



TrueNAS[®] Unified Storage Array Basic Setup & Deployment



MAY 2017 EDITION

Step 1. Check the contents of the box. Confirm that your package contains the following: *

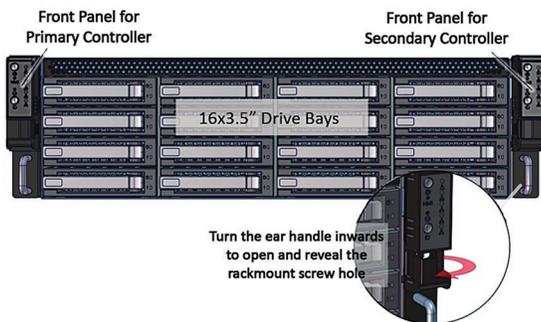
#	Description	Image	Qty
1	TrueNAS Storage Appliance		1
2	Drive Tray		Up to 16**
3	Outer Rail - Left and Right		1 pair
4	8 #32 Thumbscrews		8
5	8 #32 Screws		2
6	Power Cable		2
7	Serial to 3.5mm Cable		1
8	Faceplate		1
9	Install Kit		1
10	This Guide		1

* Network cables vary by configuration and are not listed. Contact your iXsystems Account Manager if you have any questions.

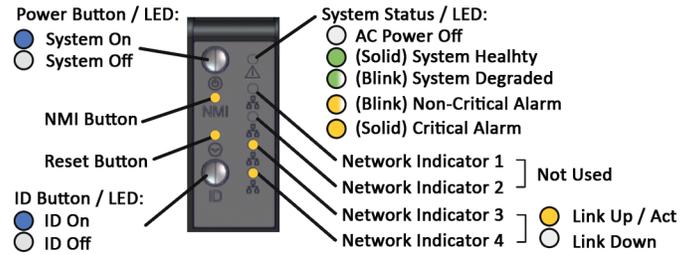
** Unused drive bays will be populated with drive tray blanks to maintain proper airflow.

Note: If the TrueNAS Unified Storage Array arrived with shipping damage, immediately take pictures and contact iXsystems Support at support@ixsystems.com. Have the TrueNAS Array's serial number ready. It is located on the rear of the system.

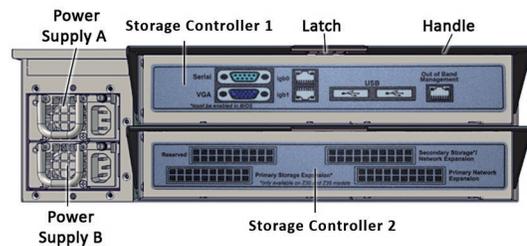
Step 2. Become familiar with the system.



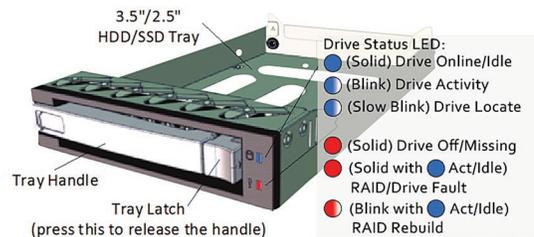
Front view of the Array



Front panel buttons and indicators



Rear view of the Array



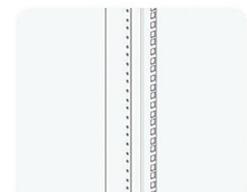
System Drive Tray

Step 3. Determine the type of EIA rack/cabinet.

It will have either round or square style holes on the mounting frame.

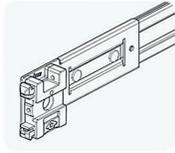


Type 1: Square hole style

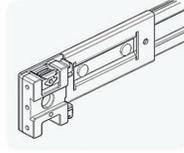


Type 2: Round hole style

Step 4. Match mounting bracket to EIA rack/ cabinet type. The rails shipped with a new TrueNAS Array are set to the square configuration by default.



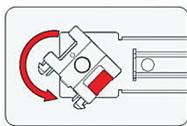
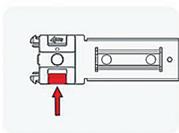
Front end of square hole slide for Type 1 (default)



Front end of round hole slide for Type 2

Caution: Note the orientation of the front and rear rails and install in the correct direction. **The front of the rail has a black plastic rail guide to assist guiding the chassis rail into the outer rails.** If the outer rails are not attached correctly, the TrueNAS Array cannot be mounted on the rails later.

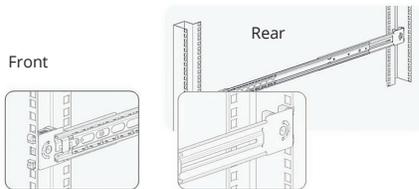
Step 5. Set the rails to the desired position by pressing the button and rotating the bracket to the desired orientation until it locks into place. Repeat this on each bracket.



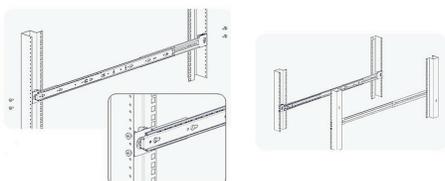
Rotate the bracket to change the hole pattern according to the arrow indicator

Step 6. Mount the outer slide rail on the rack.

Make sure the rail kit is long enough for the rack depth. Double check the outer slide rail orientation before moving on to the next step.



For racks with square holes: snap in the front and back of the outer rail to the front and back of the rack frame. The brackets use a spring-loaded locking mechanism and do not require mounting screws.



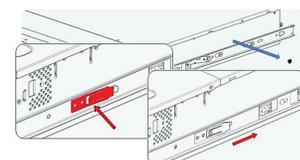
For racks with round holes: Position the rail in the desired position in the rack, and use 8 #32 thumbscrews to secure the rail.

Step 7. Install the chassis. To mount the TrueNAS Array, carefully align the TrueNAS Array's inner rails with the guides in the outer rails that are attached to the rack. Once aligned, slide the appliance toward the rack. Push the unit toward the rack until in the locked position, then use the release locks and push the appliance in the rest of the way until flush with the rack or cabinet. Now secure the system to the rack using 8 #32 screws. You may need to adjust the position of the TrueNAS Array to align the screw holes for securing the unit.

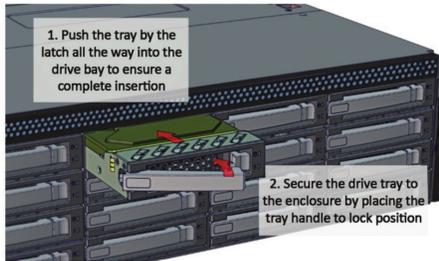
Caution: Two people are required to safely install or remove the TrueNAS Array from a rack or cabinet.



To remove the TrueNAS Array, remove securing screws, fully extend the unit until it is in the locked position, and pull the pin lock latches to release the lock. Now remove the unit from the rack. To remove the inner rails from the TrueNAS Array, remove all securing screws and slide the rail as indicated to release from the system chassis.



Step 8. Install the drive trays in the enclosure.



Step 9. Connect the expansion shelves. Refer to the corresponding Basic Setup & Deployment Guide included with each expansion shelf.

Step 10. Prepare for initial configuration. Connect the network cables and Out of Band Management port before attempting to configure and power on the TrueNAS Array for the first time. If you submitted a pre-configuration worksheet to iXsystems, the Out of Band Management interface will already be configured. Otherwise, you will need to configure the Out of Band Management interface before it can be used.

Refer to the TrueNAS User Guide¹ for instructions on configuring TrueNAS for Out of Band Management. If you are unable to set up Out of Band Management before the initial configuration, connect a VGA monitor and a USB keyboard connected to the TrueNAS Array. **Do not power on the TrueNAS until Step 13.**

Step 11. Attach the TrueNAS faceplate by inserting the two tabs into the holes at the right side of the face of the appliance, then push the left side of the faceplate until it locks into place on the array face. The TrueNAS emblem on the faceplate is a global fault detection LED. When the system is optimal, the emblem LED will shine its normal white color. If there are any errors detected, the emblem LED will change to glowing red. If the emblem LED is red, click the Alert icon in the upper right corner of the TrueNAS UI for more details on the specific error.

Step 12. Power on all expansion shelves that are connected to your TrueNAS Array and wait two minutes before plugging in the power cords on the TrueNAS Array.

Step 13. Plug in the power cords. When you are ready to power on the TrueNAS Array, plug in the two power cords, first into the power supplies then into the power outlet. The power cords are provided in the accessory kit. The array is configured to automatically power on when connected to a power outlet. It is designed this way so that the TrueNAS Array will automatically power back on following a power failure even after the power has been restored.



Note: The power button on the left side of the TrueNAS Array corresponds with Storage Controller 1 (top) and the power button on the right corresponds with Storage Controller 2 (bottom). In non-HA systems, the buttons for Storage Controller 2 are disabled.

Step 14. Perform TrueNAS initial software configuration. If you submitted a pre-configuration worksheet to iXsystems, access the IP address you requested for the TrueNAS Array using a web browser attached to the same network as the TrueNAS Array. Otherwise, contact your TrueNAS Support Representative.

The complete TrueNAS User Guide is available at support.ixsystems.com and by selecting Guide from within the TrueNAS UI.

For assistance, please contact your TrueNAS Support Representative:

8x5: 1 (855) 473-7449 option 2 (US Only Toll-Free)
1 (408) 943-4100 Option 2

Email: support@ixsystems.com

After Hours (24x7 Gold Level Support Only):

1 (855) 499-5131 (US Only Toll-Free)
1 (678)-353-0154 (Local and International)

¹ The Guide is available from support.ixsystems.com or by clicking the Guide icon in the TrueNAS UI.