Power Virtual Server

IBM Power Virtual Server

The best overall value virtual machine for Oracle, SAP, IBM i

Power Virtual Server delivers the best overall value virtual machine for Oracle, SAP, IBM i in Cloud

Oracle

The largest banks, pharma retailers, utility companies, industrial companies and US Federal run-on Power.

- Superior performance, resiliency, flexibility, and security
- Power delivers up to 50% TCO advantage for customers
- Power Virtual Server is the only fully certified stack providing full Oracle on Power support.

SAP

Power Virtual Server accelerates time to revenue, decreases client risk, and enables modernization.

- Accelerate time to revenue: Power Virtual Server enables seamless migration to cloud with frictionless deployment
- De-risk: Resilient infrastructure maximizes availability and reduces downtime
- Modernization: Power Virtual Server accelerates SAP modernization, helping businesses improve their competitiveness and reduce costs with most granular certified SAP instances
- 212% ROI for SAP on IBM Cloud over 3 years

IBM i

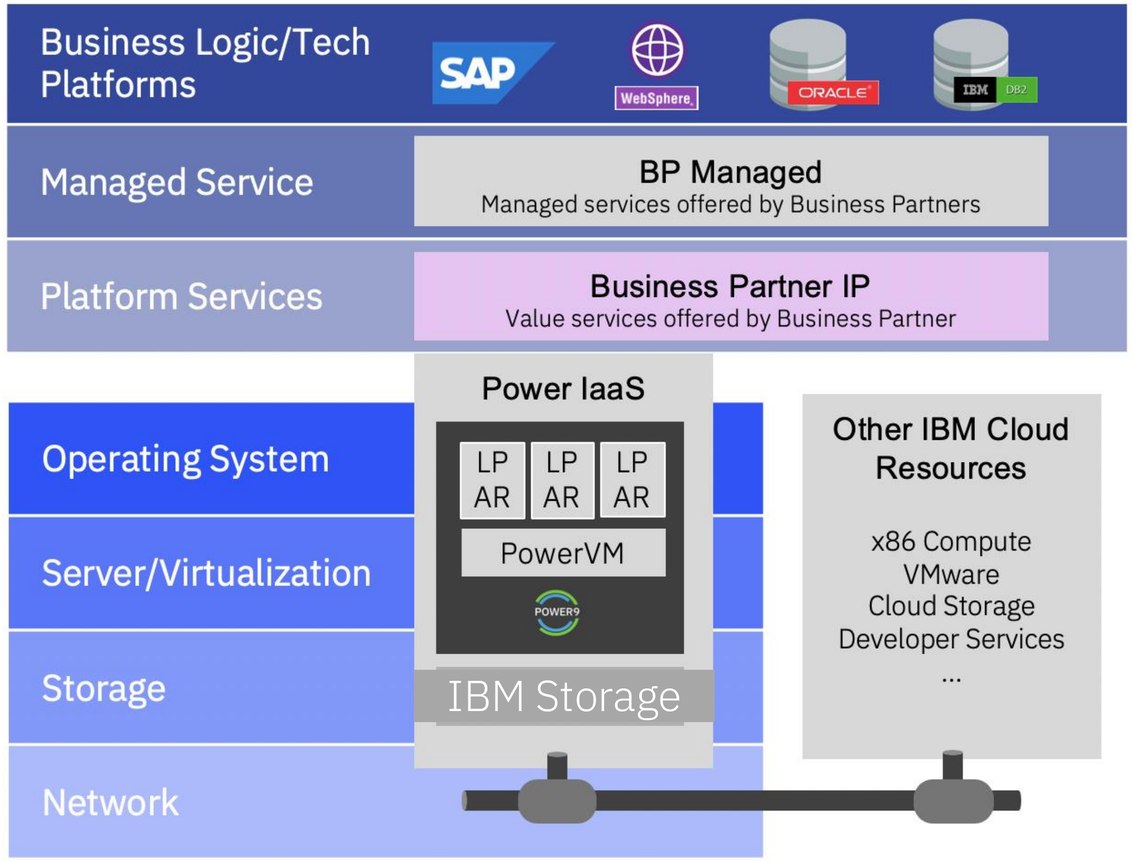
IBM i provides continuous availability, enhanced security, simplified management and integration with new technologies

- Only runs on Power and risky to re-platform to x86
- Near-zero downtime ensures mission-critical applications remain up and running
- Enhanced options for achieving greater levels of security with IBM i 7.5
- Flexible licensing and support result in lower TCO and increase flexibility with OpEx consumption
- 58% less expensive than competition

Accelerated Time to Value

Mitigating Operational Risk

Modernization without Re-platforming



Full Enterprise Stack with consistent architecture as on-premises

Superior Resiliency, Performance and Security

Supported by Oracle Certified by SAP Enabled by IBM i ISVs

Comprehensive compliance

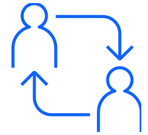
Flexible and Cost-Effective Consumption

21 WW Data Centers (more coming)

Power Virtual Server provides full cloud advantages

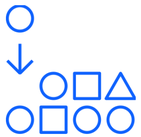
Access to 200+ IBM Cloud services - Analytics, AI, ML

Superior IBM Cloud security



Reduce Dependency on Specialized Skills

No Upfront Cost



IBM Cloud Enterprise Savings Plan

Cloud Agility

Flexibility to Scale

Highlights

21

Data centers across the globe and growing

650+

Customers deployed Production, HA/DR, and Dev/Test use cases

Key Workloads

- Certified SAP IaaS
- SAP NetWeaver and S4/HANA
- Oracle Supported
- IBM i workloads
- Epic - Healthcare (training case)
- Red Hat OpenShift
- IBM Cloud Paks
- OS: AIX, IBM i, Linux

Comprehensive Compliance

- GDPR
- SOC 1 Type I and II
- PCI DSS Certification
- ISO 27K

- Planned for 2023: SOC 2 Type I and II (recertification), Cloud for Financial Services Security Framework

Why It Matters

- Frictionless expansion and migration between on-premises and Power Virtual Server. Identical architecture with enterprise Power Systems on-premises from microprocessors, firmware, PowerVM, PowerVC, dual VIOS to SAN storages.
- Same workloads supported on-premises are supported in Power Virtual Server e.g. Oracle, SAP, IBM i, RedHat OpenShift
- Secure Infrastructure as a Service, Resilient platform for mission critical workloads, Flexibility to scale on-demand, Cloud consumption model to pay for use, reduce CapEx, specialized skills not required, Cloud Native development on Power

Results that matter

FNZ can spin up a new virtual server in as little as
10 Minutes

With the new platform, FNZ can complete tests at least
15X more quickly

"All we have to do is find the right image, spin it up, run the tests and we're done."
John Cullen
Chief Technical Architect, Asset Management Infrastructure Division, FNZ (UK) Ltd.

Read more
Workload: IBM i
Use Case: Modernization

Boosts compute performance by 35%
while reducing operational costs by 20%

Inspires 80%
of customers to use digital channels as their primary touchpoint

"IBM is one of our most trusted IT partners. Based on the results of our proof of concept with IBM Power Systems Virtual Server and the close strategic alliance between IBM and SAP, we were left with no doubt that IBM Power10 is the optimal platform for our new SAP HANA 2.0 solution."

Oscar Sobrero
Information Technology Leader, Ecogas

Read more
Workload: SAP
Use Case: Operational Excellence & Cost Optimization

Iptor cuts IT infrastructure spend by up to 80%
with IBM Power Virtual Server

Enables onboarding of new customers in 1 hour
rather than 2 days

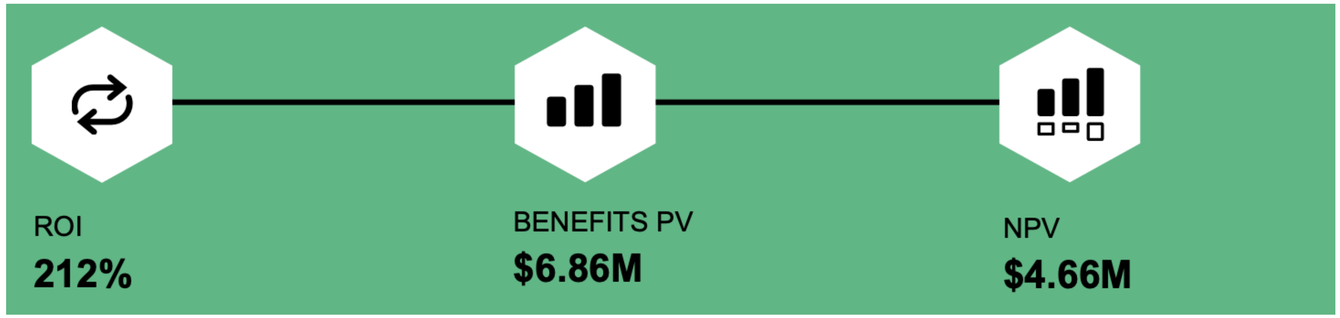
"We've reduced our investments in IT infrastructure by up to 80% and cut down the time we spend managing it significantly. The end-to-end automation and orchestration capabilities you get through IBM Power and Red Hat technologies are outstanding."

Christopher Catterfeld
Chief Marketing and Product Officer and Managing Partner, Iptor Sweden AB

Read more
Workload: IBM i
Use case: Data Center Strategy Optimization

Forrester Total Economic Impact study

212% ROI for SAP on IBM Cloud over 3 years



Benefits PV breakdown:

$2.6M Reduced operational risks from improved availability

$2.3M Increased operational efficiency

$1.4M Reduced datacenter costs

$0.8M Reduced compliance and security risks

Read the Report

Watch the Webinar

Translations coming soon: German, French, Spanish, Portuguese, Japanese, Italian

Forrester interviewed representatives from organizations using IBM Cloud for SAP

	Food and beverage	Manufacturing	Financial services	Insurance
ROLE	IT director	IT infrastructure director	Enterprise architect	Global strategy director
LOCATION	Europe HQ, global	North America HQ, global	North America	North America HQ, global
EMPLOYEES	16,000	133,000	86,000	3,500
SAP WORKLOADS	200	200+	400	100+

“We need to grow [and] need [a solution that will] not have any bottleneck or constraint or surprise. This is why we put in place [IBM Cloud for SAP].”

— IT Director, Fortune 500 Manufacturing enterprise

IBM Power Virtual Server in Hybrid Cloud TCO Advantage

For Power applications moving to cloud, Power Virtual Server yields about 47% savings over Azure and AWS (x86) Public Clouds.

On-premises Power legacy to Power Virtual Server yields on average 35% savings.

Infrastructure savings

4%
Reduced top-line TCO by up to 4%

30%
Optimized resource utilization by up to 30%

44%
Decreased hardware costs by up to 44%

50%
Reduced licensing costs by up to 50%

Enhanced business outcomes

10x
Increased release frequency by up to 10 times, signifying more features and patches reaching customers quicker

2x — 10x
Accelerated workload processing speed 2 — 10 times

Workforce productivity and acceleration

33% — 90%
Infrastructure administration labor reallocated

Sources: Application modernizationon IBM Power IBM IT Economics Consulting & Research CPO Spotlight

Popular Use Cases

Data Center Strategy Optimization

Business expansion and worldwide growth

Frictionless migration. Architecture aligned with certified stack.

Grow quickly. Accelerate time to value. Geographic expansion.

Maintain ISV certifications and support.

Multisite implementation with Production, HA, DR and Dev/test environment

Business Continuity Planning

Reliable failover solutions
Backup, HA, DR

Reduce Capex

Flexible DR capacity

Reduce capacity planning complexity and capacity headroom

Modernize

Modernize process and evaluate cloud feasibility

Increase business agility

Modernize - connected with 200+ IBM Cloud® Services

Cloud integrated API that easily integrates to existing tooling

Shift from buying max capacity to provision on-demand

Start with Dev/Test environment

Improve operational cost

Operational Excellence and Cost Optimization

Ease of technology upgrade. Supported software.

Pay-as-you-go billing. Capex to Opex.

Align specialized skilled resources with key business objectives

Improve service and response time, off hours coverage

Client success stories by use case

Data Center Optimization & Cloud First Strategy

RICOH imagine. change.

IBM i, VTL DC Optimization, Backup/DR
Read more

UNIVERSITY OF FUKUI

DB2 (AIX)
Read more

IDLOGISTICS

Logistic applications (IBM i)
Read more

iptor

Homegrown applications (IBM i)
Read more

Business Continuity & Resiliency Planning

光世証券

Lift and shift to Cloud, Backup with IBM i VTL
Read More

Tupperware

IBM i, VTL
Read more

brf

SAP ECC (AIX) and SAP HANA (Linux)
Read more

Modernize

FNZ

Figaro (IBM i)
Read more

SKM Informatik

Modernization Azure to PowerVS with (.NET 7)
Read more

Improve ROI & Reduce operational costs

LABEYRIE FINE FOODS

Oracle JDE (AIX)
Read more

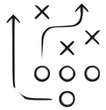
ECO GAS

SAP HANA Hybrid Cloud
Read more

IBM Power Virtual Server

Migration Acceleration Program - Client Engagement Model

A proven and unified end-to-end process, with prescriptive guidance, and incentives for your IBM Hybrid Cloud Journey



Co-Create Assess & Plan

Migration Discovery Workshop
- Executive Alignment
- Workload Selection
- Team, Timeline & Goals

Rapid Discovery
- Infra HW/SW Inventory
- Workload Evaluation
- Business Case & TCO

Accelerate
- Briefings
- Workshops
- Labs

Prepare & Align Resources for Success

Mobilize & Prove the Plan

Goals & Outcomes Workshop
- Technical Validation
- Migration & Modernization Plan

Design Target State
- Operational Readiness
- Architect Landing Zone
- Workload Selection

Prove the Plan
- Finalize MVP Success Criteria
- Deploy Pilot Migration
- Validate Technical and Business Outcomes

Build Experience, Commit with Confidence

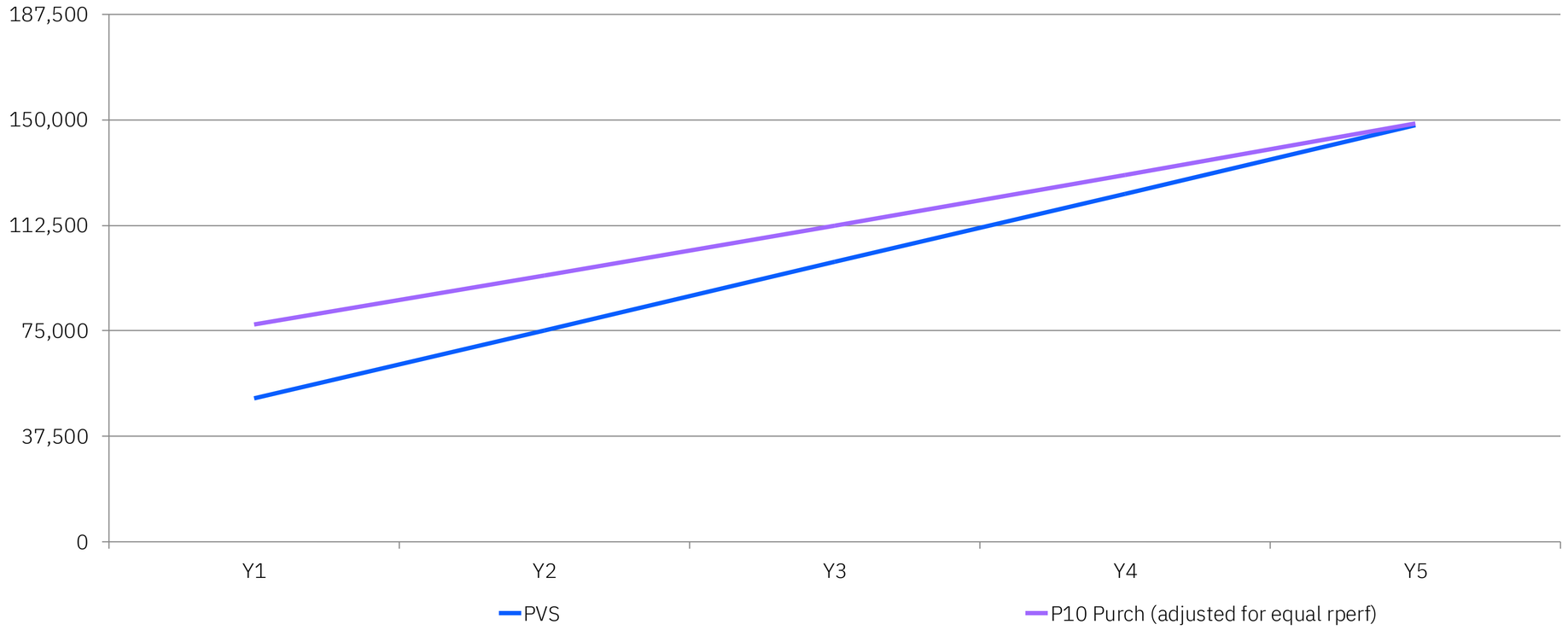
Execute, Scale & Evolve

Execute
- Client Sponsor commits to Migration & Modernization with IBM Cloud
- IBM Cloud Provides Migration Incentives to reduce the parallel Migration Cost

Scale & Evolve
- Begin Power to Power VS Migration
- Migration wave planning
- Migrate, Modernize, Optimize

Execute Full Migration, Modernize in IBM Cloud

Power Virtual Server vs Power10 Capex TCO



	Y1	Y2	Y3	Y4	Y5
PVS	50,880	75,181	99,481	123,781	148,082
P10 Purchase	77,363	94,814	112,265	130,494	148,722

Power Virtual Server delivers 5 Year TCO Advantage vs Power10 Capex with migration