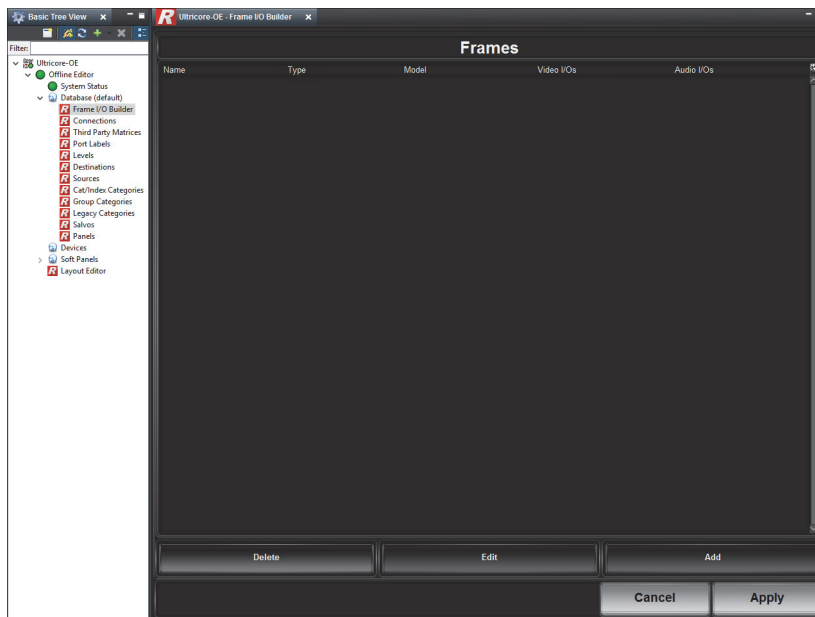
Creating a Virtual Router

Creation of an Ultracore-OE database requires some devices to build the database against. The Frame I/O Builder interface enables you to create virtual routing units based on the router type.

To create a virtual router using the Ultracore-OE

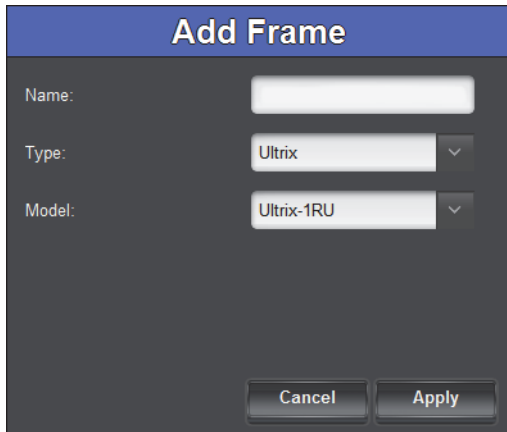
1. Display the Ultracore-OE in DashBoard as outlined in the section “**To access the Ultracore-OE interfaces**”.
2. Expand the **Database** sub-node.
3. Double-click the **Frame I/O Builder** sub-node.

The Frame I/O Builder interface displays in the DashBoard window.



- Click **Add**.

The **Add Frame** dialog opens.



- Use the **Name** field to specify a unique identifier for the virtual router.

This name will be applied to the physical router when you import the database to it.

- Use the **Type** menu to specify the router chassis the database will be for.

★ The **Type** menu is set to **Ultrix** by default.

- Use the **Model** menu to define the size of router you want to create a database for.

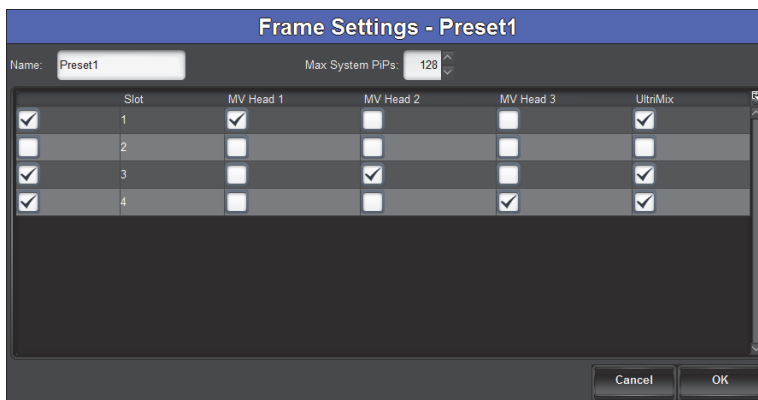
- Click **Apply**.

- The **Add Frame** dialog closes.
- The **Frame I/O Builder** table displays the virtual router as a new row.
- The **Video I/Os** and **Audio I/Os** cells to specify the number of inputs and outputs based on the **Type** and **Model** settings.

To edit the settings of a virtual router

- In the **Frame I/O Builder** interface, select the row for the virtual router you wish to edit.
- Click **Edit**.

The **Frame Settings** dialog opens.



Slot	MV Head 1	MV Head 2	MV Head 3	UltraMix
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

- Use the first column to specify the slot(s) that will be enabled on the virtual router.

In the previous example Slots 1, 3, and 4 are enabled.

4. Use the **MV Head** columns to assign the UltraScape Head(s) to the router output(s).
5. Use the **UltrMix** column to specify which slots that will include an audio matrix.
6. Click **OK**.

The dialog closes and the new settings are applied.

7. Repeat steps 1 to 6 for each virtual router you wish to edit.
8. Click **Apply** at the bottom of the Frame I/O Builder interface to save your virtual router settings to disk.

Creating an Off-line Database

Once at least one virtual router is defined, a database may be created based on its configuration and I/O. This database then can be applied to a physical device.

- ★ All virtual routers are available when creating an off-line database. Ensure that you are selecting the correct slot(s) when configuring your levels, sources, and destinations.

To create an off-line database

1. Create at least one virtual router as outlined in the previous section.
2. Select **Ultracore-OE > Offline Editor > System Status > Database**.
3. Create an off-line database as outlined in the section “**Creating a New Database**” on page 62.
4. Build your database using the **Offline Editor** nodes as outlined in the *Ultrix User Guide*:

- ★ When building off-line databases using the following procedures, you would select **Ultracore-OE > Offline Editor > Database** to access the sub-nodes instead of Ultrix > Database as outlined in the procedures.

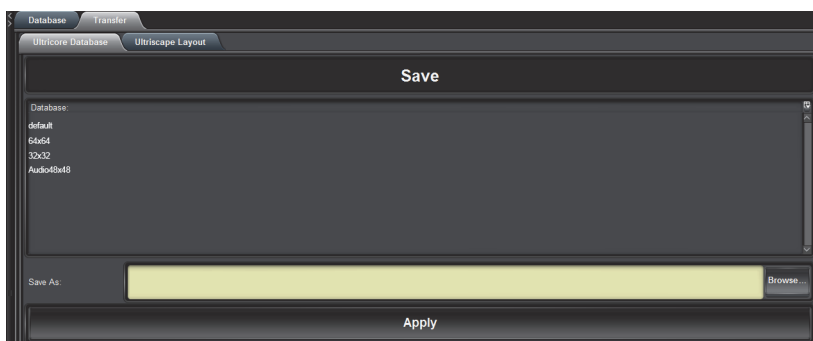
5. Proceed to archive the database as outlined in the next section.

Exporting an Off-line Database

Once off-line database editing is complete, the off-line database may then be archived to the DashBoard client computer file system, to be then imported into a physical device.

To archive a database

1. Ensure you are still in **Ultracore-OE > Offline Editor** interface.
2. Select **System Status > Transfer > Ultracore Database**.
3. Locate the **Save** area of the tab.



4. From the **Database** list in the tab, select the off-line database you wish to archive.
5. Click **Browse...** to specify the location to save the database file to.

The **Archive** read-only field updates with the selected path and database name.

6. Click **Save**.

The **Downloading Archive** dialog opens to report the status of the export.

Importing an Off-line Database to a Physical Router

You can import any archive off-line database to a physical router using the method outlined in the section “**Importing a Database**” in the *Ultrix User Guide*. Ensure that the physical router that you are importing the off-line database to is the same Model and Type as the virtual router used to build the database.