FreeNAS® Certified Storage Server
Basic Setup & Deployment

**Congratulations on your purchase of a FreeNAS Certified Storage Server!
Here are the steps to get it ready to use:**

Please confirm that your shipment came with all the following parts*

Description	Image	Qty
FreeNAS Certified Server**		1
Populated 3.5" Drive Trays†		Up to 26
Power Cable		2
Rail Kit with Mounting Hardware		1
This Guide		1

*Network cables vary by configuration and are not listed here. Contact your iXsystems Sales Representative if you have any questions.

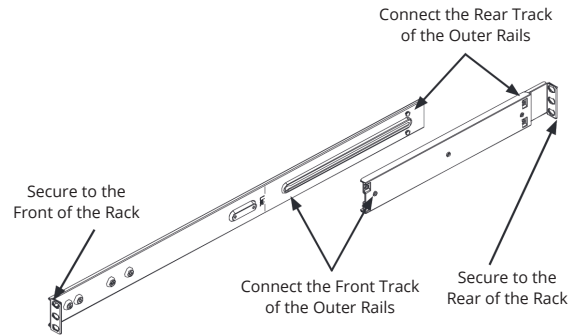**Size of model will vary based on what you purchased.

†Depending on the number of drives purchased.

Note: If your FreeNAS Certified Storage Server arrived in less than pristine condition, immediately take pictures and contact iXsystems Support. To contact iXsystems Support, email **support@iXsystems.com** and have your server serial number on hand.

1U FreeNAS Certified Storage Server Models

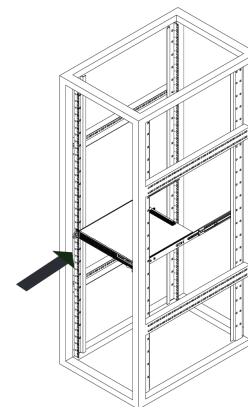### Installing the Outer Rails to the Rack.

1. Attach the short bracket to the outside of the long bracket. Align the pins of the rail with the slides. The ends of each bracket must angle in the same direction.

2. Adjust both the short and long brackets to the proper distance so that the rail fits snugly into the rack.

3. Secure the long bracket to the front side of the outer rail with two M5 screws and the short bracket to the rear side of the outer rail with three M5 screws.

4. Repeat steps 1-3 for the remaining outer rail.

Figure 1. Assembling the Outer Rails

Installing the System into a Rack.

1. Confirm that chassis includes the inner rails and rail extensions. Also, confirm that the outer rails are installed on the rack.

2. Align the chassis rails with the front of the rack rails.

3. Slide the chassis rails into the rack rails, keeping the pressure even on both sides (It may be necessary to depress the locking tabs when inserting). When the server has been pushed completely into the rack, the locking tabs will "click" into the locked position.

4. (Optional) Insert and tighten the thumbscrews that hold the front of the server to the rack.

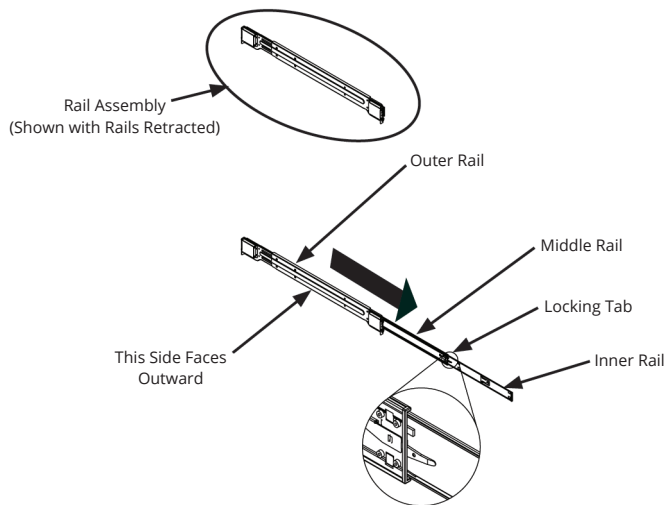**Figure 2.** Installing into a Rack

2U and 4U FreeNAS Certified Storage Server Models (Including FreeNAS Certified Flash)

Identifying the Sections of the Rack Rails.

The chassis package includes two rail assemblies. Each assembly consists of three sections: An inner rail that secures directly to the chassis, an outer rail that secures to the rack, and a middle rail which extends from the outer rail. These assemblies are specifically designed for the left and right side of the chassis.
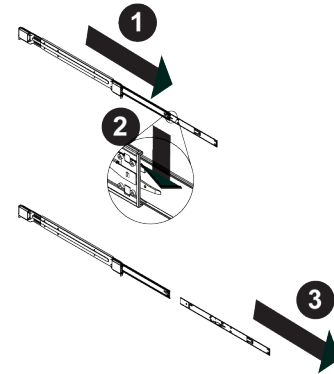

Rail Assembly
(Shown with Rails Retracted)

Outer Rail

Middle Rail

Locking Tab

This Side Faces
Outward

Inner Rail

Figure 3. Identifying the Outer Rail, Middle Rail and Inner Rail
(Left Rail Assembly Shown)

Releasing the Inner Rails from the Outer Rails.

Each inner rail has a locking latch. This latch prevents the server from coming completely out of the rack when when the chassis is pulled out for servicing. To mount the rail onto the chassis, first release the inner rail from the outer rails.
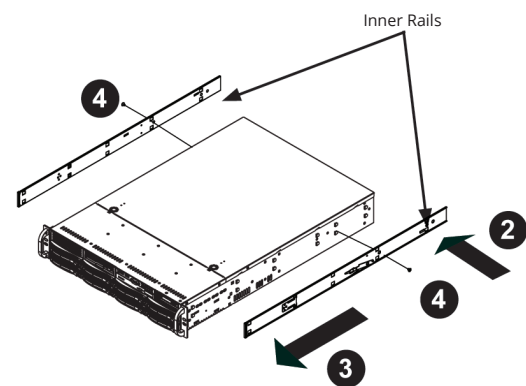
1. Pull the inner rail out of the outer rail until it is fully extended as illustrated in Figure 4.

2. Press the locking tab down to release the inner rail.

3. Pull the inner rail all the way out.

4. Repeat for the other outer rail.

Figure 4. Extending and Releasing the Inner Rail

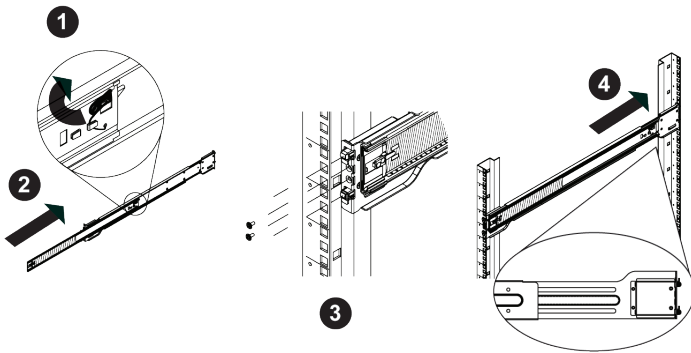### Installing the Inner Rails on the Chassis.

1. Identify the left and right inner rails. They are labeled.

2. Place the inner rail firmly against the side of the chassis, aligning the hooks on the side of the chassis with the holes in the inner rail.

3. Slide the inner rail forward toward the front of the chassis until the quick release bracket snaps into place, securing the rail to the chassis.

4. Optionally, you can further secure the inner rail to the chassis with a screw.
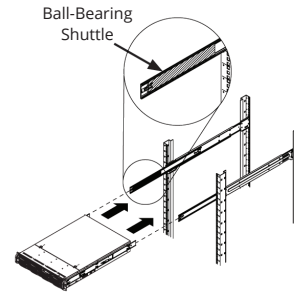
5. Repeat for the other inner rail.

Inner Rails

Figure 5. Installing the Inner Rails

Installing the Outer Rails onto the Rack.

1. Press upward on the locking tab at the rear end of the middle rail.

2. Push the middle rail back into the outer rail.

3. Hang the hooks on the front of the outer rail onto the square holes on the front of the rack. If desired, use screws to secure the outer rails to the rack.

4. Pull out the rear of the outer rail, adjusting the length until it just fits within the posts of the rack.

5. Hang the hooks of the rear section of the outer rail onto the square holes on the rear of the rack. Take care that the proper holes are used so the rails are level. If desired, use screws to secure the rear of the outer rail to the rear of the rack.

Figure 6. Extending and Mounting the Outer Rails

Ball-Bearing
Shuttle

Figure 7. Installing into a Rack

Installing the System into a Rack.

1. Extend the outer rails as illustrated in Figure 7.

2. Align the inner rails of the chassis with the outer rails on the rack.

3. Slide the inner rails into the outer rails, keeping the pressure even on both sides. When the chassis has been pushed completely into the rack, it should click into the locked position.

4. Optional screws may be used to hold the front of the chassis to the rack.

For complete FreeNAS documentation visit:

http://doc.freenas.org/ and select your version of FreeNAS

If you require assistance, contact your iXsystems Support Representative

1 (855) 473-7449 option 2 (US Only Toll-Free); +1 (408) 943-4100 option 2

Email: support@iXsystems.com