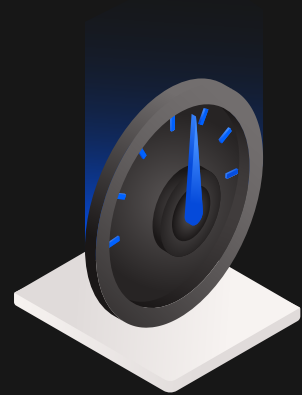
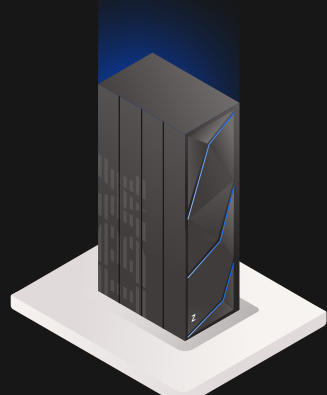


# Why choose IBM® Power Systems™ for SAP HANA®?



## Accelerate deployments

with built-in virtualization designed for scaling capacity at the push of a button with granularity as little as 0.01 cores or 1 GB.



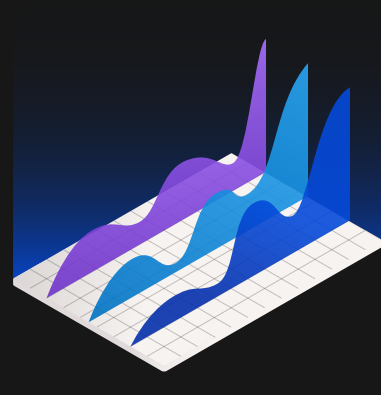
## Scale affordably

with 24 TB virtualization scalability<sup>1</sup> and up to 16 SAP HANA instances in single server<sup>2</sup>



## Maximize uptime

with highest availability non-mainframe Linux platform for over a decade<sup>3</sup> and live partition mobility for zero impact planned maintenance



## Faster insights

with 1.8 times more memory bandwidth than compared x86 infrastructure<sup>4</sup>

## 3 year TCO comparison with HPE ProLiant DL560 Gen10<sup>5</sup>

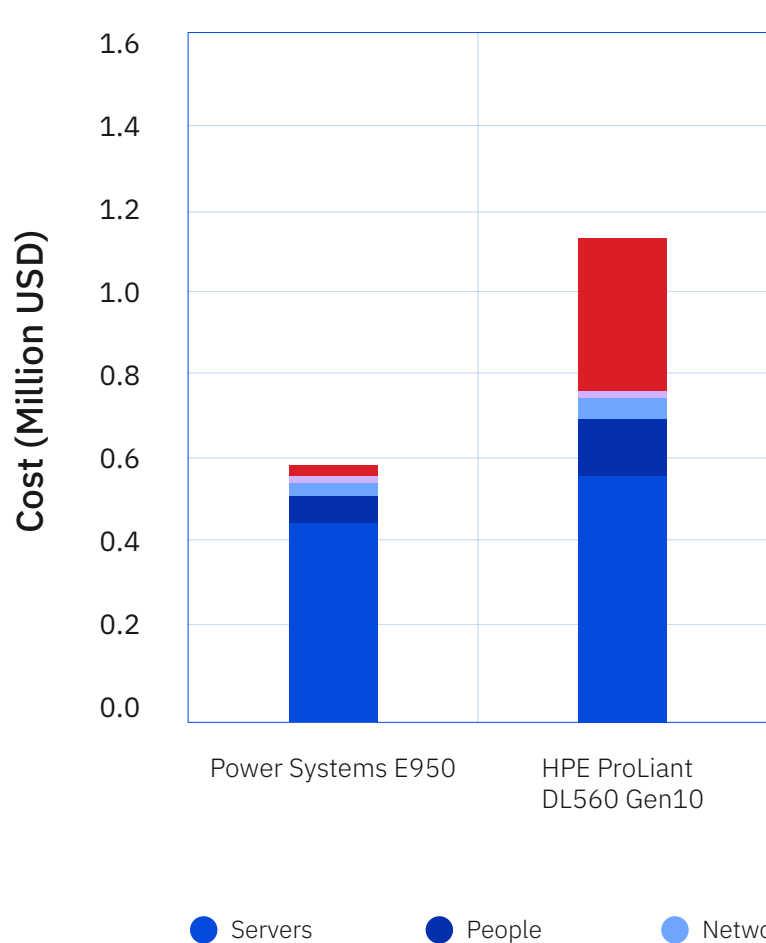
50%

lower TCO with no High Availability (HA) environment in both platforms

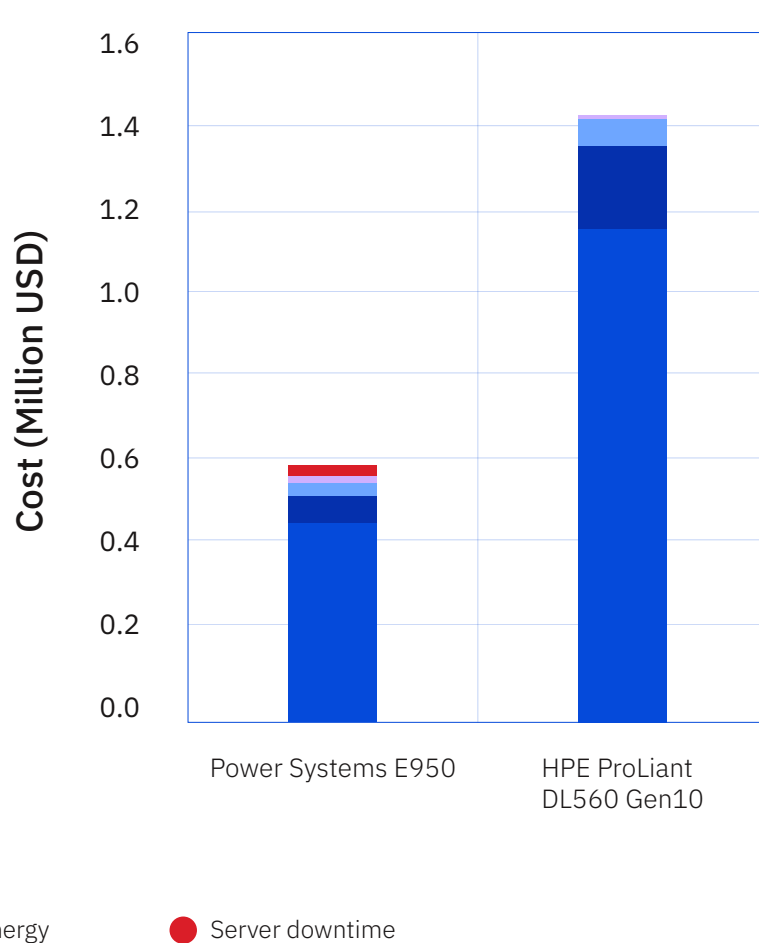
60%

lower TCO with HA environment only on HPE ProLiant DL560

With no HA environment on both platforms



With HA environment on HPE ProLiant DL560 Gen10



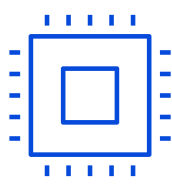
## Clients from various industries have moved from x86 to Power Systems



Coop Group



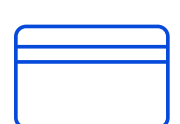
United Breweries



Freudenberg IT



Aryzta



Würth Group



Vishal Mega Mart



Química Amparo



D.FI

1. Refer SAP Note 2188482 for details on scale up memory scalability. Register or log in to <https://support.sap.com/home.html> to retrieve the note <https://launchpad.support.sap.com/#/notes/2188482>
2. Refer SAP Note 2230704 for details on support for 16 SAP HANA production instances on IBM PowerSystem E980. Register or log in to <https://support.sap.com/home.html> to retrieve the note <https://launchpad.support.sap.com/#/notes/2230704/E>.
3. <https://itic-corp.com/blog/2019/03/ibm-power-systems-lenovo-system-x-and-thinksystem-hpe-integrity-and-huawei-kunlun-top-itic-2019-server-reliability-poll/>
4. 1.8 times bandwidth is based on 230 GB/sec per socket for POWER9 and 128GB/sec per socket for x86 Scalable Platform, Intel product brief
5. The TCO analysis is done considering two production SAP HANA instances of 4TB each using list prices in US. Pricing for HPE ProLiant DL560 is sourced from <https://itprice.com/hp-price-list>. Server cost with no High Availability (HA) environment on both POWER and HPE server, two HPE ProLiant DL560 4TB is compared against one E950 8TB. For scenario with HA only on HPE, four HPE ProLiant DL560 4TB is compared against one E950 8TB. TCO considers the following cost components - Server cost for POWER includes hardware and software costs that include SLES, PowerVC and PowerVM. Server cost for HPE includes hardware cost and software costs that include SLES. The people cost is estimated based on productivity improvements with lesser number of Power Systems compared to HPE environment. The annual one FTE cost considered is USD 125,000. The network cost considered is 800 per port per year. The Energy cost per KWH considered is USD 0.2 per KWH. The downtime costs for IBM PowerSystems and HPE ProLiant systems are sourced from ITIC's 2019 Global Server Hardware and Server OS Reliability Survey - <https://www.ibm.com/downloads/cas/DV0XZV6R>