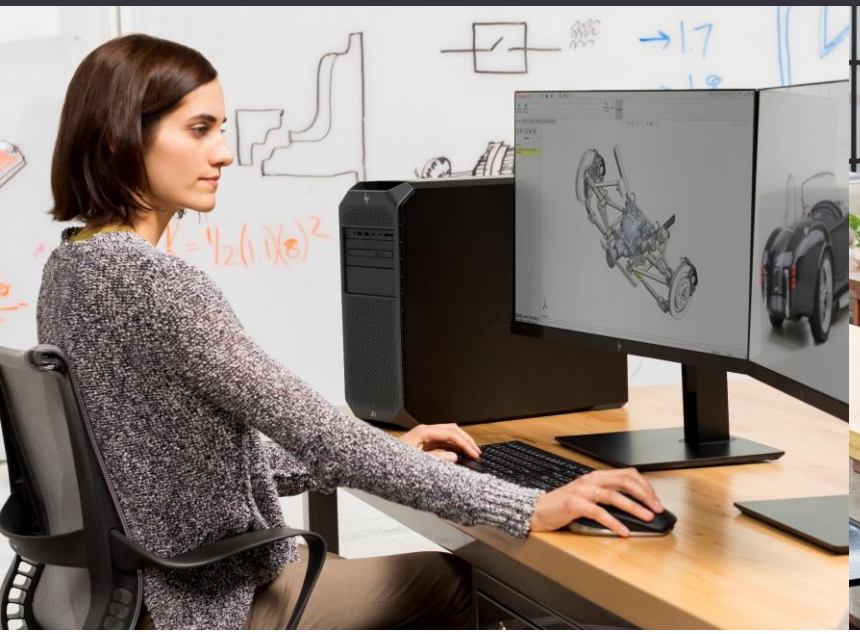
HP ZCentral

Access High Performance from Anywhere

only.
nge without notice.

THE OFFICE OF THE FUTURE IS HERE TODAY

WORKFORCE



AGGRESSIVE COMPETITION FOR SPECIALIZED TALENT

GLOBALIZATION OF TALENT POOLS

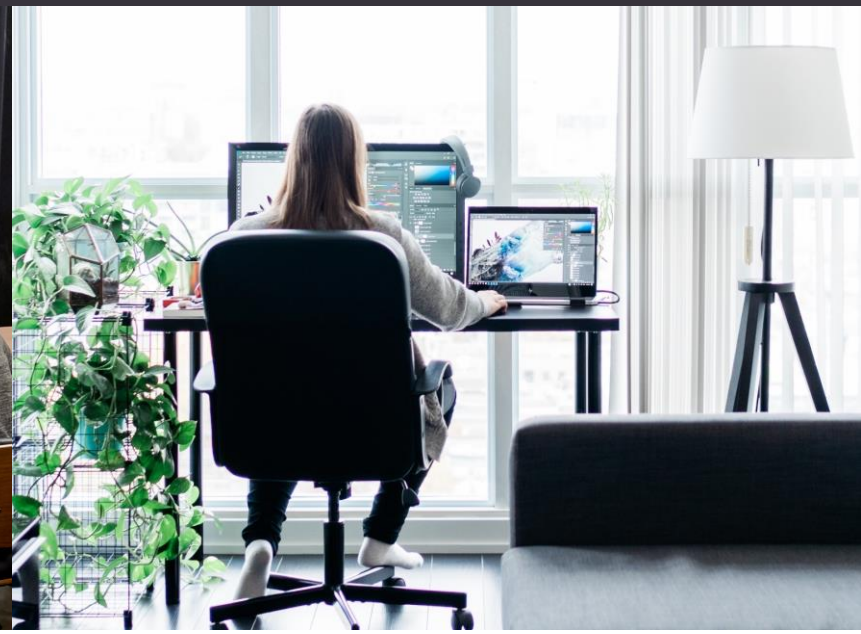
WORKPLACE

DIVERSE PLATFORMS AND DEVICES

INCREASED SECURITY RISKS

NEW DEPLOYMENT MECHANISMS

WORKSTYLES



RISE IN MOBILITY

REMOTE ACCESS WITHOUT COMPROMISES

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OFFICE OF THE FUTURE - CHALLENGES

REMOTE POWER USERS

REMOTE LOCATIONS
GLOBAL TALENT

OPEN WORKSPACES

FREQUENT DESK MOVES

DATA EXPANSION & PERFORMANCE

ACCESSING LARGE DATA FILES

SECURITY & MANAGEABILITY

GROWING THREATS
MULTIPLE DEVICES AND PLATFORMS

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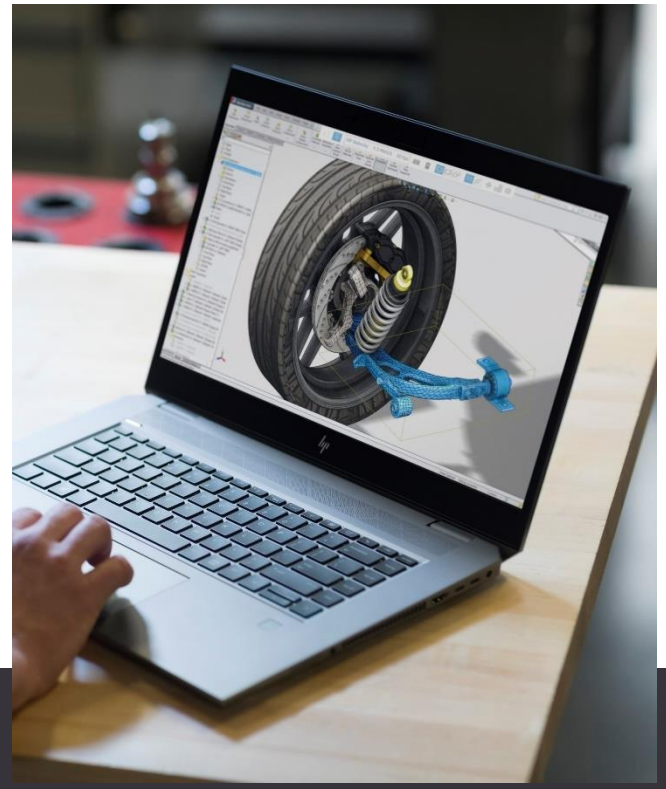
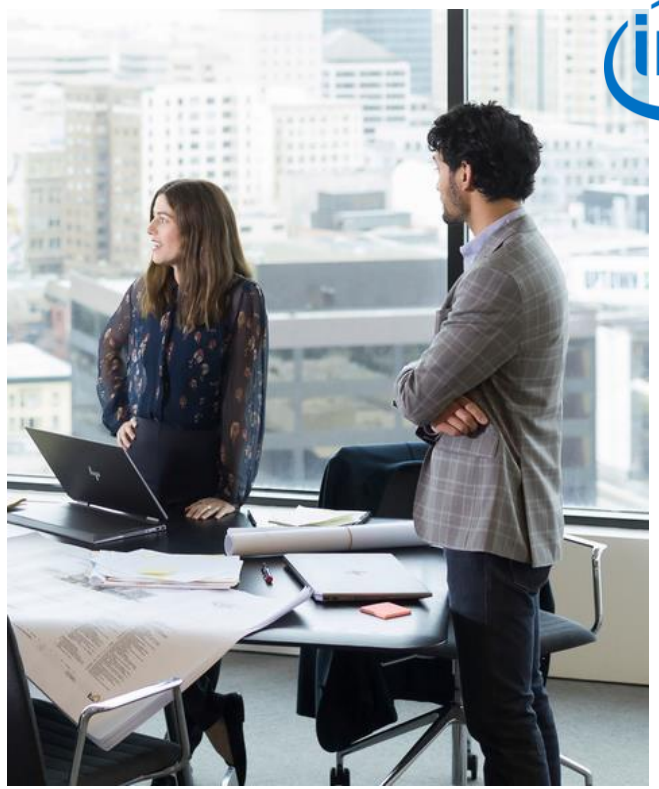
The answer could be software initially developed 15+ years ago….





WORKSTATION ACCESS
FROM ANYWHERE[3]

ZCentral Remote Boost Software

Integrated Collaboration Tools

Exceptional frame rate

Superb Image quality

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WORKSTATION ACCESS FROM ANYWHERE[5]

ZCentral Remote Boost Software*

*Formerly known as RGS

NEW! Better Support for Wacom Tablets enabling artists and engineers a natural inking input experience REMOTELY as if they are local to the machine!

- Dynamic Resizing
- Touch Gestures[12]
- 4K[11] & Multi-Display Support
- Remote USB
- Graphics Hardware Acceleration
- Operating Systems
- HP Velocity
- Software Included[13]

SECURE COMPUTE POWER

Z4,6,8, 4R, Z2 Mini…

Co-locate data and compute for security and faster load times

HIGHLY SECURE

PREDICTABLE HIGH PERFORMANCE

PROFESSIONAL GRAPHICS AND ISV APPS

REMOTE ACCESS

ZCentral Remote Boost[13]

Access workstation power as if you were local

TURN YOUR END DEVICE INTO A WORKSTATION

COLLABORATION

MULTI SCREEN

FLEXIBLE IT

ZCentral Connect[15]

Easily manage remote connections and compute power

REMOTE

ONE SIMPLE INTERFACE

SHARE RESOURCES

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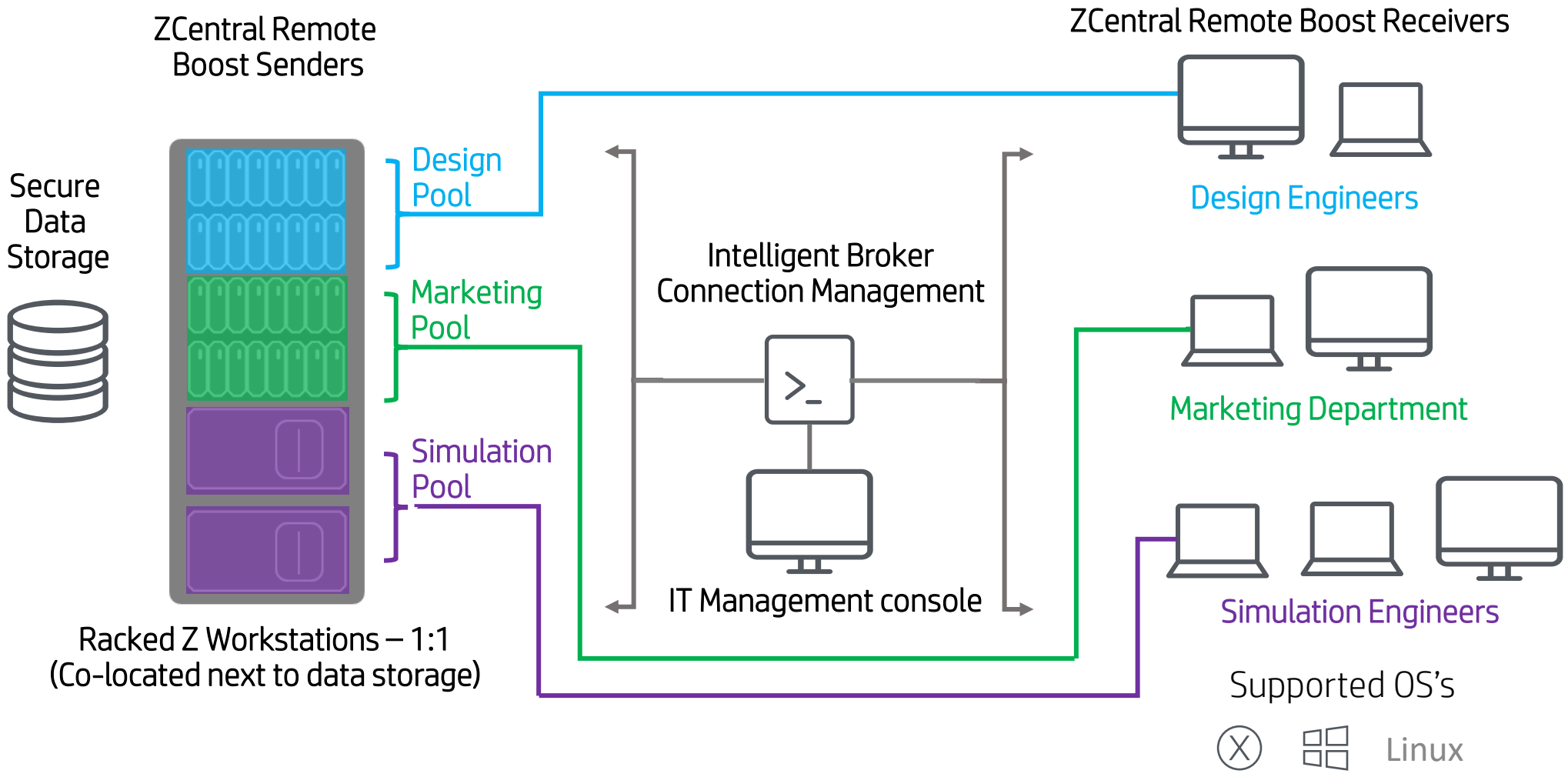
HOW IT WORKS



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Demo of ZCentral Remote Boost

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Z DESKTOP PORTFOLIO

BEST PERFORMANCE

BEST FOR DESIGN & ENTRY 3D

Z2 Mini & Z2 SFF

ZCentral 4R

HIGH-DENSITY SOLUTION

Z4

BEST FOR 3D DESIGN & RENDERING

BEST FOR DATA SCIENCE & ADVANCED VISUALIZATION

Z6 & Z8

BEST CONDENSED COMPUTE

BEST COST/PERFORMANCE

BEST FOR ENTRY DESIGN

Z1

BEST FOR DESIGN & ENTRY VR

Z2

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Best option as suggested within the 2020 Z desktop portfolio

THE WORLD'S MOST POWERFUL 1U RACK WORKSTATION[4]

HP ZCENTRAL 4R

Intel® Xeon® W

Power through multi-threaded applications

NVIDIA® Quadro® RTX 8000

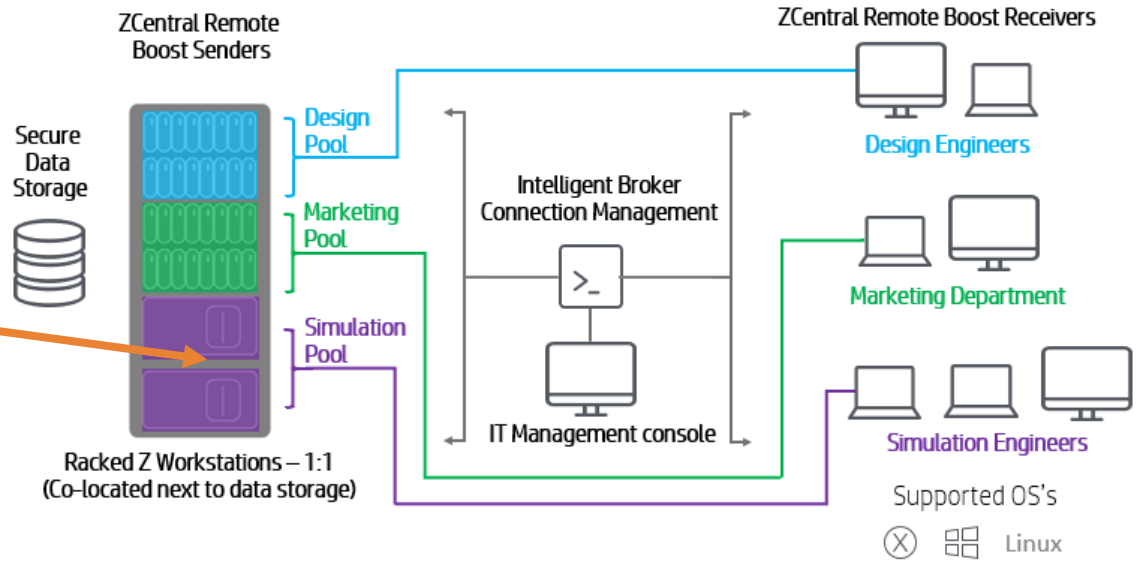
Push the limits of your GPU accelerated work with the world's most powerful graphics in a 1U rack workstation[14]

Aggregated Power

World's only 1U workstation with 2 x 675W of power[6]

75% less space

Compared to a Z4 with more power total



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COMPACT ▪ OPTIMIZED ▪ EXPANSIVE

Available with Single Power Supply Option:
NVIDIA Quadro P400 2GB
NVIDIA Quadro P1000 4GB
NVIDIA Quadro P2200 5GB
NVIDIA Quadro RTX 4000 8GE

· **Supply Option:**
8GB

Optional Dual Slot Riser (2x PCIE slots)

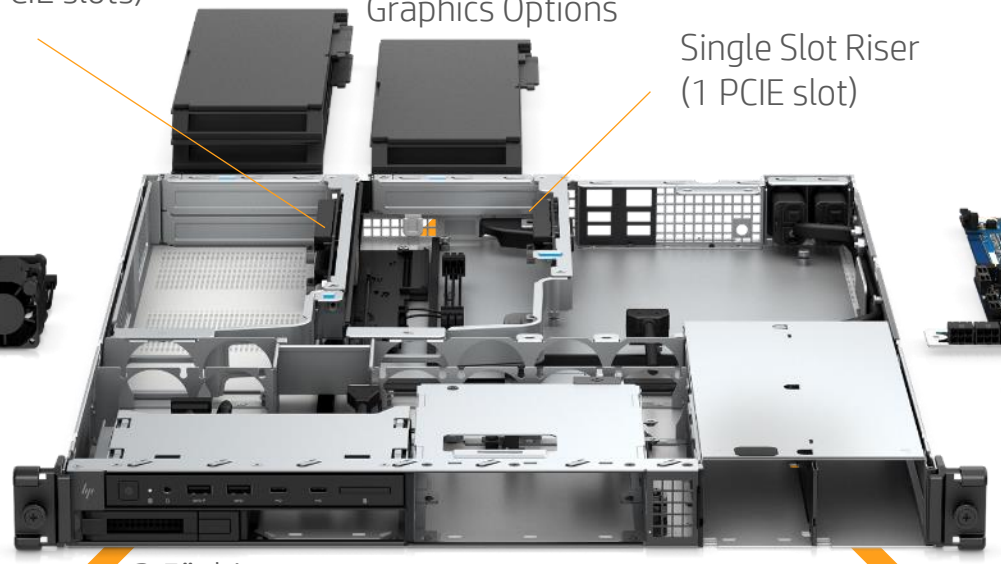
Support for Mid and High-End Graphics Options

Single Slot Riser (1 PCIE slot)

Optimized Cooling System

2.5” drive

3.5” or 2x 2.5” drives



2.5” drive

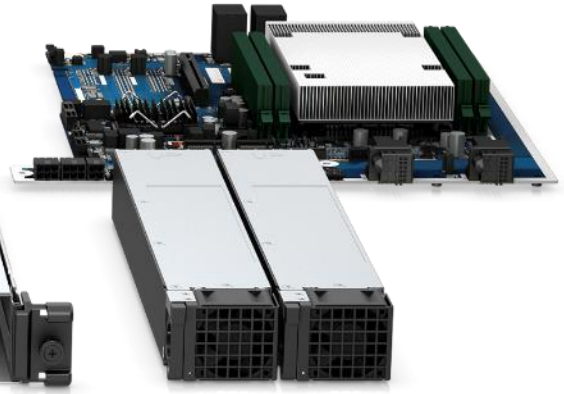
Security Cover for added protection

ZCentral 4R CPU Options:

Intel® Xeon® W-2295 3.0 2933 18 Cores
Intel® Xeon® W-2275 3.3 2933 14 Cores
Intel® Xeon® W-2255 3.7 2933 10 Cores
Intel® Xeon® W-2245 3.9 2933 8 Cores
Intel® Xeon® W-2235 3.8 2933 6 Cores
Intel® Xeon® W-2225 4.1 2933 4 Cores
Intel® Xeon® W-2223 3.6 2933 4 Cores

Intel®Xeon® W Processors

4 DIMM slots (up to 256GB Memory)



Dual Power Supply Option (Redundant or Aggregated)

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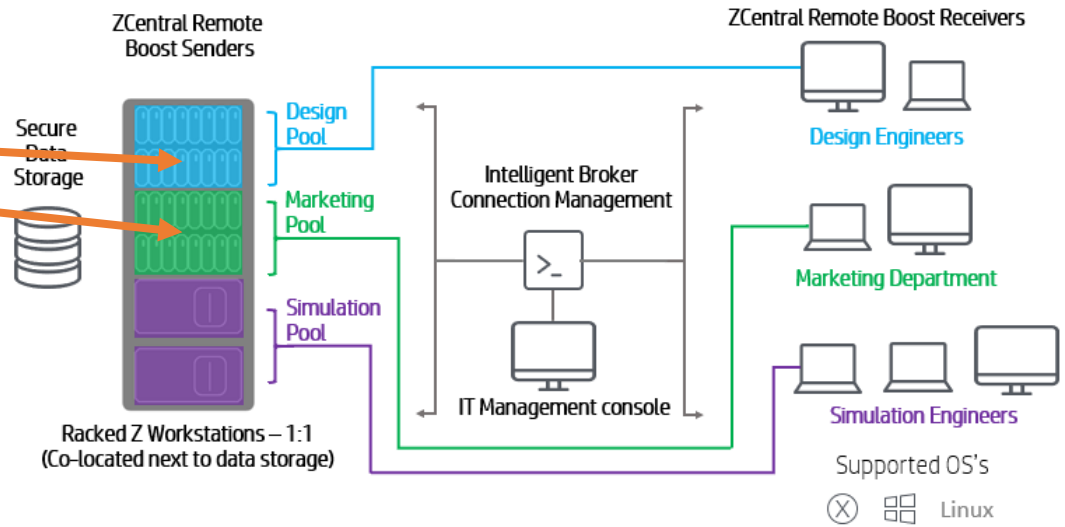
Z2 MINI G5 WHAT'S NEW?

Uncompromising performance

- Intel® 125W 10-core processors
- NVIDIA® Quadro® 2000 and later 3000-class graphics
- Dual M.2 Storage
- Flexible I/O for today and tomorrow
- 280W Power adapter

The perfect fit, anywhere

- More power in an amazingly small footprint
- Centralized management with HP ZCentral Remote Boost software[11]



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HP Z2 MINI

RACK MOUNT KIT[32]

7 Minis per Tray (5U)
8 Trays per 42U Rack
56 Units per 42U Rack

Cost effective, 1:1 virtualization

\+ HP ZCentral Remote Boost[26] =

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What are the alternatives…

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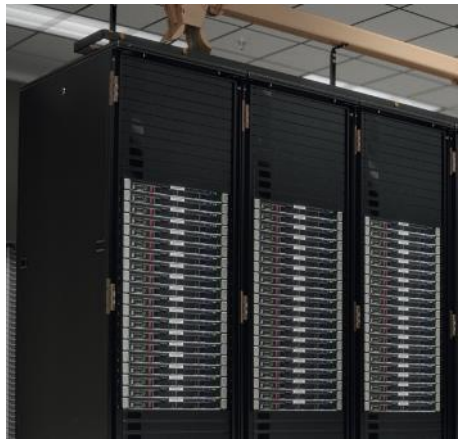
ZCentral vs Virtualized Workstations (Servers)

ZCentral Solutions offer up to **16%-33% higher performance**, **at 59%-72% of the cost** of virtualized workstations[7].

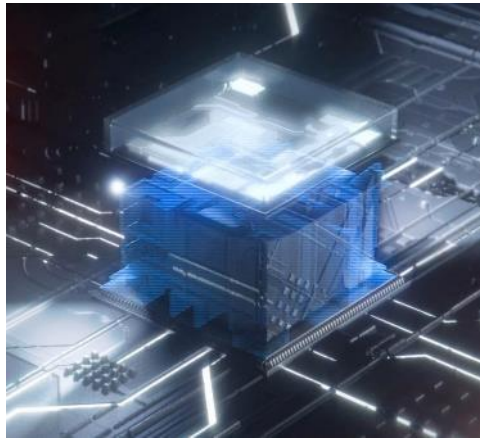
Dedicated Performance

For accelerating each workflow & work load vs shared variable performance of VDI solutions



Lower Cost Alternative

Servers are traditionally more expensive than Workstations and carry additional hardware and software costs.



Simple Set Up

The workstation is simple to set up and co-locate next to the data repository, plus the data never leaves the workstation.

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ZCentral vs Cloud Workstation

PREDICTABLE COST

Considerably lower total cost of ownership compared to workstation in the cloud solutions. Plus, standard ISV licensing and costs.

TURNKEY SOLUTION

One vendor for all hardware, software, support and services.

PROTECTED LOCATION

Critical data stays inside the company for the best security.

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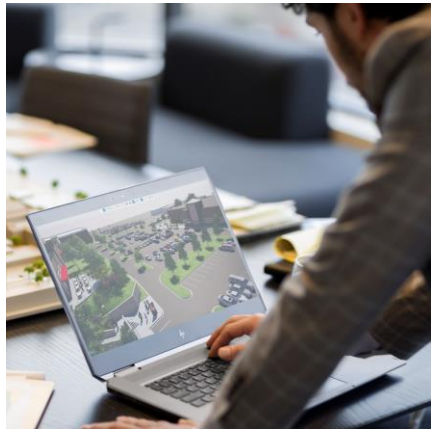
ZCentral vs Workstation Competitors

ZCENTRAL IS A TURNKEY SOLUTION – HARDWARE|SOFTWARE|SERVICE ALL-IN-ONE



Easy to Deploy

The ZCentral Remote Boost Software license is included with the purchase of a Z Workstation.

Simple to Maintain

Integrated with ZCentral Remote Boost for simple connection and a single console for managing all user connections with the ZCentral Connect.

Secure to the Core

HP Sure Start[5] automatically self-heals the BIOS from malware, rootkits, or corruption.

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Summary

SOLUTION COMPONENTS:

Racked Workstations+ ZCentral Connect + ZCentral Remote Boost Software

BENEFITS

END USER

- ✓ ZCentral Workstation Solutions provide workload and workflow specific dedicated compute power vs virtualization
- ✓ Faster project load times vs virtualization
- ✓ Ultra mobility with ultra thin and light devices connected to full desktop workstation performance
- ✓ Choose your own device to access workstation power

Creators can get personalized and workload-optimized compute power

ITDM

- ✓ Single-sourced provider for hardware, software and service
- ✓ Powerful, dedicated performance at lower cost compared to complex, expensive virtual workstations
- ✓ Easier setup and maintenance vs virtualization. Best option for SMB
- ✓ Standard ISV licensing/support vs virtualization that lacks ISV licensing

ITDMs can now scale flexibly and easily manage Centralized professional workers.

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Thank You