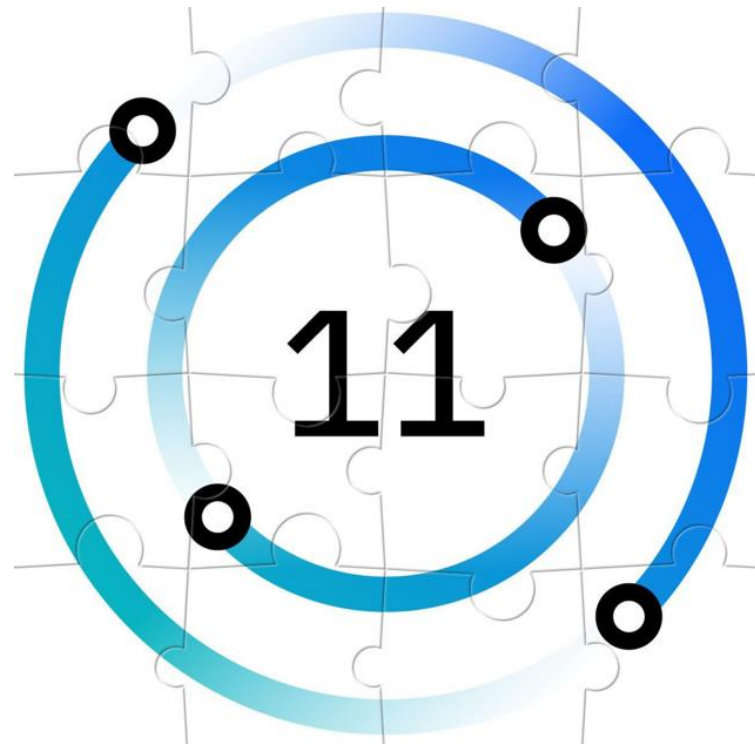


IBM Power





Jochen Ziegler

Senior SAP on Power Systems Technology Architect

HANAonPOWER Lead Architect

IBM Technology Sales, Power Systems Technical Sales, DACH



Peter Kindiger

TD SYNEX Germany GmbH & Co.OHG

Business Development Manager

IBM Power11

Power Systeme für SAP sind
– mit oder ohne RISE with SAP -
die richtige IT Infrastruktur für Sie!

Nutzen Sie die neuen Power11 Systeme
zum Vorteil für ihre SAP Anwendungen,
sicher, zuverlässig, performant und
kosteneffizient – on prem oder auf
Power Virtual Server in der IBM Cloud

Jochen Ziegler, jochen.ziegler@de.ibm.com



Webcast TDSynnex

30.07.2025, 10:00-10:30 Uhr



Power11 Portfolio and Innovation

An Edge to Cloud platform with core innovation by design

New Energy Efficient operating mode that **optimizes power consumption** without compromising SLAs

New 2.5D Integrated Stacked Capacitor and innovative thermal technologies to **optimize power consumption**

Improved performance through workload isolation with Resource Groups

Next-generation memory with 3X DDR bandwidth delivers performance to **larger, memory-intensive applications** e.g. for SAP HANA based applications

New off-chip AI acceleration based on IBM Spyre planned for 4Q25

Edge

Core

Cloud



P11 1-socket coming soon



S1122 & L1122



S1124 & L1124



E1150



E1180



PowerVS

Power11 availability on Day-1¹

¹ Day 1 availability is planned for the United States and Spain only.

Power11 Portfolio

Model(s)	Footprint Capacity	Notes
High-End (4S+): IBM Power E1180	<ul style="list-style-type: none"> 4 nodes (5U CEC) with 4 processors each Up to 16 cores per socket/module / Up to 256 cores total Up to 64 TB – DDR5 based memory 	<ul style="list-style-type: none"> In-place upgrades with serial number preservation.
Mid-Range (4S4U): IBM Power E1150	<ul style="list-style-type: none"> 2-4 processors in a 4U form factor Up to 30 cores per socket/module Up to 120 cores total Up to 16 TB – DDR5 based memory 	<ul style="list-style-type: none"> In-place upgrades with serial number preservation.
Scale-Out 2S4U: IBM Power S1124 IBM Power L1124	<ul style="list-style-type: none"> Up to 2 processors in a 4U form factor Up to 30 cores per socket/module Up to 60 cores total Up to 8 TB – DDR5 based memory 	
Scale-Out 2S2U: IBM Power S1122 IBM Power L1122	<ul style="list-style-type: none"> 2 processors in a 2U form factor Up to 30 cores per socket/module Up to 60 cores total Up to 4 TB – DDR5 based memory 	<ul style="list-style-type: none"> Integrating the eSCM models into the S1122 family
Scale-Out 1S2U: IBM Power S1112 (2026)	<ul style="list-style-type: none"> 1 processor in a half-wide system Up to 10 cores per socket/module Up to 512B DDR5 memory 	<ul style="list-style-type: none"> 1S2U will replace 1S4U model in both rack-mount and tower forms



IBM Power E1180

The industry's most scalable server for consolidating database and mission critical workloads



Single Node



IBM Power E1150

Built for large data & memory intensive workloads.

IBM Power S1124

IBM Power L1124



IBM Power Entry & Edge
Enterprise-class reliability,
security



IBM Power S1122

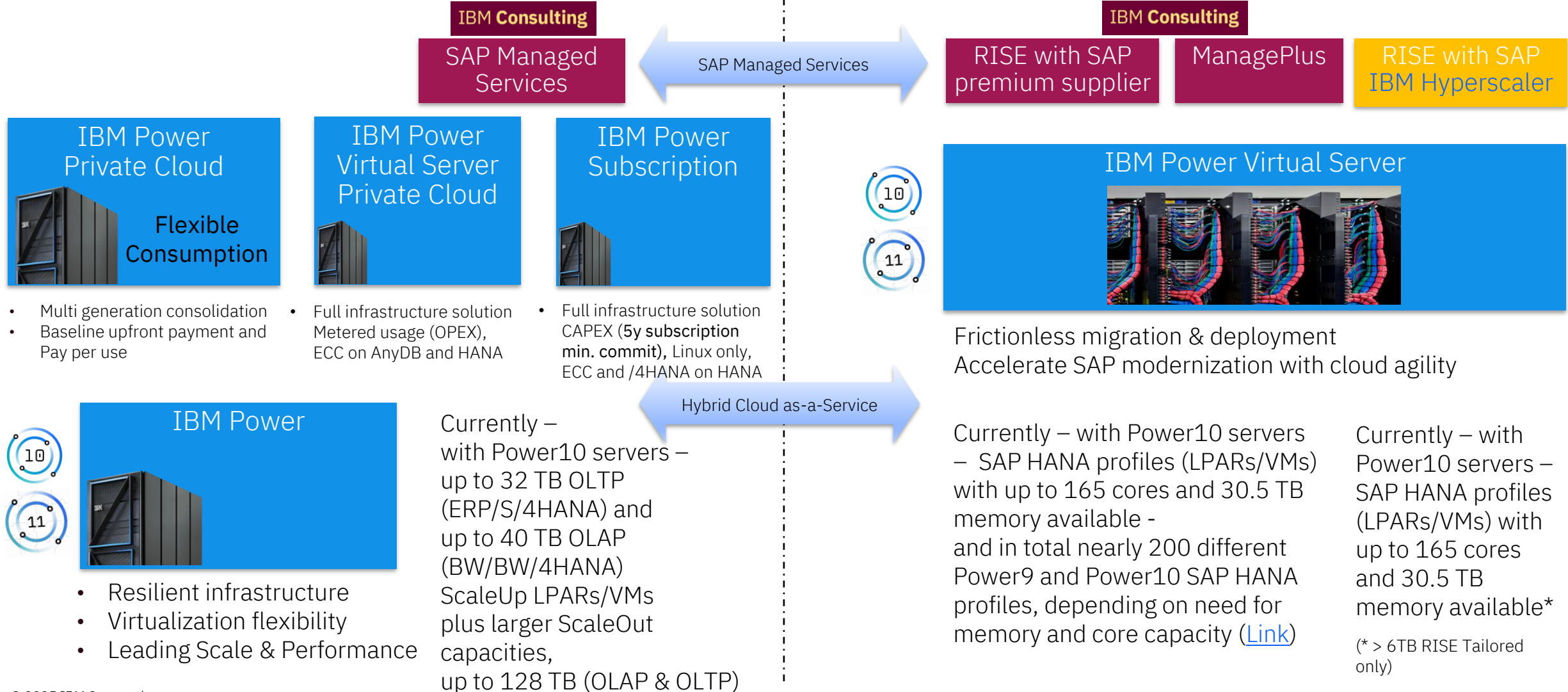
IBM Power L1122

SAP HANA on IBM Power – all currently available “flavours”

Key metrics (memory and cores for SAP HANA databases)

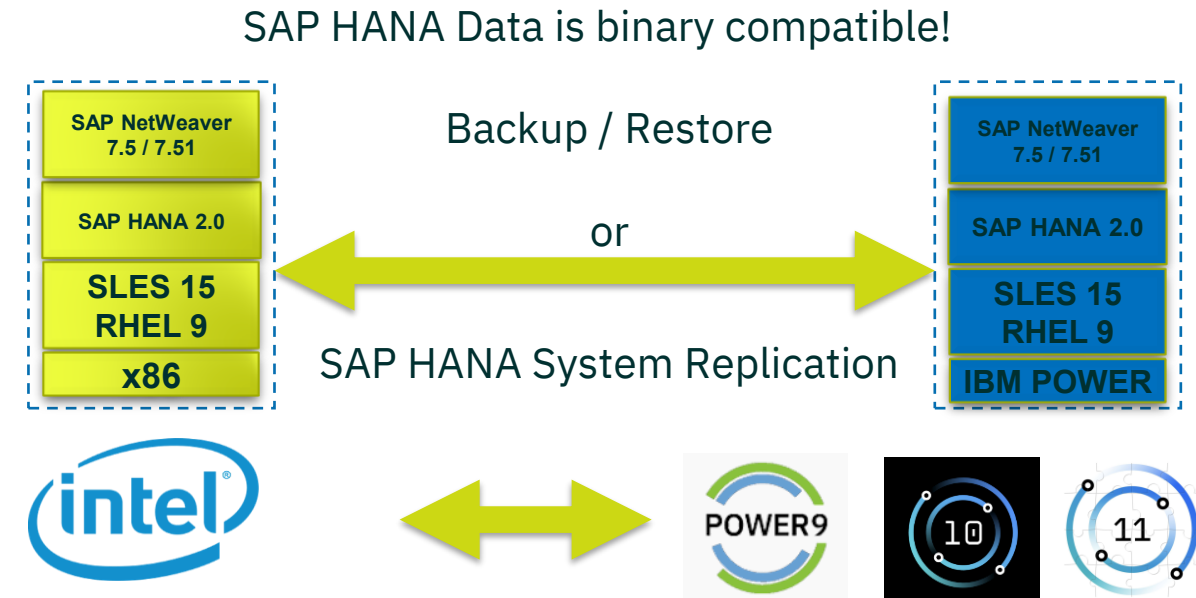
Private cloud

Public Cloud – on Power VS as well with SAP RISE



Einfache Migration – x86 nach IBM Power oder Power on Prem nach PowerVS (@IBM Cloud) oder nach PowerVS in SAP RISE (-> SAP Cloud ERP Private)

- NO additional costs for specific migration tools
- Conversion from x86 to Power and vice versa at any time without any risk and effort possible
- As well from ScaleOut to ScaleUp and vice versa
- References available for such migrations (e.g. [Würth reference](#))



From a technical point of view as well officially supported / certified by SAP it is possible / allowed to use „mixed“ SAP HANA System replication Power to x86 and vice versa permanently, e.g. in a DR scenario where at the receiving location no Power Server is maybe available.

From an operational perspective the effort to maintain two different environments (x86 Linux and Power Linux) is very high and not really recommended.

Ausgangslage – SAP Anwendungen und –betrieb auf IBM Power Servern

SAP and IBM

For over 50 years of ensuring round-the-clock business operations, while safeguarding sensitive data

50+

Years of partnership
across infrastructure
and consulting solutions

10,000+

Customers run SAP
on IBM Power servers*
(ca. 5000 HANAonPOWER,
ca. 5000 SAP on AnyDB)
*ca. 48% in Europe



IBM's SAP landscape
on IBM Cloud is one
of industry's largest
RISE deployments



2024 SAP Business AI Customer Value creation	2024 Industry cloud partner	2022 Customer Excellence Award	2022 Cloud Business Transformation Delivery Excellence	2021 Integrated delivery partner	2020 Partner Managed Cloud	2020 NA Industry services partner excellence award
2019 Integrated Delivery Partner of the Year	2018 SAP Global Partner of the year - Infrastructure	2017 SAP North America Value Assurance Partner of the Year	2017 SAP North America Platform Reseller of the Year	2015 SAP HANA Adoption Partner of the Year	2014 Global Value-Added Reseller of the Year	2014 Quality Partner of the Year
2013 Database and Technology / SAP HANA Co-Innovation Partner of the Year	2013 VAR/Reseller of the Year	2013 Service Expansion Award	2012 Service Award: Transformational Award - Rapid Time to Value	2012 Technology Award: Global Technology Partner of the Year	2011 Service Award: Quality Partner of the Year	2011 Communities Award: Community Leadership and Social Commerce Engagement
2010 Service Award: Leader in Customer Satisfaction	2010 Technology Award: Global Technology Partner of the Year	2009 Service Award: Ramp Up	2009 Service Award: Customer Satisfaction	2009 Service Award: Upgrade	2009 Outsourcing Award: Business Process Outsourcing	2008 SME Global Top Volume Reseller
2008 Technology Award: Go- to-Market	2008 Service Award: Landscape Upgrade	2007 Regional Excellence Award	2007 Channels award	2007 Enterprise SOA: Migration Excellence	2006 Technology Award: Development/Innovation	2006 Incremental Revenue Contribution Award
2005 Special Achievement Award	2005 ERP Innovation/Development Award	2004 ERP Innovation/Development Award	2004 Incremental Revenue, Best Total	2003 Achievement Award, Incremental Revenue Generation	2003 Achievement Award, Incremental Quality Program	2002 Customer Loyalty and Satisfaction

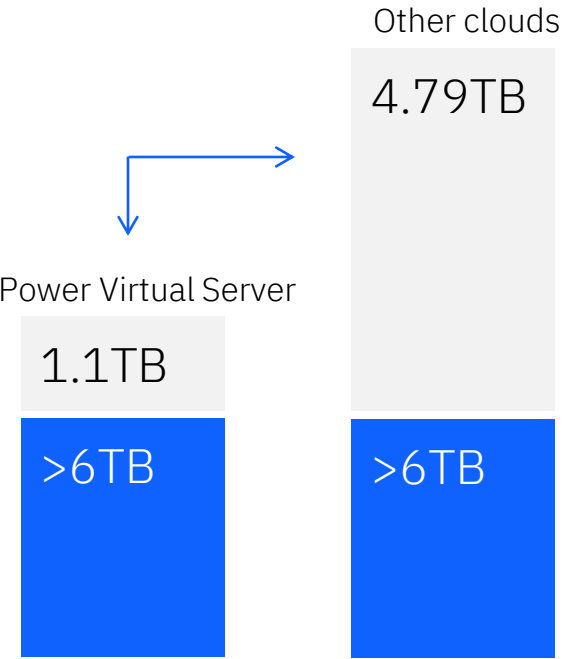
Für jedes Wachstum die richtige Grösse verfügbar!

4X

Avoid capacity over provisioning with 4x more granular scaling for SAP HANA >6TB

Average capacity increment for OLTP single node > 6TB*

**Only applicable for tailored option for RISE with SAP*

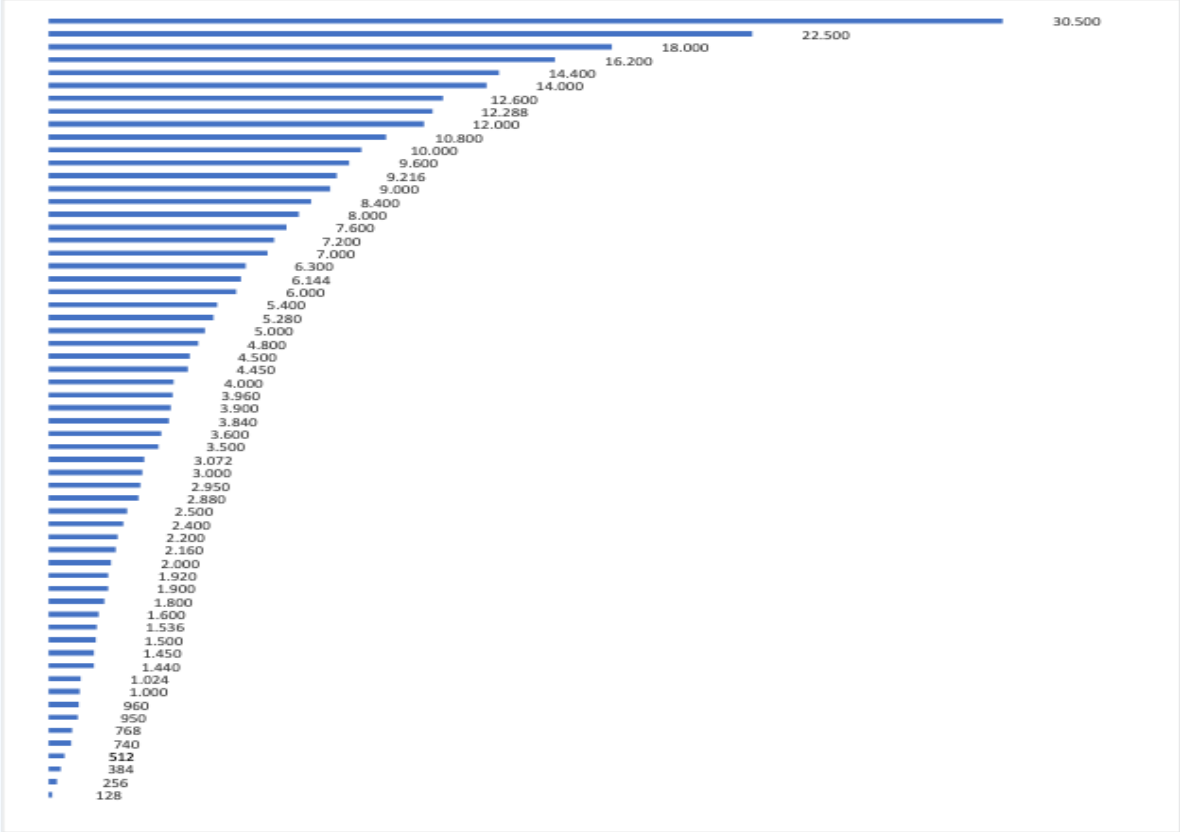


Average of capacity increment for OLTP single node >6TB is 1.1TB in Power Virtual Server compared to the average of average increments of 4.79TB among other clouds. Source: <https://me.sap.com/notes/1656099/E>, <https://me.sap.com/notes/2456432/E>, <https://me.sap.com/notes/1928533>, <https://me.sap.com/notes/2947579/E>,

IBM Power Virtual Server

128 TB
4 x 32 TB nodes

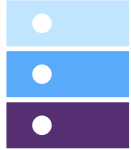
32 TB
Single node



128 GB

IBM Cloud Infrastrukturangebot für SAP und Non-SAP bietet die meisten Möglichkeiten und Konfigurationen im Vergleich zu anderen Cloud Providern

<https://cloud.ibm.com/wes-ui/sap>



Intel Bare Metal

IBM Cloud Bare Metal server, certified for SAP

IBM Cloud Bare Metal server, certified for SAP with Intel Optane DC Persistent Memory

Secure single-tenant

Secure single-tenant

Rent the full machine

Rent the full machine

Maximum performance for large and intensive mission critical workloads

Maximum performance for large and intensive mission critical workloads

Designed for high-performance SAP production environments

Designed for high-performance SAP Production environments with ultra-high memory

550.670 SAPS
benchmark

550.670 SAPS
benchmark

Private Virtual Data Center

IBM Cloud for VMware Solutions, certified for SAP

Secure single-tenant

Rent the full machine

Optimised performance with high agility, resiliency, and elastic compute costs

Designed to enable flexible delivery during SAP project implementations

495.603 SAPS
benchmark

Virtual Machine

IBM Cloud Virtual Server Instance certified for SAP

Secure multi-tenant

Rent VM on hypervisor

Full elastic compute for scalable workloads

Designed for elasticity and cost optimization of low to high performance SAP workloads

215.570 SAPS
benchmark

IBM Power Virtual Server for IBM Cloud, certified for SAP

Secure multi-tenant

Rent VM on hypervisor

Enterprise security, maximum performance and stability on IBM POWER9,10

Designed for ultra-high performance SAP production environments with ultra-high memory

1.573.370 SAPS P10
907.820 SAPS P9
benchmark

IBM's Adaptierung von RISE with SAP um den Q2C* Geschäftsprozess zu modernisieren und zu optimieren – "Client Zero"

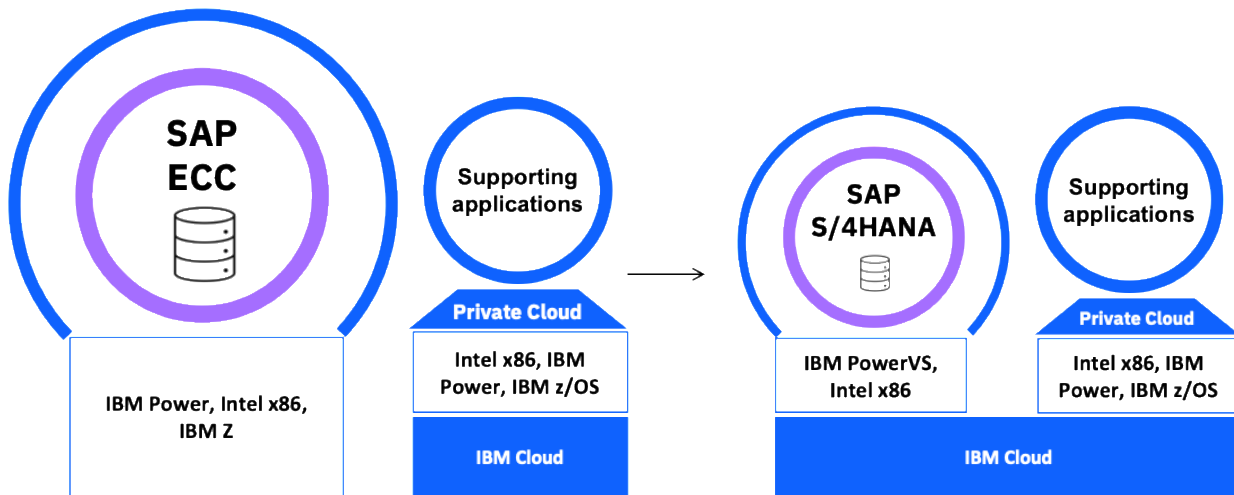
Seit Juli 2024 erfolgreich in Produktion mit ca. 800 PowerVS LPARs/VMs
(mit ca. 2000 Power Cores, ca 6000 x86 Cores), momentan ww grösster SAP RISE Kunde!

One of industry's largest RISE-enabled cloud modernization of quote-to-cash and record-to-report operations is running on IBM Power Virtual Server on IBM Cloud

150K Users **175+** Countries **18** Months migration time

All „inhibitors and issues“ has been already solved: Ready for „Customer Client Zero“!

Running on reliable, secure, performant IBM Power infrastructure... (with all and same advantages „as if on prem“)



- Accelerated RISE move, with "Like for Like" migration across Power and Intel x86
- 30% reduced operations cost with reduced footprint
- More automation, standardized processes
- Persistent business process innovation with cleaner ERP core



*Q2C = "Quote to Cash"

IBM Power Systems - Power Virtual Server

- in weltweit verfügbaren Rechenzentren*



22 Data Centers

In 9 countries (*more coming*)

Americas

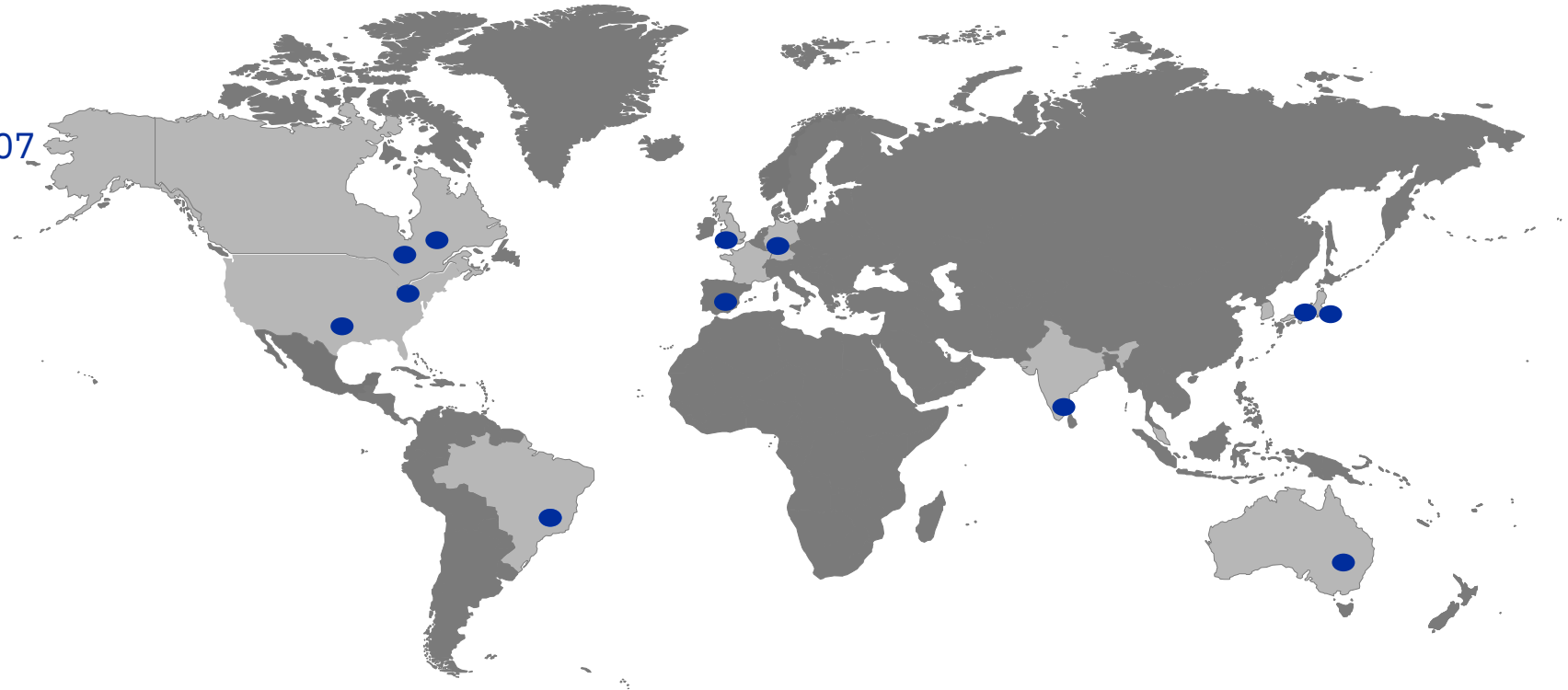
- Dallas – DAL10, DAL12, DAL13, DAL14
- Washington DC – WDC04, WDC06, WDC07
- Toronto
- Montreal
- Sao Paulo – SAO01, SAO04

EMEA

- **Frankfurt – FRA01, FRA02**
- London – LON04, LON06
- **Madrid – MAD02, MAD04**

APAC

- Sydney – SYD04, SYD05
- Osaka
- Tokyo
- Chennai



[List of Current Datacenters](#)

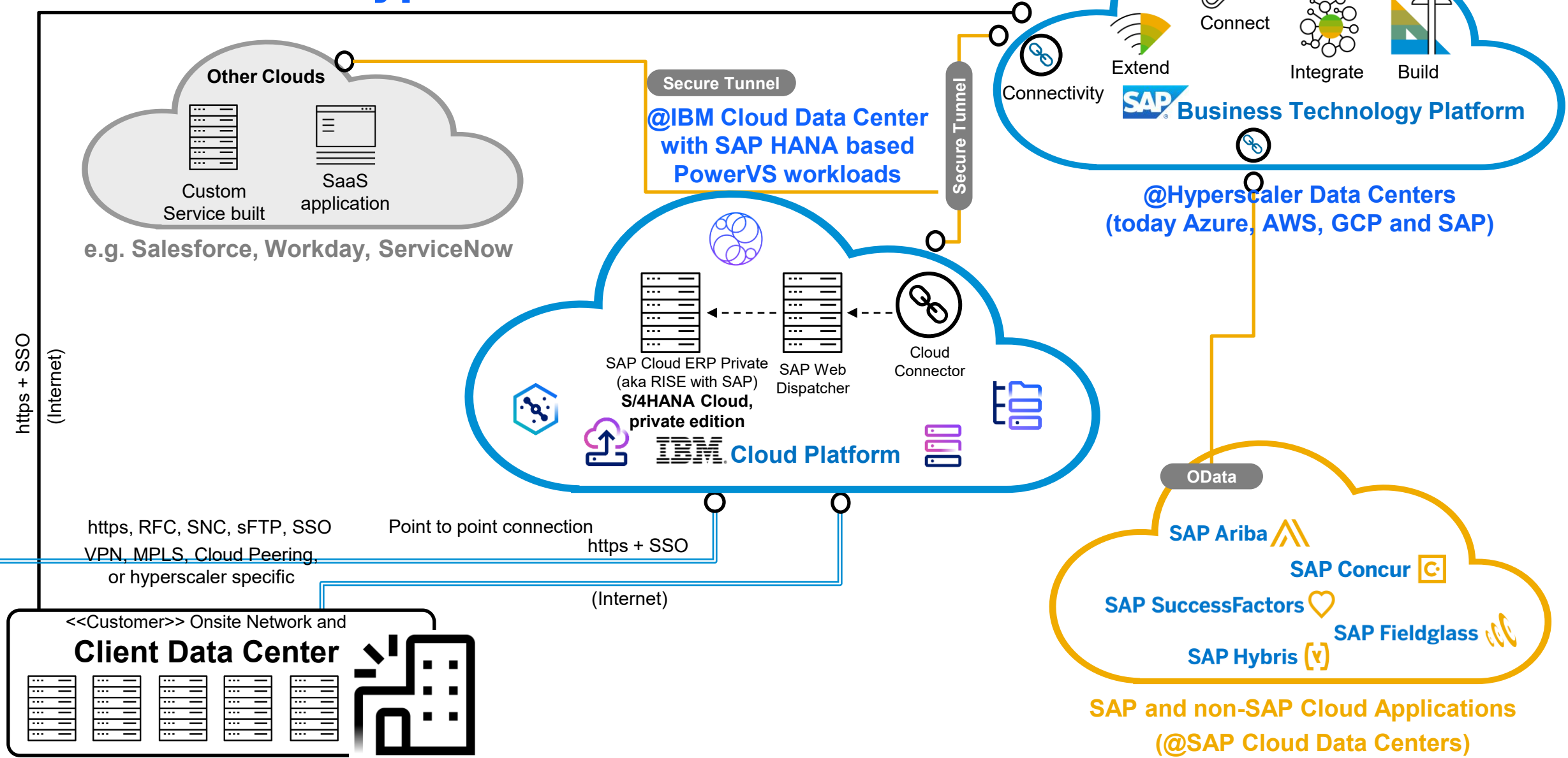
RISE with SAP – Welche SAP Komponenten?

- .../4 components: SAP Cloud ERP Private (S/4HANA Private) and BW/4HANA “Private” plus S/4HANA or BW/4HANA based SAP Applications (e.g. EWM, HCM, MDG, CAR...)

Main source platforms:

- S/4HANA Private – “on prem” - and BW on HANA “on prem” or already in Cloud hosted - and Successors / Migrations of R/3 ERP / SAP Business Suite with ERP ECC 6 EHP8 Transformation needed (Brownfield, Greenfield, Bluefield) to S/4HANA “Clean Core” with additional customer specific customizing / programming (ABAP) in SAP BTP (Business Technology Platform) @ Hyperscaler Clouds
- Brownfield: migrate all data 1:1 from e.g. ERP ECC to S/4HANA
- Greenfield: new empty SAP HANA database, migrate only master data, no transactional data
- Bluefield: combination of Brownfield and Greenfield, new empty SAP HANA database, migrate all data, but only the data which will be used in future and don't migrate old transactional data not used/usable anymore

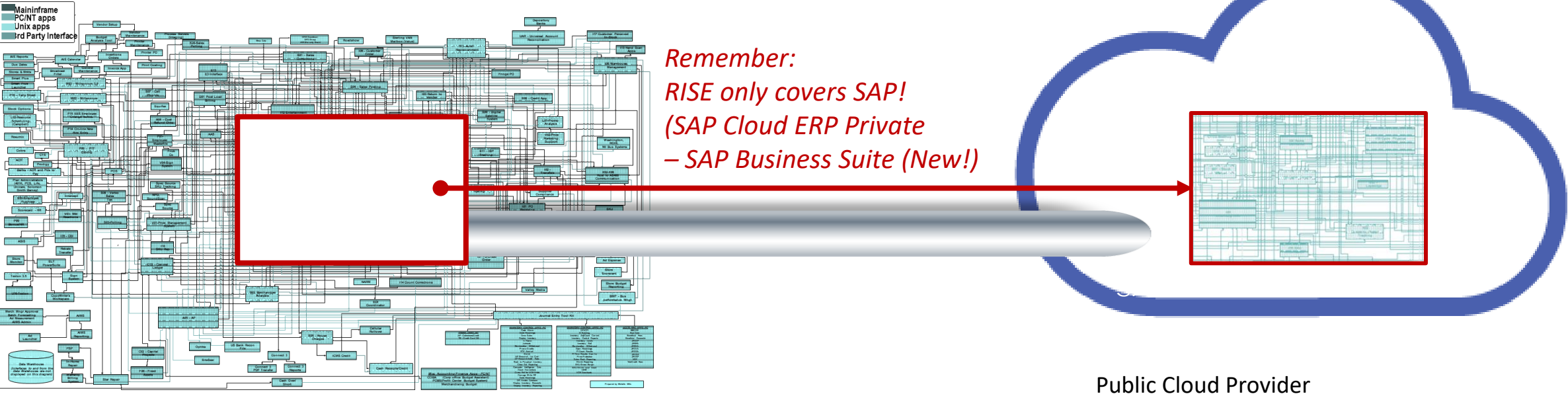
Cloud Integration of RISE with SAP with IBM as Hyperscaler with PowerVS



Und was ist mit dem “Rest” – außerhalb SAP S/4HANA?

The challenge: SAP is only a small part of most companies' federated landscapes

➔ other software and technologies must be addressed!



Example Traditional IT Datacenter

Public Cloud Provider

Adding to the Complexity

- Hundreds of integration points to existing systems
- Must be migrated in phases – too complex for “big bang” approach
- Changes to Network IP addresses requires reconfiguration & testing
- Virtual Machine conversion – some Cloud Providers use their own proprietary virtualization
- Server hardware changes can have a ripple effect in version conflicts
- Connectivity to other SAP SaaS offerings (e.g. Concur, Ariba, Hybris, etc)

IBM Cloud Compliance, Data Protection & Data Security

IBM Cloud is based on industry standards

IBM Cloud Security Policy

Based on ISO27001

NIST NIST SP800-53

..with demonstrated compliance through certifications and attestations

..enabling workloads governed by global and industry standards and frameworks

IBM Cloud Compliance “Homework”

<https://www.ibm.com/cloud/compliance>

ISO 27001, ISO 27017, ISO 27018, ISO 27701,
PCI-DSS for Payment Card Industry - as Service Provider,
SOC1 Type 1, SOC1 Type 2
...

IBM Cloud
“USPs”:

European Banking Authority (EBA) compliance brief:
<https://www.ibm.com/downloads/cas/KRGNBGBD>

- Only provider in the Cloud industry with **KYOK (Keep-Your Own Key) encryption**
- **Single-Tenant HSM solution** under the control of customer (no access by IBM as Cloud provider)
- Only cloud provider with **technical assurance** to prevent access to data by cloud provider
- **Continuous validation** and documentation of **workload compliance** based on > 500 coded controls (Financial Services Cloud) for regulatory requirements managed via **Security Compliance Center (SCC)**
- **Contractual assurance** that no data will be transferred to US authorities

SAP S/4HANA Private auf IBM PowerVS: Mehrwert im RISE-Vertrag

- Optimiert für unternehmenskritische SAP-Workloads
- Plattform für eine der weltweit größten RISE-Implementierungen
- SAP-Migration in die Cloud jetzt noch einfacher
- Price parity across Hyperscalers – bessere Infrastruktur zum gleichen Preis wie x86
- Migration Funding von IBM Cloud
- IBM PowerBuyBack Programm für P9, P10 und P11 Server

Gleiche Power für onPrem und in SAP RISE

- 1:1 Nutzung der Power-Vorteile auch in einem RISE Vertrag
- Vertraute Umgebung – sicher und performant -
- Breite SAP-Unterstützung auf PowerVS:
AIX, SAP R/3, SAP ECC 6, SAP HANA, S/4, BW/4 or SAP Cloud ERP Private (aka RISE with SAP)

Technologische Vielfalt, lokale Nähe, starker Service

- Standort Frankfurt ist ein zentraler Internetknotenpunkt (DE-CIX) – einer der größten weltweit – latenzarme Anbindung an alle Clouds in Frankfurt
- integriertes Lösungs- und Dienstleistungspaket inkl. automatisierte SAP-Migration mit Analyse, Code-Bereinigung und Testunterstützung

Sicherheit auf höchstem Niveau

- Quantum Safe & Ransomware Detection für zukunftssichere Schutzmechanismen
- End-to-End-Security vom Prozessor bis zur Anwendung
- 13× weniger Sicherheitslücken als Azure Hyper-V (PowerVS: 16 vs. 209 CVEs)

Optimale Performance

- IBM Power ist speziell für In-Memory-Performance optimiert
- Skalierbar & leistungsstark und damit ideal für datenintensive Workloads
- In Kombination mit IBM Storage eine hochverfügbare, performante Infrastruktur für SAP Anwendungen

Verfügbarkeit

- 15+ Jahre ITIC-Top-Ranking von Power bzgl. Serververfügbarkeit
- Mit 99,95-99,99% Verfügbarkeit in der Gesamtumgebung konzipiert, um selbst höchste SLA-Anforderungen zu übertreffen.
- IBM Power10 mit Linux: 263× weniger Ausfallzeit als x86 laut ITIC 2023 Report

Maximale Flexibilität

- Vielfältige Konfigurationen durch mehr PowerVS Profile für SAP HANA
- Skalierbar von 4 Kernen / 256 GB bis 165 Kerne / 32 TB RAM
- Optimiert für SAP HANA auf IBM PowerVS
- x86 & Power Cloud-Workloads alles in einem Vertrag

POWER 11

IBM InSights



6. August 2025, 10 Uhr - KI und POWER11

Henrik Mader (Associate, POWER Technical Sales DACH, IBM Technology Sales, Germany) und **Peter Kindiger** (TD SYNnex BDM IBM Power Systems)

Erfahren Sie, wie KI auf der Power Plattform Unternehmen und Ihre Kunden unterstützen kann. In unserem 30-minütigen Vortrag zeigen wir die neuesten Entwicklungen und unsere Roadmap von KI auf der Power Plattform.



Spyre



Anmeldung

Heute Nachmittag 15 Uhr

Strategic advantages of IBM Power Virtual Server for SAP Cloud ERP modernization

Live Webinar

July 30th, 9:00 AM EDT



IBM

[Register now](#)



https://ibm.webcasts.com/starthere.jsp?ei=1723486&tp_key=cb6388c3d8

Over 10,000 companies run their SAP landscape on IBM Power. Many are planning to modernize to SAP Cloud ERP.

Join IBM and SAP SMEs for an insightful webinar on the strategic advantages of IBM Power Virtual Server as the infrastructure for your SAP Cloud ERP transformation, using the RISE with SAP methodology.

Invest just 45 minutes to discover:

- How SAP and IBM co-optimized this solution specifically to accelerate SAP Cloud ERP migration for IBM Power customers
- How IBM CIO transformed their quote to cash, finance and manufacturing operations across 175 countries and 150,000 users and saved 30% infrastructure operations cost
- How the differentiated IBM investment program for RISE with SAP journey helps IBM Power customers and partners

Alle News von Peter Kindiger



Haben Sie etwas verpasst?
[IBM Webcastreihe InSights Power11 Reviews](#)

Falls Sie keine Zeit hatten oder es sich nochmal ansehen möchten? Bitte schön!

23.07.2025 | Peter Kindiger



IBM i 7.6 – Wichtige Neuerungen und Voraussetzungen

Mit dem Release von IBM i 7.6 bringt IBM eine Reihe bedeutender Änderungen und technischer Anforderungen mit sich, die Unternehmen bei der Planung eines Upgrades unbedingt berücksichtigen sollten.

10.06.2025 | Peter Kindiger



TD SYNnex informiert
TD SYNnex Webcast IBM "KI on Power": Der Review

Falls Sie die Möglichkeit verpasst haben, bei diesem interessanten Webcast dabei zu sein, haben Sie nochmals die Gelegenheit, die Aufzeichnung anzusehen.

21.05.2025 | Peter Kindiger



TD SYNnex informiert
TD SYNnex Webcast IBM "KI on Power"

Bei diesem Webcast steht im Mittelpunkt ein Überblick über KI on Power, innovative KI-Lösungen mit Chatbots für IT-Operations sowie Vision Modelle, mit deren Hilfe man Bilder und PowerPoints besch...

29.04.2025 | Peter Kindiger



TD SYNnex informiert:
IBM i 7.6 ist für den 18.4.2025 angekündigt

IBM releast neue Version ihres Betriebssystems für die Power Systems

14.04.2025 | Peter Kindiger



TD SYNnex informiert:
Die RDX Docking Stations von Overland-Tandberg gibt es nicht mehr!

Die Firma Overland-Tandberg, deren Produkte auch IBM im Portfolio hatten, hat den Geschäftsbetrieb eingestellt.

03.04.2025 | Peter Kindiger



TD SYNnex informiert:
Neue Adapter bei IBM

Im zweiten Halbjahr 2023 hat IBM ein paar kleine, aber sehr wichtige Adapter ins Portfolio aufgenommen.

27.03.2025 | Peter Kindiger



Warum IBM als Service Partner?

IBM setzt KI ein um Probleme frühzeitig zu erkennen.

27.02.2025 | Peter Kindiger



TD SYNnex informiert
Infos zur IBM Hardware-Wartung

IBM bietet Hardware-Wartungen für ihre Produkte an. Diese gibt es für Power, Storage und Tape.

18.02.2025 | Peter Kindiger

[WEITERE NEWS LADEN](#)