



TrueNAS E16 Storage Expansion Shelf Basic Setup & Deployment



TrueNAS®

V 1.0



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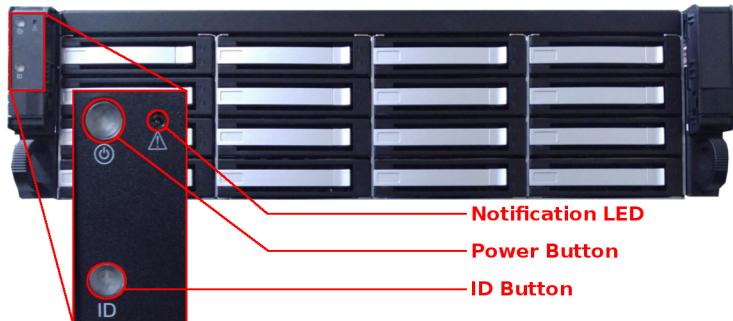
Step 1. Check the contents of the box. Confirm that your package contains the following:

| # | Description | Image / Description | Qty |
|---|-----------------------------|---------------------|-----------|
| 1 | TrueNAS E16 Expansion Shelf | | 1 |
| 2 | Populated 3.5" Drive Trays | | Up to 16* |
| 3 | Power Cables | | 2 |
| 4 | SAS Cables | | 2** |
| 5 | Rail Kit | | 1 |
| 6 | 8#32 Screws | | 4 |
| 7 | This Guide | | 1 |

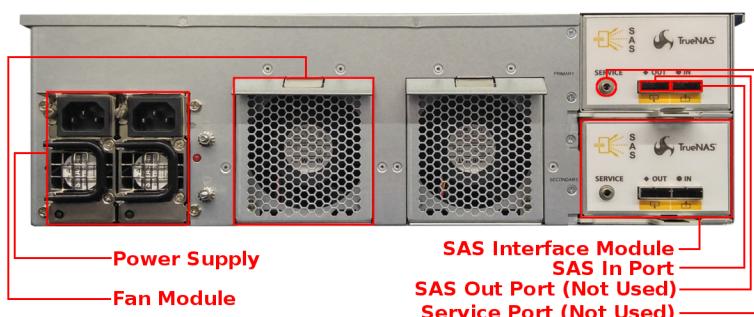
* Unused drive bays will be populated with drive tray blanks to maintain proper airflow.
** Second SAS cable provided for Dual Controller / HA Configurations Only

Note: If your TrueNAS E16 Expansion Shelf arrived in less than pristine condition, immediately take pictures and contact iXsystems Support. To contact iXsystems Support, email truenas-support@ixsystems.com and have your TrueNAS E16 Expansion Shelf serial number ready (located on the rear left side of the system).

Step 2. Get familiar with the system.



Front view of the E16 Expansion Shelf with drives mounted



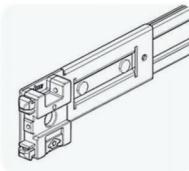
Rear view of the E16 Expansion Shelf



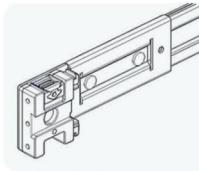
System Drive Tray

Note: Do not install drives yet. It is safer to load the drives after the chassis has been installed in the rack.

Step 3. Match mounting bracket to EIA rack/cabinet type. The rackmount rails shipped with a new TrueNAS E16 Expansion Shelf are set to the square hole configuration by default.



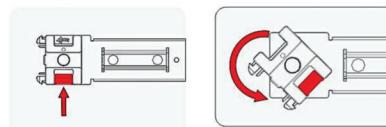
Front end of square hole slide for Type 1 (default)



Front end of roundhole slide for Type 2

Caution: Note the orientation of the rails (front and rear) 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 E16 Expansion Shelf cannot be mounted on the rails later.

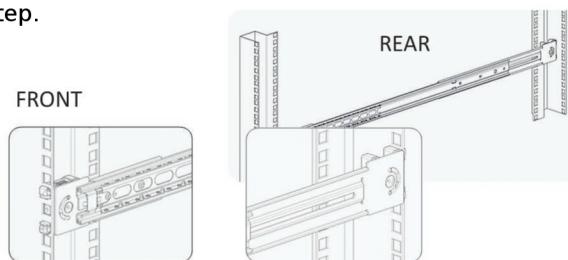
Step 4. Set the rails to the desired position by pressing the button and rotating the bracket to the desired orientation until it locks into place. Repeat this on each bracket.



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

Step 5. 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 to your desired location on the rack and use the included screws to secure the rail.



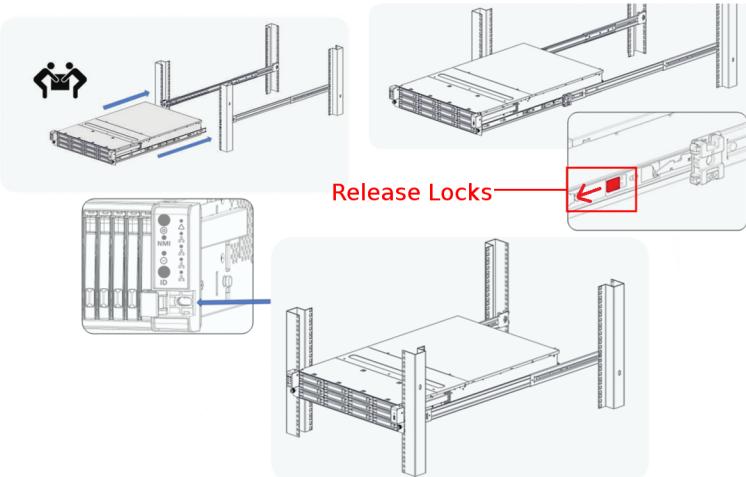
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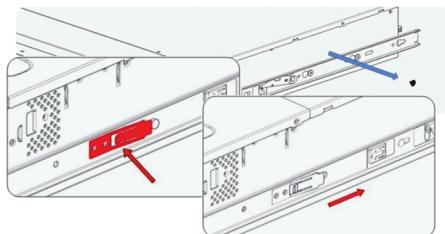
Step 6. Chassis installation. To mount the TrueNAS E16 Expansion Shelf, carefully align the Expansion Shelf's inner rails with the guides in the outer rails that are attached to the rack. After aligned, slide the expansion shelf toward the rack. Push the unit toward the rack until in the locked position, 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 the included screws. You may need to adjust the position of the TrueNAS E16 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.

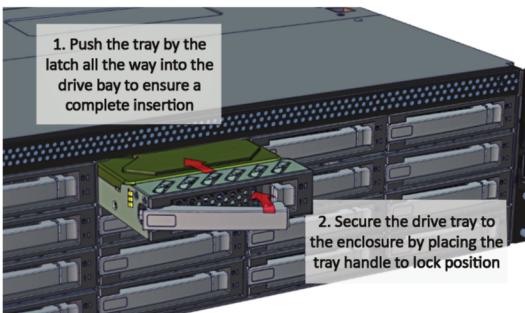


To remove the TrueNAS E16: Remove securing screws, fully extend the unit until it is in the locked position, and pull the pin lock latches to release the lock. Now remove the unit from the rack. To remove the inner rails from the TrueNAS E16, remove all securing screws and slide the rail as indicated to release from the system chassis.

Caution: Two people are required to safely install or remove the TrueNAS E16 from a rack or cabinet.



Step 7. Install the drive trays in the enclosure.



Step 8. Connect your expansion shelf to your TrueNAS Array. Look at the back of your E16 Expansion Shelf and follow the wiring diagram included on the back on this guide, depending on which TrueNAS Array and the number of expansion shelves being connected.

Step 9. Plug in the power cords. When you are ready to power on the TrueNAS E16 Expansion Shelf, 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.



Step 10. Turn on your Expansion Shelf. If you are setting up a new, preconfigured TrueNAS Array, power on all expansion shelves first and wait two minutes before powering on the head unit. If adding a new expansion shelf to an existing TrueNAS Array, simply power on the expansion shelf after the power and SAS cables are connected.

There are two power settings for the TrueNAS E16:

1. Restore AC on power loss - this should be default, the unit will automatically turn on if power is restored after an outage. To toggle this setting, quickly press the power button twice. The power button blinks if this mode is activated.
2. Normal - The unit will stay off if there is an interruption in power. The power button is solid if this mode is activated.

For TrueNAS Documentation:

The complete TrueNAS Admin Guide is available by selecting [Guide](#) from within the TrueNAS UI

If you require assistance, contact your TrueNAS Support Representative:

8x5: 1 (855) 473-7449 option 2 (US only toll-free); +1 (408) 943-4100 option 2

Email: truenas-support@ixsystems.com

After Hours (24x7 Gold Level Support Only):

1 (855) 699-1531 (US only toll-free); +1 (678) 835-6101 (local and international)

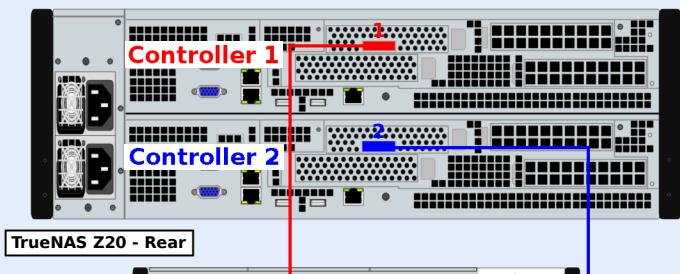


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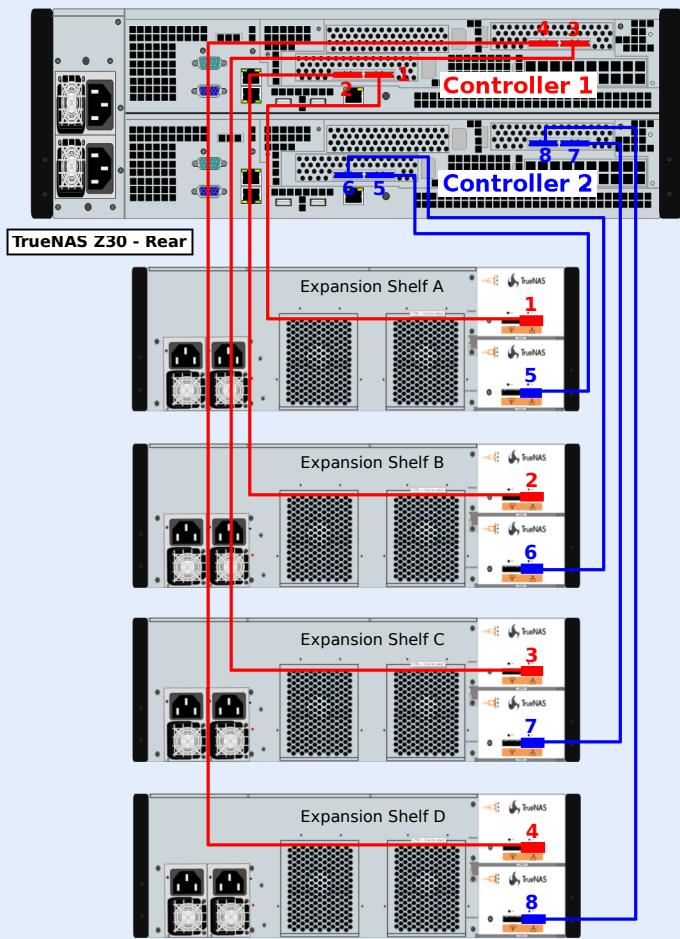
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Z 2 0



Z 3 0



Z 3 5

