

如何選擇SAP ERP基礎架構？

三個面向考慮

- 面向一：風險

考慮企業營運平台的擴張魔咒

- 面向二：彈性

企業資訊基礎架構是否能隨著企業成長進行動態擴充

- 面向三：運營成本

隨著企業的成長，是否需要進行基礎設備的再次採購

風險面: SAP與ITIC連續11年評比, Power平臺最穩定第1名

> 99.999%
availability*

Ranked #1 in reliability
for 11 years*

Zero impact planned
maintenance with
live partition mobility

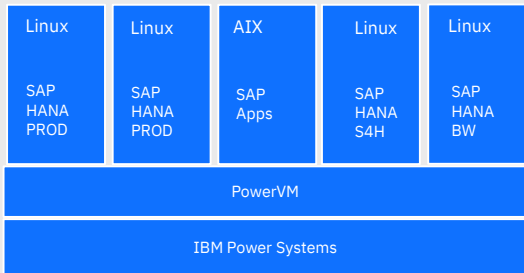
“ IBM Power Systems stands for reliability and stability, and that was precisely what we wanted to deliver for our SAP ERP powered by SAP HANA hosting services. ”

Ireneusz Pelka

SAP Basis Senior Consultant and PowerVM Expert, itelligence Poland

彈性面: POWER系統隨著企業的成長進行彈性擴充, 動態擴容

Provision faster with low overhead firmware based virtualization



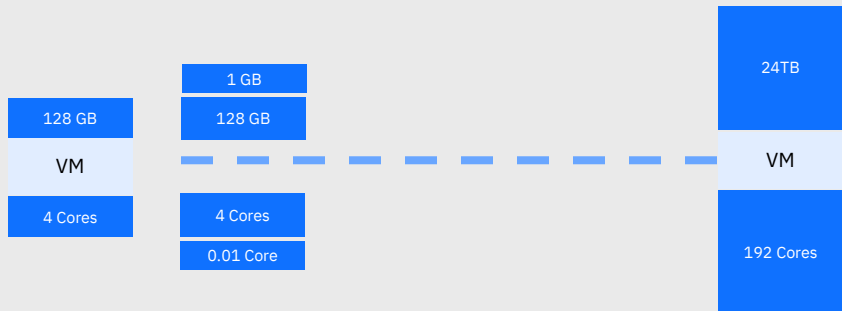
- Easily provision new VMs
- Increase or decrease capacity
- Live partition mobility
- Shared Processor Pools
- Capacity on demand

“ With IBM Power Systems and PowerVM virtualization, we can provision resources much more efficiently

”

– CHRISTOPHER KALT
Lead IT Architect, Coop Group

Reduce over sizing with granular capacity allocations



Simplify management consolidating 16 SAP HANA Production VMs in a single server²



1. Source: National Vulnerability Database, <http://nvd.nist.gov/home.cfm>, July 2018
2. SAP Tech Note # 2188482 and 8 VMs; SAP Tech Note #2230704 (link resides outside ibm.com)

性能面: 同比X86系統, POWER系統運行SAP快2倍性能

POWER9 Vs compared x86

2X

faster core performance²

1.8X

memory bandwidth per socket³

2.6 X

memory per socket¹

1 – 2X performance per core is based on IBM Internal measurements as of 2/28/18 on various system configuration and workload environments including (1) Enterprise Database (2.22X per core); 20c L922 (2x10-core/2.9 GHz/256 GB memory); 1,039,365 Ops/sec versus 2-socket Intel Xeon Skylake Gold 6148 (2x20-core/2.4 GHz/256 GB memory); 932,273 Ops/sec. (2) DB2 Warehouse (2.43X per core); 20c S922 (2x10-core/2.9 GHz/512 GB memory); 3242 QpH versus 2-socket Intel Xeon Skylake Platinum 8168 (2x24-core/2.7 GHz/512 GB memory); 3203 QpH. (3) DayTrader 7 (3.19X per core); 24c S924 (2x12-core/3.4 GHz/512 GB memory); 32221.4 tps versus 2-socket Intel Xeon Skylake Platinum 8180 (2x28-core/2.5 GHz/512 GB memory); 23497.4 tps.
2 – 2.6X memory capacity is based on 4TB per socket for POWER9 and 1.5TB per socket for x86 Xeon Scalable Platform Intel product brief: <https://www.intel.com/content/dam/www/public/us/en/documents/product-briefs/xeon-scalable-platform-brief.pdf?asset=14606>
3 – 1.8X bandwidth is based on 230 GB/sec per socket for POWER9 and 128GB/sec per socket for x86 Xeon Scalable Platform Intel product brief: see above

“ We have boosted reporting performance by between 20 and 30 percent on average ”

Leandro Taveira da Silva

IT Manager, Química Amparo

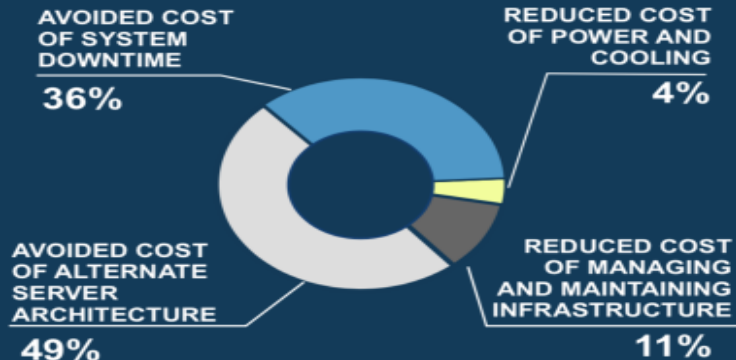
運營面：隨著企業的成長，運行Power平臺更好的ROI優勢

The Total Economic Impact™ Of IBM® Power Systems™ for SAP HANA®

FORRESTER®

Through multiple customer interviews and data aggregation, Forrester concluded that IBM Power Systems for SAP HANA had the following three-year financial impact for a composite organization representative of the interviewees.

SUMMARY OF BENEFITS



SAP HANA在IBM Cloud平台的最新解決方案

企業可以在任何環境中部署SAP工作負載
(無論是在公共雲, 還是私有雲中, 或在本地)



On Premise – IBM Power Systems



Off Premise – IBM Power Systems Virtual Server

IBM Power Systems L922+S/H922 + S/H924

SAP TDI 5.0 compliant

Buy all or PayGo by the minute

Linux only

Low entry model

Pre-optimized bundles available in 512GB, 1TB and 2TB

IBM Power Systems E950 + E980

SAP TDI 5.0 compliant

Buy all or PayGo by the minute

Linux, AIX and IBM i

Enterprise security, maximum performance and stability on IBM POWER9

Designed for Ultra-High performance SAP production environments with ultra-high Memory



Flexibility

Migration images

- PowerVC OVA

+

- Mksysb (AIX)
- SAVSYS (IBM i)
- VIOS (Linux)

Migrate data

- IBM Cloud Object Storage
- Mass Data Migration
- Aspera

NEW! On July 17
“The most powerful SAP-certified Server in any Cloud”



Sample Use Cases:

- Test/Dev
- DR as a Service
- DC consolidation

SAP Certified IaaS

- SAP Note 2923984
- SAP Note 2855850
- SAP Note 2947579

IBM Power Virtual Server

Certified for SAP HANA

Monthly PayGo with option for lower costs with 12 & 36 month commitments

Linux, AIX and IBM i

Enterprise security, maximum performance and stability on IBM POWER9

Designed for Ultra-High performance SAP production environments with ultra-high Memory

IBM怎樣幫助客戶從導入建置到上線？

三個階段服務

- **階段一:** 提供免費的專案規劃與架構諮詢
- **階段二:** 專業工程師陪同完成建置系統並提供教育訓練進行技術移轉
- **階段三:** 服務交付階段提供線上諮詢服務與系統健檢

業界的案例

IBM Power Systems availability in SAP HANA

"SAP HANA Enterprise Cloud on IBM Power Systems will help clients unlock the full value of SAP HANA in the cloud, with the possibility of enhancing the scalability and availability of mission critical SAP applications while moving workloads to SAP HANA and lowering TCO," said Christoph Herman, SVP and Head of SAP HANA Enterprise Cloud Delivery



SAP HANA 導入的三大重點:

總結:

- 硬體架構和移轉方法的選擇
- 使用者和系統整合的衝擊
- 如何延續既有投資與有經驗的夥伴合作

您可以放心交付給 IBM + SAP 團隊: 多年的獎項與合作默契

The IBM SAP Partnership

IBM as SAP's Integrated Delivery Partner of the Year 2019



35 Pinnacle Awards 2002 - 2019

2019 1 award for IBM

2018 1 award for IBM

2017 2 awards for IBM

2015 1 award for IBM

2014 2 awards for IBM

2013 3 awards for IBM

2012 2 awards for IBM

2011 2 awards for IBM

2010 2 awards for IBM

2009 4 awards for IBM

2008 3 awards for IBM

2007 3 awards for IBM

2006 2 awards for IBM

2005 2 awards for IBM

2004 2 awards for IBM

2003 2 awards for IBM

2002 1 award for IBM

"This award recognizes an SAP partner for its impact on customer success through the adoption of SAP Value Assurance service packages and SAP Mode Company services, and overall coordination of joint service offerings".

