



Power metering Specific to Storage Products

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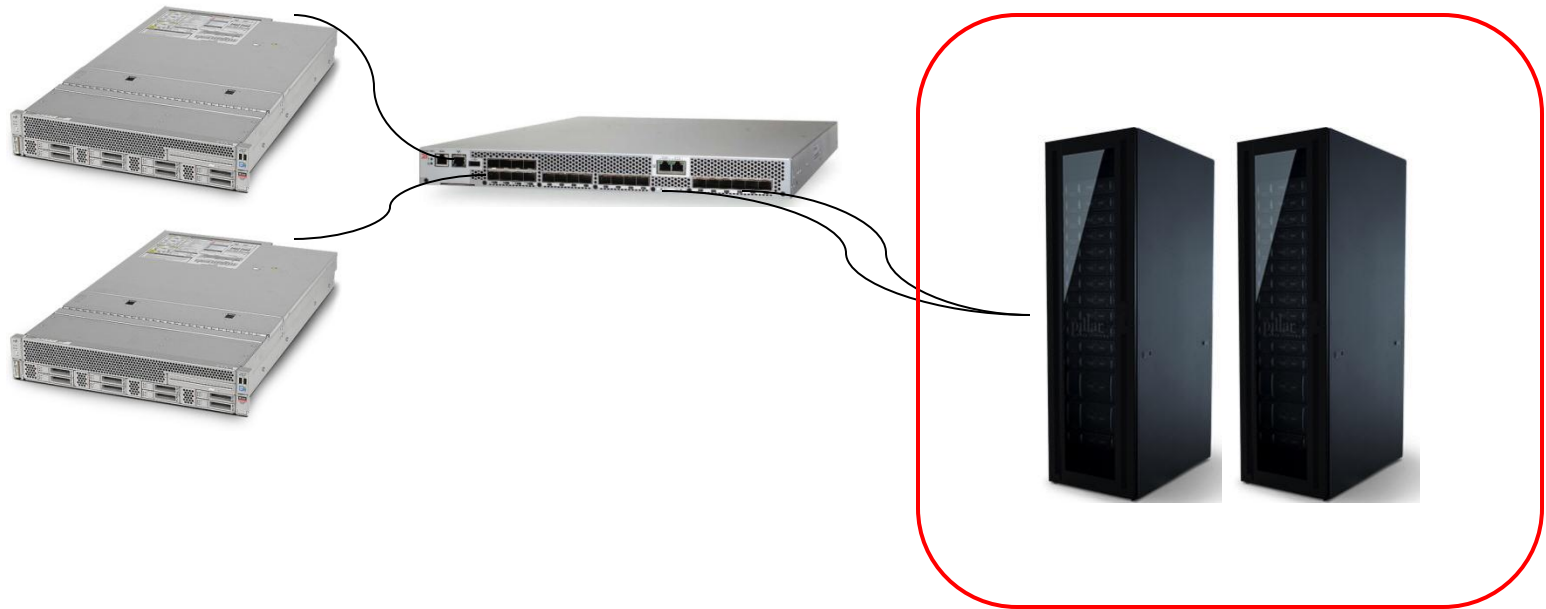
*SNIA Emerald Power Efficiency
Measurement Specification,*
for use in EPA ENERGY STAR®

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Black Box Boundary

- Clearly define the system which requires power measurement



Black Box Boundary continued

- I/O generator server may be in the same rack
 - ◆ Rack level fans, rack level controller, switch
 - ◆ What is the real system under test



Redundancy in Power Supplies

- Measure both power feeds
- Both power supply operational



Systems Get Large

- Multiple racks of equipment to measure
- Use a clamp on the main line feed



Double Check

- Power should be close to what is expected
- Verify power factor
- Three phase setup