



Hot-Swap Procedure

Each Optixia chassis provides the ability of removing and reinstalling a Load Module without requiring the removal of power from the rest of the chassis. The process of removing/installing a Load Module does not impact either the operation of the OS or load modules installed in the chassis. The following features are part of the installation/removal process:

- Remove Notification sent to you through IxServer and IxExplorer
- No impact on tests operating on other cards
- Safe power application/removal from the card interface

Legacy modules installed in the SFF adapter module can also be hot-swapped.

Note: The following guidelines should be applied when hot-swapping modules:

- Modules can be hot-swapped in and out of a chassis without impacting server operation only if they are not currently being used to run a test.
- Do not add or remove more than one module at a time.
- Do not add or remove modules during IxServer start up—wait until LCD display shows 'Server OK.'
- 'In Use' LED indicates the module is currently owned by an application. This is to warn of hot-swapping conflicts.

Load Module Hot-Swap Insertion

The process of insertion of a Load Module causes the slot location to apply power to the Load Module and determine that there is no immediate fault condition. The presence of a Load Module in a slot is flagged to IxServer. Upon recognition of a Load Module's presence, IxServer determines if the Load Module is a supported type. All supported types shall be loaded automatically. In all cases, once IxServer has determined the presence of a Load Module in a slot, IxExplorer represents the Load Module as present and advertises the type. For unsupported Load Modules, the module type is shown and is indicated as unsupported in the IxExplorer GUI as long as it resides in a slot.

To insert a load module:

1. Carefully slide the load module along the chassis slot runners until it clicks into place. Ensure that it is firmly connected to the backplane.
2. Secure the holding screws. Be careful not to over tighten the screws.

Note: You should not hot-swap more than one load module at a time into a powered Optixia chassis.

Load Module Hot-Swap Removal

The removal of a load module does not impact the operation of other Load Modules in the chassis with respect to power or independent operation. In the event that an application is using the Load Module, the application operations for that Load Module are terminated and a message is sent to you. In the event that inter-board operations are enabled, the other Load Modules interfacing the removed Load Module are notified of its absence and are instructed to terminate operations to the removed Load Module.

To remove a load module:

1. Loosen the holding screws.
2. Disconnect the load module from the backplane and remove it from the chassis. Be sure to use correct ESD handling procedures at all times.

Note: You should not hot-swap more than one load module at a time into a powered Optixia chassis.

Note: In the event of indications of inadequate power, remove load modules starting from the low-number slots (slot 1, 2, 3), then working upward toward the higher-numbered slots, until the problem is solved.