

# PowerEdge FX: Workload-defined infrastructure, converged.



**Traditional IT**



**New IT**

Bridge traditional and software-defined workloads on a single modular IT platform.

Its power is in its precision. PowerEdge FX takes a more modular approach to converged infrastructure, which gives you the flexibility to tailor converged compute, storage and networking resources to meet specific workload requirements.

## Run more workloads in less space

**Traditional**

Rack up the web server savings

**New**

Add horsepower to Hadoop

Achieve  
**6x**  
the **density** versus HP<sup>1</sup>

Up to  
**5.87x**  
**faster**  
Hadoop results vs. HP<sup>2</sup>

Pack up to  
**336**  
servers  
per rack

**\$0**  
DENSITY  
premium<sup>3</sup>

Consume up to  
**2.6x**  
less power  
than HP<sup>1</sup>

Up to  
**130% more**  
PROCESSING  
**POWER**  
than Cisco<sup>4</sup>

## Precisely tailor workload performance

**Traditional**

Optimize your Oracle database

**New**

Save with software-defined VDI

Get up to  
**3x**  
the **performance**  
at up to  
**40%**  
lower cost  
vs. HP<sup>5</sup>

Support up to  
**72% more**  
virtual desktops  
in  
**10x**  
less space vs. Cisco<sup>6</sup>

## Maximize resources with next-gen converged

**Traditional**

Cut cabling complexity

**New**

Deliver density for distributed workloads

Up to  
**8x**  
fewer cables  
than Cisco<sup>7</sup>

Up to  
**50% more**  
server-side  
storage than HP<sup>10</sup>

Deploy  
**63%**  
faster  
than HP<sup>8</sup>

And save up to  
**29%**  
in **networking**  
port  
costs vs HP<sup>9</sup>



Visit [Dell.com/fx](http://Dell.com/fx)

1. Based on December 2014 report "Consolidating Web servers with the Dell PowerEdge FX2 and PowerEdge FM120x4 nodes" by Principled Technologies, commissioned by Dell, comparing performance per Watt of a Dell PowerEdge FX2 with 16 FM120 web servers vs. 12 HP ProLiant DL320e servers. Actual performance will vary based on configuration, usage and manufacturing variability.  
2. Based on Dell internal testing of FC430 and FD332 vs. HPDL380p using Teragen, Terasort, and Teraval benchmark performance. Actual performance will vary based on configuration, usage, and manufacturing variability.  
3. Based on December 2014 Dell internal comparison of U.S. list pricing taken from dell.com for a Dell PowerEdge FX2 with 4 FC430 servers and 2 FD332 modules to 4 Dell PowerEdge R730XD servers.  
4. Based on Dell internal analysis comparing the aggregate SPECint processing capability with Intel E5-2600v3 processors supported in a standard EIA server rack.  
5. Based on "Oracle RAC performance: Dell PowerEdge FX2 with Fluid Cache for SAN vs. competing cache solution", a January 2015 Principled Technologies report commissioned by Dell comparing a Dell PowerEdge FX2 and HP ProLiant DL380p. Actual performance will vary based on configuration, usage and manufacturing variability. Pricing claim based on internal analysis using U.S. list pricing taken from dell.com and hp.com in October 2014.  
6. Based on "VDI Performance comparison: Dell PowerEdge FX2 and FC430 servers with VMware Virtual SAN" a December 2014 Principled Technologies report commissioned by Dell.  
7. Based on October 2014 Dell analysis of Dell PowerEdge FX2 and Cisco C-Series rack servers comparing the number of networking cables required per server.  
8. Based on December 2014 Principled Technologies report, "Increasing density and simplifying setup with Intel processor-powered Dell PowerEdge FX2 architecture" commissioned by Dell, comparing deployment of the 11 Dell PowerEdge FX2 with 42 FC630 servers and 42 HP ProLiant Gen9 DL360 servers.  
9. Based on December 2014 Principled Technologies report, "Dell PowerEdge FX2 rack enclosure with FN IO Aggregator: Savings through reduced networking costs" commissioned by Dell, using U.S. list pricing for the Dell PowerEdge FX2 with IO Aggregator versus the HP ProLiant DL360 Gen 9.  
10. Based on October 2014 Dell internal analysis of Dell PowerEdge FX2 and HP SL2500 comparing the maximum capacity of 1.8" and 2.5" form factor server side storage supported by each platform.