

Keeping IBM i Resilient in a Hybrid World

A Maxava Webinar

INTRODUCTIONS



Tonny Bastiaans
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Manager Power Virtual
Server, IBM*



Ash Giddings
*Product Manager,
Maxava*

WHO WE ARE



IBM i HA + DR

Real-Time
Replication

Minutes-To-Recover

Installations in
60+ Countries



Privately Owned



Predictable Pricing



Since 2001

IBM POWER SOLUTIONS CATALOG

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**MAXAVA**

Maxava HA Enterprise+

Maxava HA Enterprise provides scalable IBM i real-time replication, virtually unlimited concurrent apply processes, constant data checking and an easy-to-use GUI. Taking advantage of the latest techn...

Company name: Maxava
Operating systems: IBM i
Workloads: Automation, Backup and Recovery, Busines...
Deployment type: Cloud (other), On-prem full support, PowerVS / IBM Cloud

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**MAXAVA**

Maxava Monitor Mi8

Maxava Monitor Mi8 is an intelligent solution for multi-platform monitoring. Its cloud-based architecture enables you to monitor servers for current and potential issues, irrespective of location. Ale...

Company name: Maxava
Operating systems: AIX, IBM i, RHEL, Other Linux
Workloads: Application Modernization, Automation, B...
Deployment type: Agent support, Cloud (other), On-prem full support, PowerVS / IBM Cloud, SaaS

[Learn more](#) [Company information](#)

**MAXAVA**

Maxava Security

Protect your mission-critical IBM i data from ever-increasing threats with Maxava Security, a comprehensive solution that adds an invaluable layer of defense, paired with the agility to recover vital ...

Company name: Maxava
Operating systems: IBM i
Workloads: Automation, Backup and Recovery, Busines...
Deployment type: Cloud (other), On-prem full support, PowerVS / IBM Cloud

[Learn more](#) [Company information](#)

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What's New with IBM PowerVS

Join us for an exclusive webinar as we explore the latest IBM Power Virtual Server (PowerVS) advancements. IBM continues to enhance its cloud offerings, and this session will provide key updates on new features, expanded compliance capabilities, additional regional availability, and the broader strategic direction of PowerVS. Whether you're currently using PowerVS or considering cloud options for your IBM Power workloads, this webinar will provide valuable information on what's next and how you can benefit.

[Watch now](#)

Unlock Growth with Maxava: Partnering for Success with IBM i High Availability

Join Maxava's Regional Sales Director, Omar Shishani and Product Manager, Ash Giddings, for an exclusive partner-focused webinar where we'll explore how working with Maxava can help you achieve just that. Whether you're a current Maxava partner or considering joining our global network, this session will outline how our partner program is designed to support your growth through proven solutions, enablement, and commercial flexibility.

[Watch now](#)

What is IBM Power Virtual Server?

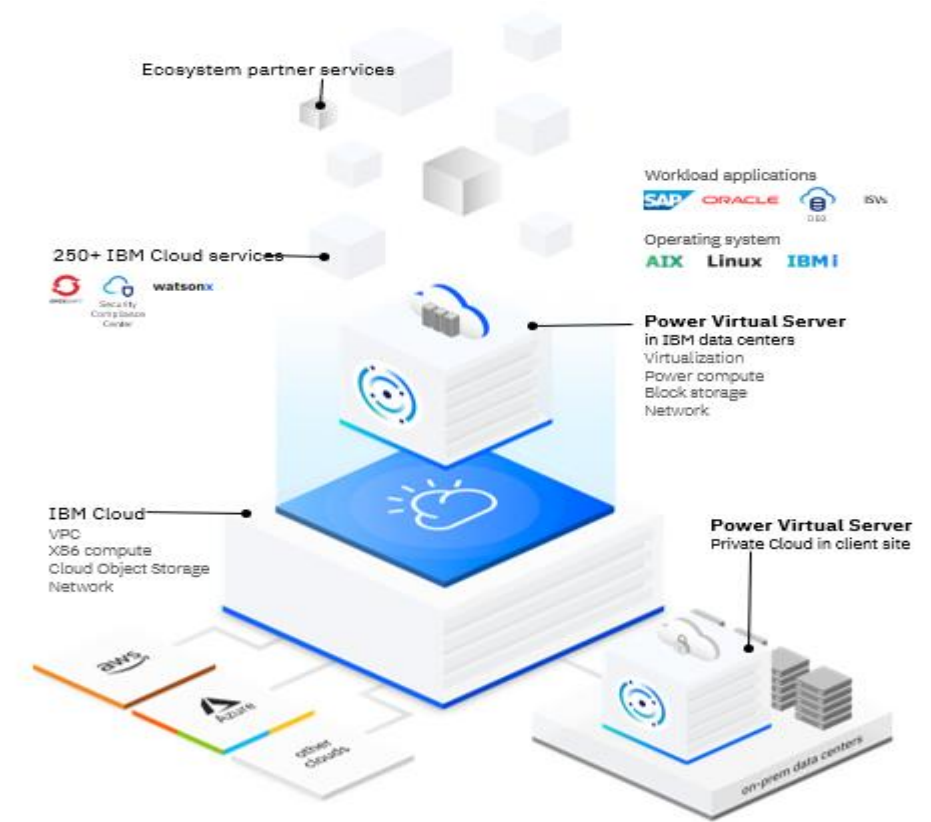
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WHAT IS IBM POWER Virtual Server

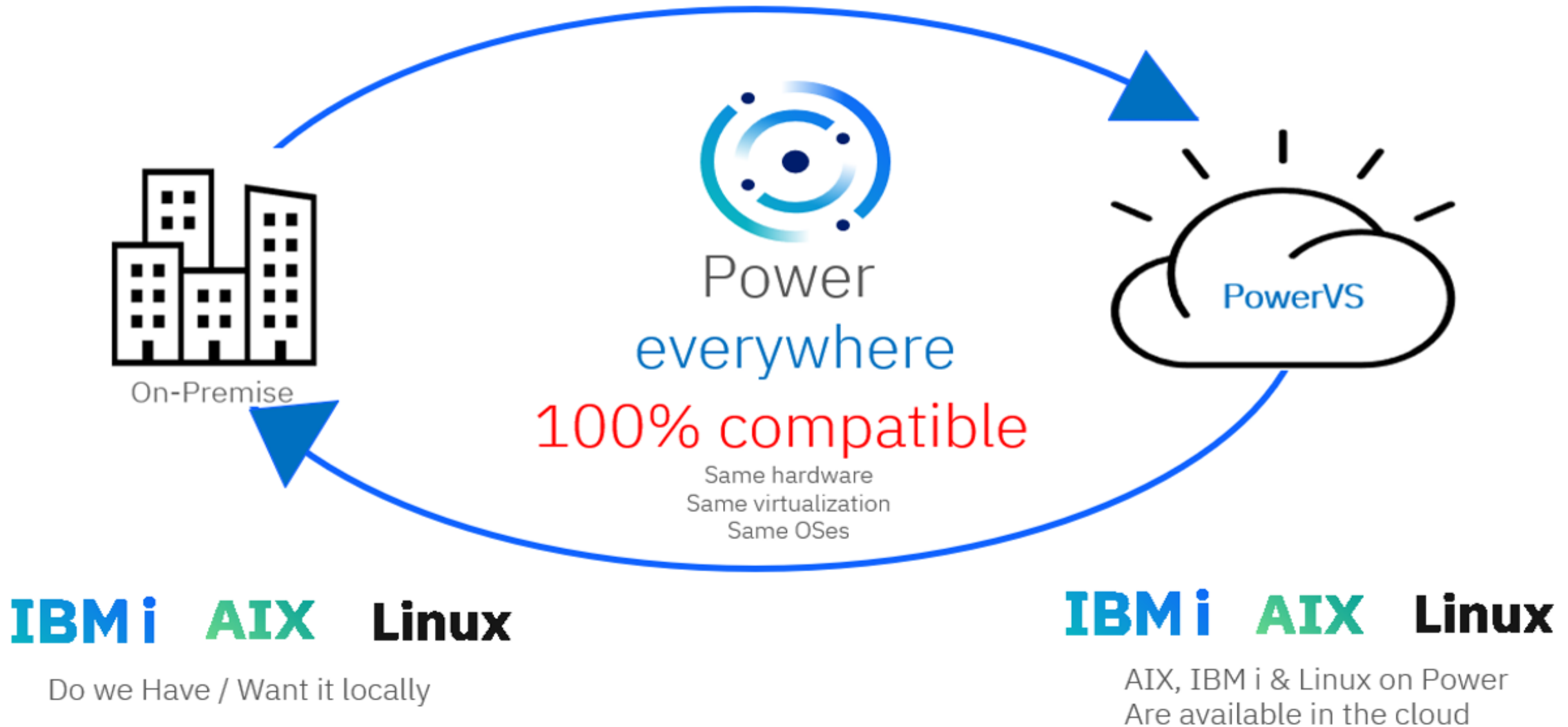
IBM is investing in Power Virtual Server to create the world's best landing zone for IBM Power workloads

1. Extending the Power platform with a seamless hybrid experience
2. Provides comprehensive compliance and rich business continuity options
3. Strong and growing Ecosystem



Built on the foundation of [reliability](#), [availability](#), [security](#), [scalability](#) of the IBM Power platform

WHAT IS IBM POWER Virtual Server



WHAT IS IBM POWER Virtual Server



WHAT IS IBM POWER Virtual Server

No compromise on support, deployment options, billing...

Technology & Scalability

Power9, Power10 & Power11
Scale-out and Enterprise, Shared and Dedicated Options
IBM Owns the Full Power Stack
Large Internal Adoption of PowerVS by IBM

Ecosystem

Strong ISV & Workloads Support
(Oracle, SAP, IBM i, AIX, OpenShift, Linux)
Large IBM Cloud Services Catalog
Additional 3rd party Solutions for Power

Hybrid Cloud

Global Data Center Footprint
Consistent IT Architecture as On-Prem Power Deployments
PowerVS Private Cloud
Unique Power Private Cloud offering, consistent with PowerVS public

Features & Capabilities

Shared Processor Pool
Placement Policy
(server, pool, storage)
Global Replication Services
High Availability, Disaster Recovery, Backup

Configuration

Dedicated Cores, Shared Capped/Uncapped
De-coupled core / memory requirements
Multiple Storage Tiers
(Tier3, Tier1, Tier0, Flexible IOPs)

Economics

Capacity Based (vs VM Based) Infrastructure Licensing
Online Cost Estimator, Pay Go or Discounts with 1-3 Year Commitments
All IBM i Software Tiers Available

Traditional IBM i HA/DR

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TRADITIONAL IBM i HA/DR

High Availability



High Availability

Disaster Recovery



Disaster Recovery

WHAT IS HIGH AVAILABILITY?

Availability	Downtime / Year	Downtime / Month	Downtime / Week	Downtime / Day
99.999%	5.256 Minutes	0.438 Minutes	0.101 Minutes	0.014 Minutes
99.995%	26.28 Minutes	2.19 Minutes	0.505 Minutes	0.072 Minutes
99.99%	52.56 Minutes	4.38 Minutes	1.011 Minutes	0.144 Minutes
99.95%	4.38 Hours	21.9 Minutes	5.054 Minutes	0.72 Minutes
99.9%	8.76 Hours	43.8 Minutes	10.08 Minutes	1.44 Minutes
99.5%	43.8 Minutes	3.65 Hours	50.538 Minutes	7.2 Minutes
99.25%	65.7 Hours	3.65 Hours	75.308 Minutes	10.8 Minutes
99.000%	87.6 Hours	7.3 Hours	101.077 Minutes	14.4 Minutes

WHAT IS DISASTER RECOVERY?



Flood



Fire



Major Breakdown



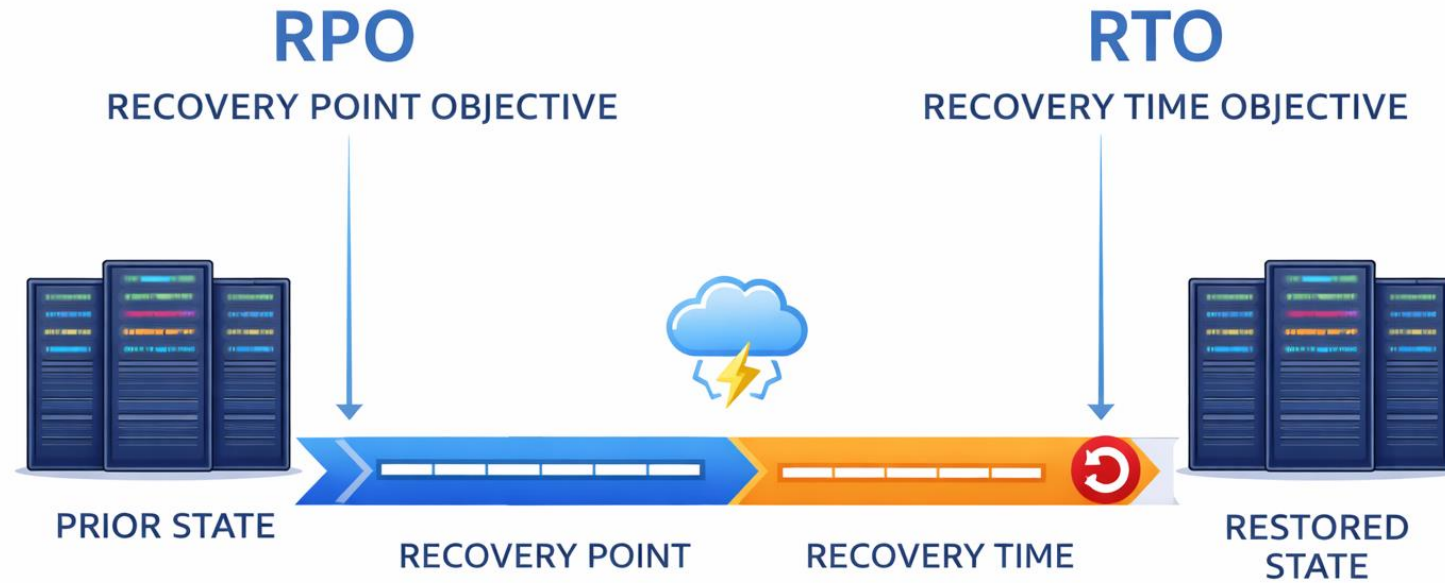
Hurricane



Cyber Attack

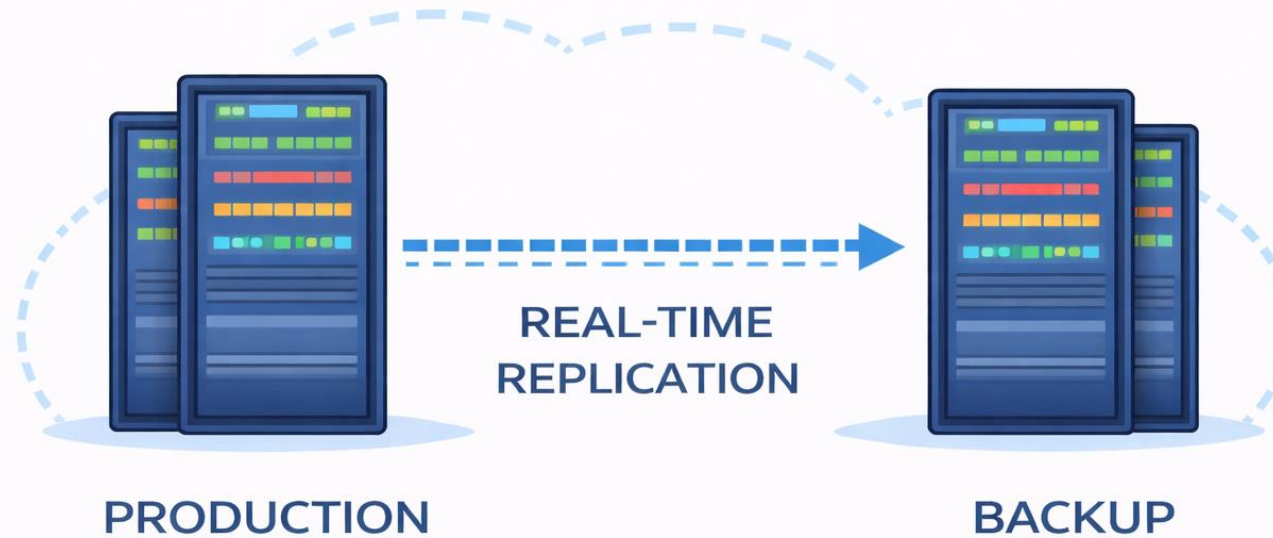
Incidents That Trigger Disaster Recovery

TRADITIONAL IBM i HA/DR



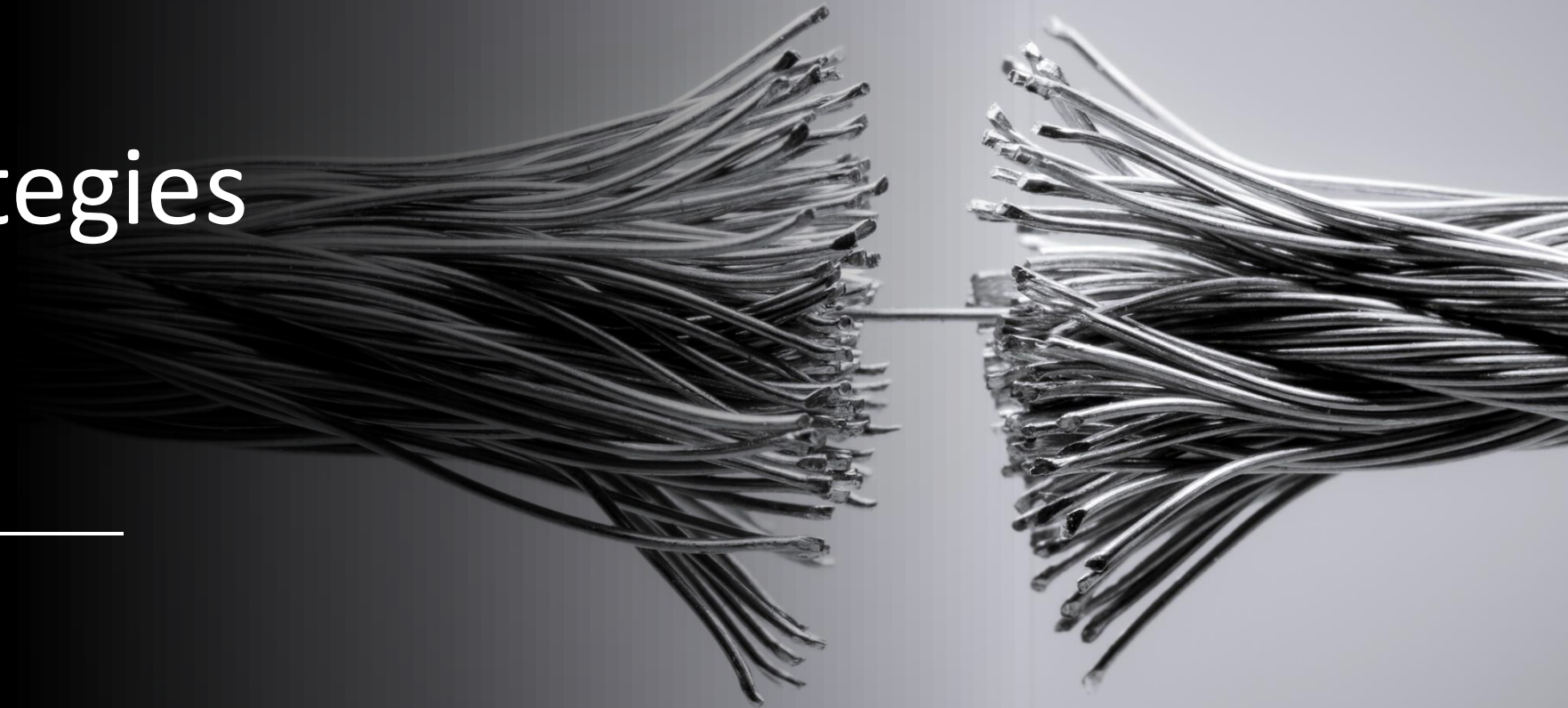
TRADITIONAL IBM i HA/DR

LOGICAL REPLICATION



Why DR Strategies Fail

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REGULATORY DRIVERS



HA/DR in Place

Prove Recoverability

WORLDWIDE REGULATIONS

Global Regulations on Operational Resilience & Business Continuity



UNITED STATES

Applies to: Publicly traded companies



Sarbanes-Oxley Act (SOX)

Applies to: Publicly traded companies



GLBA (Gramm-Leach-Bliley Act)

Applies to: Financial institutions



HIPAA Security Rule

Applies to: Healthcare providers and processors



FFIEC Business Continuity & Resilience Guidance

Applies to: US banks and financial institutions



EUROPEAN UNION

GDPR (EU 2016/679)

Operational Resilience by Design and by Evidence



DORA (EU 2022/2554)

Operational Resilience by Design and by Evidence



Recovery of critical systems and data must be evidenced



Resilient, auditable controls must survive outages



Proven recovery plans are mandatory in regulated sectors



UNITED KINGDOM (UK)

UK Operational Resilience

FCA and PRA regulations converging with DORA and EU operational resilience



UK Operational Resilience

FCA and PRA regulations converging with DORA and EU operational resilience



Impact tolerances for critical services must be defined by regulations



Impact tolerances for critical services must be defined by regulations

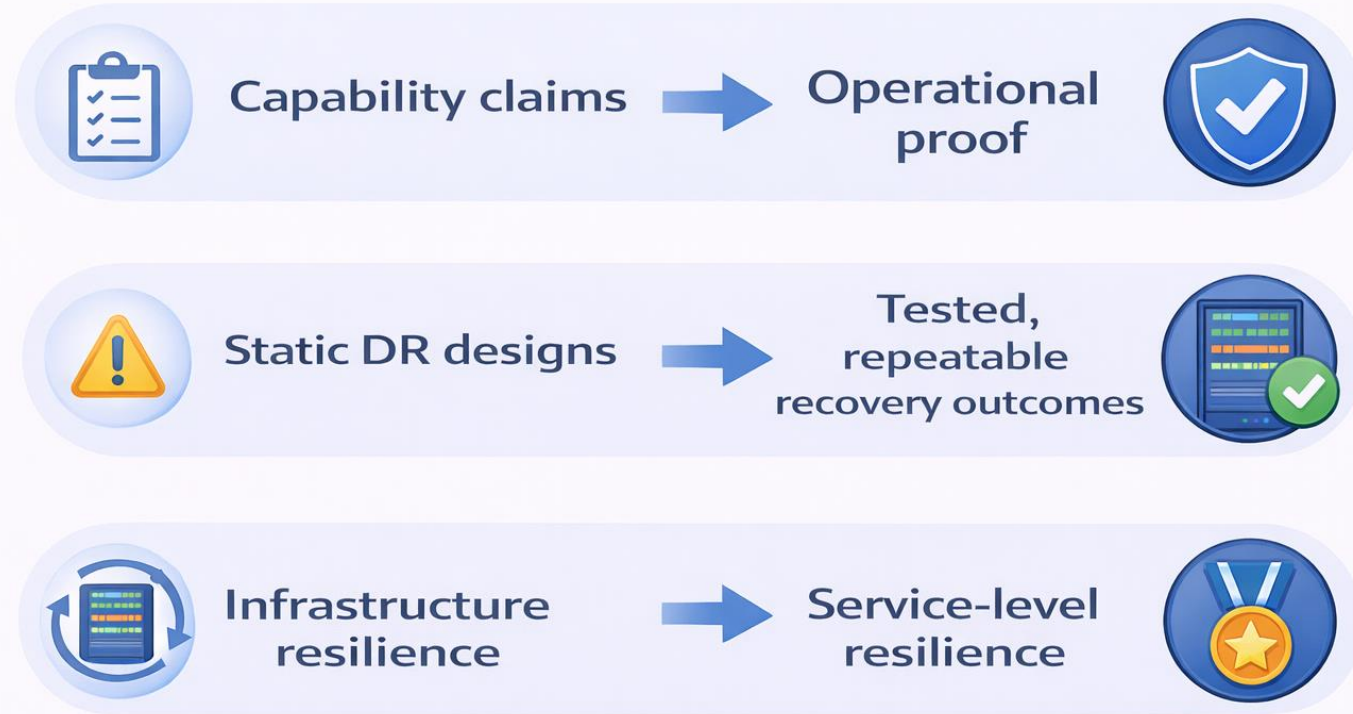
Converging with EU operational resilience (DORA)

REGULATORY DRIVERS – THE SHIFT

Times are Changing



REGULATORY DRIVERS – THE SHIFT



Where IBM Power Virtual Server fits with HA/DR

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FLEXIBLE HYBRID CONFIGURATIONS

LOGICAL REPLICATION



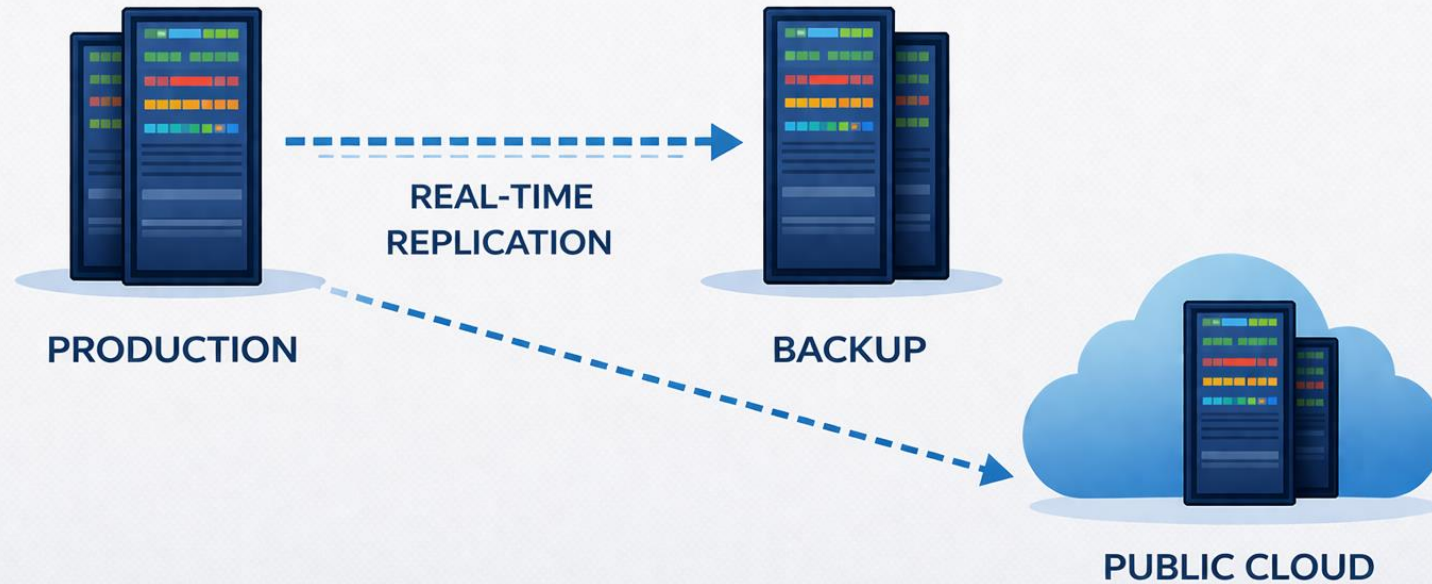
FLEXIBLE HYBRID CONFIGURATIONS

LOGICAL REPLICATION



FLEXIBLE HYBRID CONFIGURATIONS

LOGICAL REPLICATION



FLEXIBLE HYBRID CONFIGURATIONS



How Can IBM Power Virtual Server Help with Resiliency?

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IBM POWER VIRTUAL SERVER DATA SOVEREIGNTY

Encryption

- IBM Cloud encrypts all data in transit and at rest.
- IBM Cloud services to encrypt your data with your own keys,
- IBM Cloud Hyper Protect Crypto Services allows you to keep your own key (KYOK)

EU Support

- Turing on EU support limits Client Service Delivery that is provided by IBM Cloud to team members in the European Union region.

IBM POWER VIRTUAL SERVER DATA RESILIENCY

Control plane Resiliency

- Built-in HA within a single zone with Multiple Service Brokers per zone (3 SB per zone)
- Zones are >8 miles apart, so there is business continuity (BC) protection with the multiple zones within a region

Data plane Resiliency

- Default VM HA: VMs will restart on other systems when a system fails (Simplified Remote Restart)
- For maintenance window: Live Partition Mobility(LPM)
- Redundant Infrastructure: Storage Controllers, Compute, VIOS, Switches, etc.

IBM POWERVS SECURITY RESPONSIBILITY

Customer

Responsibility for security “in” the cloud

Customer Data

Platform, Applications, Identity & Access Management

Operating System, Network & Firewall Configuration

Client-side Data
Encryption & Data Integrity
Authentication

Server-side Encryption
(File system and/or data)

Networking Traffic Protection
(Encryption, Integrity, Identity)

Software

Compute

Storage

Database

Networking

Hardware & Infrastructure

Regions

Availability Zones

Edge Locations

Cloud Service Provider

Responsibility for security “of” the cloud

IBM POWER VIRTUAL SERVER COMPLIANCE

Compliance profile

GDPR

CCPA (California Privacy Law)

NIS

LGPD (Brazil Privacy Law)

ISO 27001, 27017, 27018

SOC 1 Type II

PCI-DSS

SOC 2 Type II

HIPAA readiness

IBM Cloud for Financial Services

CSA (Cloud Security Alliance)

IRAP (Australia)

HITRUST

ISMAP (Japan)

ENS High (Spain)

Protected B (Canada)

Comments

Followed IBM corporate GDPR privacy and risk assessment processes.

Followed IBM corporate CCPA assessment processes.

Followed IBM corporate NIS assessment processes.

Followed IBM corporate assessment process.

First received on 9/1/2020; recertified in 2021, 2022, 2023, 2024, 2025 (see [Certificate](#)).

First obtained on 12/2020; last report received on December 2025 ([link](#)).

PCI Attestation of Compliance (AOC) first received in 4Q 2022.
Revalidated under new PCI-DSS v4 specification in 4Q 2025 ([link](#)).

Latest report received on July 2025, covering the period from May 1st, 2025 to October 30, 2025 ([link](#))

Assessed against all HIPAA controls by IBM HPO – service declared “HIPAA Ready” (February 2024) ([link](#)).

Completed validation against IBM FS Cloud compliance controls (May 2024) ([link](#)).

CSA STAR certified ([link](#)).

Report obtained June 2024. *Some exceptions in Sydney Data Center physical controls noted, will be addressed by migrating from collocated data centers to IBM Cloud managed data center that meet IRAP requirements.*

Certification by HITRUST Alliance obtained in December 2024.

Certification obtained on June 30, 2025, see IBM Cloud compliance [link](#) and [ISMAP Website](#) (listing is in Japanese).

Received end of 2025

Received end of 2025

How Can Maxava Help with Resiliency?

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REGULATORY PATTERNS



Ability to restore availability and access



Defined recovery and restoration procedures



Regular testing and validation



Assessment of effectiveness



Documented evidence for audit and supervisory review

SIMULATED ROLE SWAP

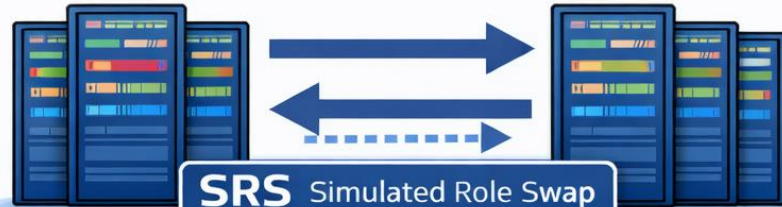
MAXAVA HA SIMULATED ROLE SWAP

SRS: Test failover without impacting production



PRODUCTION

- ✓ Validate HA readiness
- ✓ Check applications
- ✓ Verify replication



BACKUP



NO DOWNTIME

SWAP READY – VENDOR CERTIFIED



WHAT IS SWAP READY AUDIT CERTIFICATION?

The SWAP Ready Audit Certification is an in-depth assessment of your IBM i Availability/Disaster Recovery (HA/DR) environment to ensure it's prepared for seamless role swap situations effectively.



ENSURE YOU'RE SWAP-READY



Comprehensive Assessment

Thoroughly evaluate your HA/DR hardware, software, and failover capabilities.



Identify Weaknesses

Pinpoint and address any gaps or vulnerabilities in your environment.



Improve Response Time

Recommendations to boost efficiency in case of a server failure.



Reduce Risks

Minimize the risk of downtime during critical incidents.



Enhance Disaster Preparedness.

Ensure your systems are optimized for fast, reliable failovers.



Receive Expert Support

Get actionable recommendations from HA/DR specialists.

Be confident your IBM i environment is prepared for seamless role swaps.

BE READY TO SWAP, WITHOUT EXCEPTION

Maxava Service Tiers Comparison

Process Stage	Essentials	Advanced	Premium
Annual Assessment	✓	✓	✓
Documented Findings	✓	✓	✓
Swap Ready Certificate	✓	✓	✓
Remediation	-	✓	✓
Coordinated Role Swap	-	✓	✓
Continuous Monitoring	-	-	✓

POSITIVE IMPACT ON INSURANCE



Lower premium pressure / better terms



Less uninsured downtime from waiting periods



Lower loss severity



Reduced exposure to penalties and remediation costs



Better insurability

POWERVS2500

Try IBM Power Virtual Server For Free

Potential new IBM Power Virtual Server (PowerVS) clients receive \$2,500 credits, allowing them to try PowerVS for up to three months at no cost.

IBM® Power® Virtual Server is a family of configurable, multitenant, virtual IBM Power servers with access to IBM Cloud® services, web, DevOps and IBM Db2® that help you expand your hybrid journey. Maintain the security and high performance of IBM Power while modernizing at your pace and price point on and off premises.

\$2,500 credits

- Free trial for PowerVS & supporting cloud services
- Includes initial setup of client to site VPN connectivity
- Up to three months at no cost dependent upon the size of the virtual instance environment
- Credits expire after 90 days

PowerVS Quickstart (Optional)

Provides pre-configured virtual server instances, available in the IBM Catalog represented as t-shirt sizes, for all operating systems supported by PowerVS in eligible datacenters.

- Automated deployment of virtual servers
- Easily provision in less than 20 minutes
- Various preconfigured options available

Why IBM Power Virtual Server



No re-platforming:
Architecturally consistent
compute, storage, and IO



Highly reliable infrastructure
with leading business
continuity and disaster
recovery



Automated Backup as a Service for
AIX / Linux with Secure Automated
Backup with Compass by Cobalt
Iron and Virtual Tape Library for IBM
i backup enhances data protection



Superior IBM Power
security and
comprehensive
compliance



Flexible consumption; fully owned and operated
by IBM [delivering](#) industry leading SLAs

Interested in POWERVS2500?

It's easy to get started.

If you don't have an IBM Cloud account, [click here](#) to create one.

Visit the [PowerVS catalog](#) or [Power Virtual Server with VPC landing zone](#)

Log in to your IBM Cloud Account.

From the top menu, select "Manage", then "Billing & Usage".

In the left-hand menu, click "Promotions and Credits"

Enter the promo code "POWERVS2500".



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* PowerVS and
virtual server ins
any other [promo](#)

ployment. Credits apply to
offers cannot be combined with

This document is for informational purposes only. All information provided here is subject to change without notice. Please refer to the specific contracts for details; this is a summary, and the applicable contract provides the binding obligations between the parties. If there is a discrepancy between a contract and this guidance, the contract will prevail.

Learn how to quickly get started with IBM Power Virtual Server

Three guided tracks:

How to create and configure your account.

How to activate your 2500 promo credits.

How to launch Deployable architecture .

Start the **IBM Power Virtual Server** click-through demo

In this hands-on experience, you'll learn how to quickly get started with Power Virtual Server—migrating workloads without replatforming, adapting to changing business needs, and embracing a flexible hybrid cloud approach.

We'll walk you through three guided tracks: how to create and configure your account, how to activate your trial and its resources, and how to configure your Power Virtual Server environment.

Track 1

Set Up Your IBM Cloud Account

Create and configure your account step-by-step.

Start

Track 2

Use your free credits

Understand how to enable notification when trial resources have been fully allocated.

Start

Track 3

Deploy Your Power Architecture in Cloud

Manually configure your Power Virtual Server environment.

Start

The use of IBM technology is for illustrative purposes only and uses hypothetical organizational data. Actual performance and results may vary depending on specific configurations and operating conditions. Mobile users can view the demos by changing to landscape mode and using the scroll bar on the right as needed.



<https://www.ibm.com/products/power-virtual-server/demo>

IBM Power Virtual Server: The Essentials



PVS: the essentials

@PowerVSTonny · 28 abonnees · 13 video's

Meer informatie over dit kanaal ...meer

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Nieuwste Populair Oudste



IBM Power Virtual Server. The Essentials: How to create a Power...

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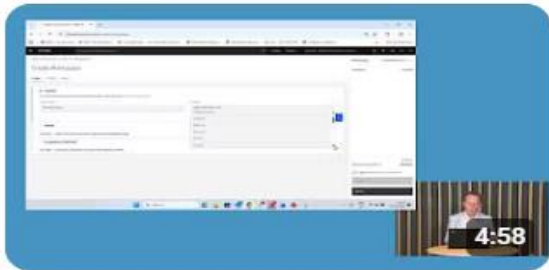
IBM Power Virtual Server: The Essentials. What is Affinity.

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IBM Power Virtual Server: The Essentials. Which IBM i tiers are...

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IBM Power Virtual Server: The Essentials: How to setup a...

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Questions?

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Thank You

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