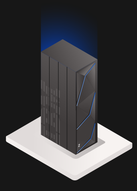
SAP HANA®のプラットフォームに IBM® Power Systems™を選ぶ理由

高速な資源展開

ビルトインされた仮想化によりボタン操作でシステム容量の増減（単位：0.01コア、1GBメモリー）が可能

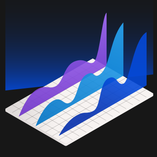


余裕ある拡張性

最大24TBメモリーの仮想サーバー[1]と1台でSAP HANAインスタンスを16個統合可能[2]

稼働時間最大化

10年以上、最高の可用性（メインフレーム除く）を発揮[3]。計画停止の影響もゼロにする Live Partition Mobility機能



高速な洞察獲得

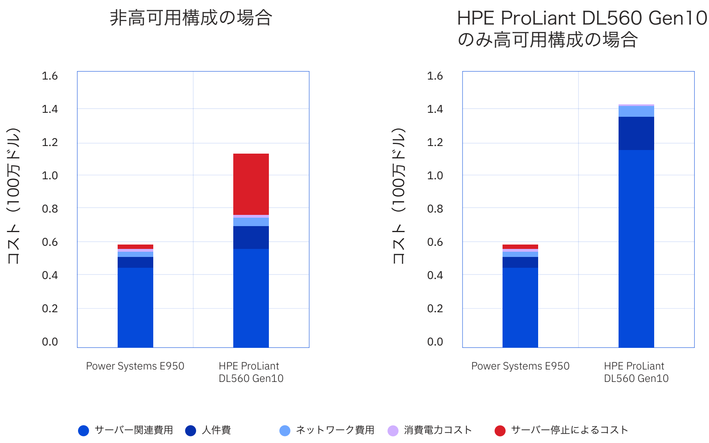
メモリー帯域幅は、x86インフラストラクチャーの1.8倍[4]

3年間の総所有コスト比較[5]

比較対象：HPE ProLiant DL560 Gen10

非高可用構成のHPE ProLiant DL560より
50%減

高可用構成のHPE ProLiant DL560より
60%減



様々な業界のお客様がx86からPower Systemsへ移行しています

Coop Group
スイス・流通

United Breweries
インド・小売

Freudenberg IT
ドイツ・ITサービス

Aryzta
スイス・小売

Würth Group
ドイツ・流通

Vishal Mega Mart
インド・流通

Química Amparo
ブラジル・小売

D.FI
フランス・クラウド事業者

SAP HANA に最適な IBM Power Systems について調べる

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 notehttps://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. 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 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 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