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

Accelerate deployments
with hardware virtualization—designed for scaling capacity at the push of a button with granularity as little as 1.00 cores or 1.0G.

Scale affordably
with 24/7 utilization scalability setup for the SAP HANA® market evolution in single server1.

Maximize uptime
with highest availability non-mainframe Linux platform for near instantaneous and live partition mobility for any unexpected outages and maintenance.

Faster insights
with 1.8 times more memory bandwidth than compared x86 infrastructure.

3 year TCO comparison with HPE ProLiant DL560 Gen10

With no HA environment on both platforms

With HA environment on HPE ProLiant DL560 Gen10

50% lower TCO with no High Availability (HA) environment in both platforms

60% lower TCO with HA environment only on HPE ProLiant DL560

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
DFI

Learn more about SAP HANA on Power

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://launchpad.support.sap.com/#/notes/2230704/E.


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. For scenario with no High Availability (HA) environment on both HPE and POWER 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, people cost, network cost, and energy cost. 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 Power Systems 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.

Learn more about SAP HANA on Power