

#pw2025

Power Week 2025

18 - 19 - 20 novembre 2025

IBM Innovation Studio Paris

**S08 – Automated Platform Maintenance - Eliminate Business Disruptions
with Zero Planned Downtime**

18 novembre 11:15 - 12:15

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Automated Platform Maintenance - Eliminate Business Disruptions with Zero Planned Downtime

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IBM Power11

Engineered to accelerate enterprises into the AI era

Hybrid Cloud Platform

Operating Systems & Firmware

Computing Hardware

Silicon Technology



planned downtime with end-to-end automation¹

<1min

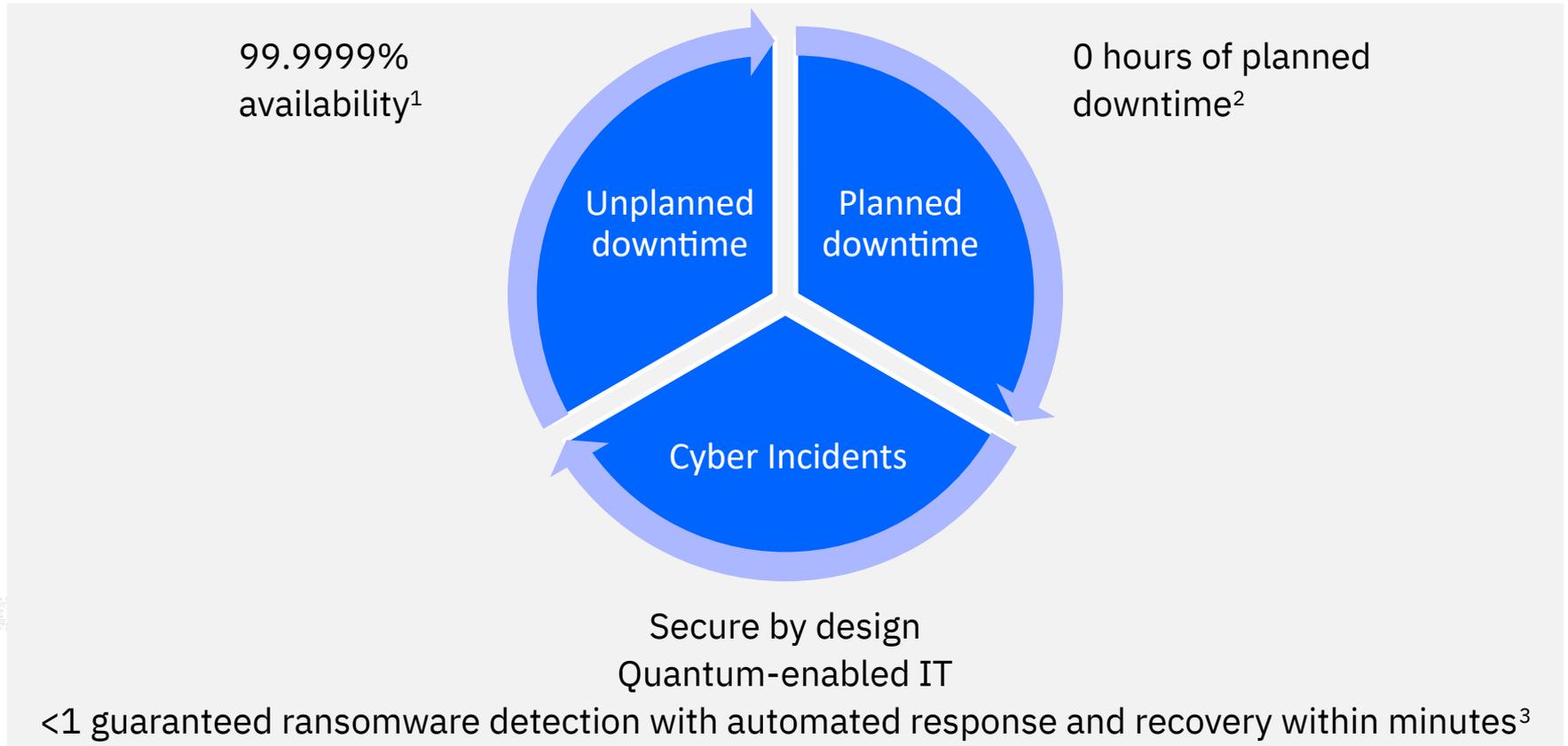
guaranteed ransomware detection with automated response and recovery within minutes²

23%

lower TCO while meeting GenAI performance requirement vs competition³

... Built on a foundation of performance, availability, and security

Total coverage for unprecedented business continuity



TOP INFRASTRUCTURE MAINTENANCE CHALLENGES



Complexity

System maintenance is complex, laborious, time-consuming, and costly

Business Disruptions

Infrastructure maintenance that results in application downtime impacts client service and business operations

Risk

Lack of infrastructure currency increases business security and technical risks

Average annual cost of planned downtime



\$5.6M

*

- Typical maintenance window is several hours.
- Multiple maintenance windows each year

Average amount of time spent by IT team managing maintenance



25-40% **

- Understanding & testing required maintenance levels
- Planning for maintenance windows, including navigating business priorities.
- Executing upgrades, often during nights & weekends



*. Forrester: <https://www.ibm.com/downloads/documents/us-en/10a99803f5afd8c1>

** Ponemon: <https://adaptiva.com/hubfs/Reports/The-State-of-Patch-Management.pdf>

IT Leaders no longer have to make a choice!



*They can perform infrastructure maintenance **and** keep business applications running.*

- ✓ **No planned application downtime**
- ✓ **Reduce planning & execution time**
- ✓ **Reduce risk by maintaining infrastructure currency**

Zero Planned Downtime can be executed by:

IBM Concert + IBM Power11

or

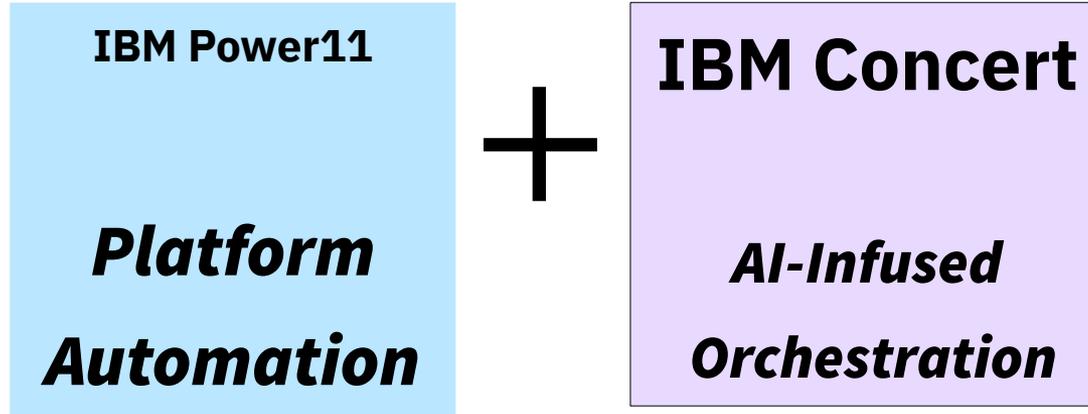
IT Admin at the Power11 HMC

What you are about to see:

1. Security Patch management & remediation with IBM Concert + IBM Power, including
 - **Discovery** of potential vulnerabilities
 - **Understanding** of risks
 - **Recommendations** for remediation
 - Ability to **act** by triggering Power11's automated maintenance workflow
2. Power 11's built-in automated maintenance that enables platform maintenance without application impact.



Zero-planned downtime enabled with IBM Power11...
and enhanced with IBM Concert



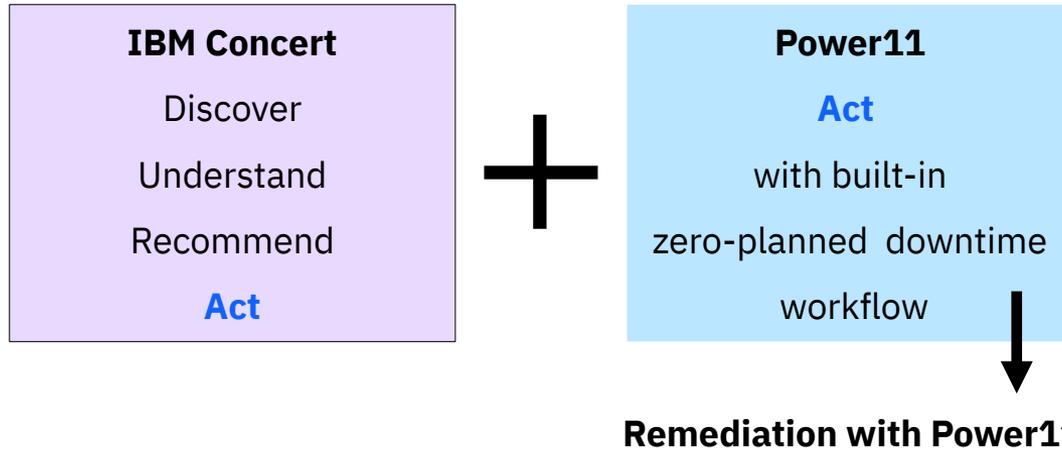
And delivering essential business outcomes

Reduced Risk

Increased
Productivity

Improved
Business Continuity

Vulnerability Management & Remediation



- Can be triggered directly from the HMC
- End-to-end automation for platform updates, including automated movement of workloads, with zero application downtime
- Available for firmware, VIOS, & HMC updates

- **Unmatched Business Resiliency** with **Zero Planned Downtime** delivered through platform automation capabilities integrated with IBM Concert's AI-infused workloads.

Improve Business Continuity

Minimize disruptions to business processes and mission-critical applications caused by maintenance windows while ensuring compliance with Service Level Agreements.

Reduce Risk

Enables faster & more frequent maintenance updates, keeping systems secure, stable, and compatible with evolving software and hardware requirements, lowering risks of performance degradation, security breaches or unplanned downtimes.

Boost Productivity

Automate and simplify complex IT tasks reduces time on task and the need for specialized skills, freeing up your team to focus on strategic initiatives.

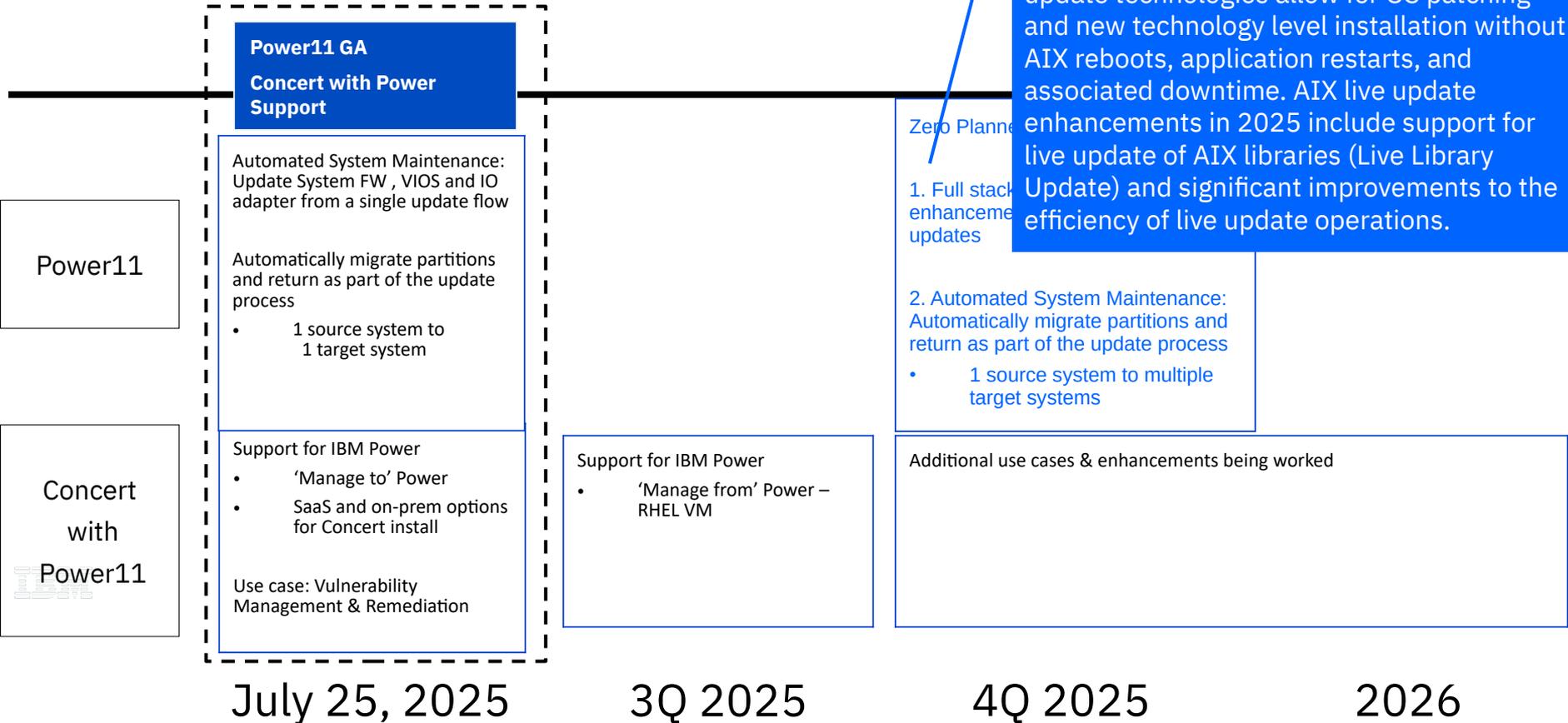
Reduce Costs

Planned maintenance transformed from a laborious, time-consuming, and disruptive task to easier, faster, and non-disruptive.



Looking forward...continued evolution & integration

ZPD will encompass the full stack with the inclusion of AIX OS (platform + OS). AIX live update technologies allow for OS patching and new technology level installation without AIX reboots, application restarts, and associated downtime. AIX live update enhancements in 2025 include support for live update of AIX libraries (Live Library Update) and significant improvements to the efficiency of live update operations.



July 25, 2025

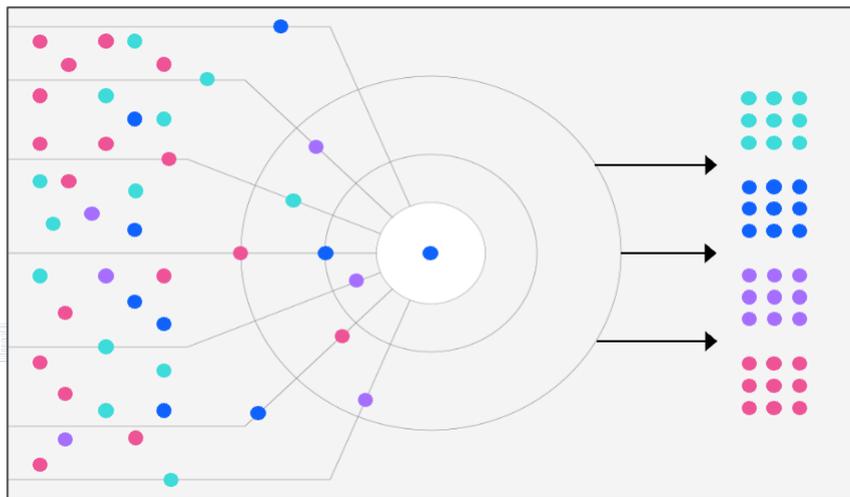
3Q 2025

4Q 2025

2026

IBM Concert with IBM Power is an AI-driven operations and automation platform designed to simplify and optimize IT operations for IBM Power environments.

It unifies fragmented operational data from your Power environment, using AI to deliver real-time insights, prioritized recommendations, and automated remediation actions.



It makes organizations:



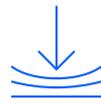
More connected by unifying siloed data into a single, application-centric view of resilience and compliance.



More proactive by automating remediation of even intermittent issues through low-code/no-code workflows.



More adaptable by enabling custom controls and frameworks that scale unique resilience and compliance strategies.



More resilient by minimizing disruptions to ensure continuous business operations

IBM Concert

IBM Power

Vulnerability

Total unique CVEs: 8

2 systems, 0 HMCs

0 (0%) Critical CVEs

3 (38%) High CVEs

5 (63%) Medium CVEs

0 (0%) Low CVEs

Power systems with most CVEs

System	Number of CVEs
ever62bmc	5
den1491	3

Find by name

Name	Type
ConcertAustin@PC_snecloud.stga...	HMC
den1491	System
ever61bmc	System
ever62bmc	System

Items per page: 50 | Items 1-4

CVE-2022-49043

VIOS Risk: High

Details

Vector

CVSS:3.1/AV:N/AC:L/PR:N/UI:R

Description

The HTTP/2 protocol allows a... quickly, as exploited in the wild

Aliases

BIT-apisix-2023-44487, BIT-a... 44487, BIT-envoy-2023-4448

Related CVEs

ALSA-2023:5708, ALSA-2023... ALSA-2023:5721, ALSA-2023...

IBM Concert

Back | IBM Power | Vulnerability | ever62bmc | Actions

ever62bmc

Last updated on: Jun 20, 2025 5:12 PM

CVEs Actions

Find by action

Actions	Applied to	CVEs fixed	Impact	Status	Review
Patch	VIOS	5	---	Approved pending	Review and approve

Current version: 4.1.0.21

Updated version: 4.1.1.10

Problems: 9,3,13,63

Items per page: 50 | Items 1-1

Review

action: Patch VIOS

Updated version: 4.1.1.10

Schedule

Date: 06/20/2025

Time: 05:12 PM

June 2025

S M T W Th F S

Cancel Approve

ever62bmc

Last updated on: Jun 20, 2025 5:12 PM

CVEs [Actions](#)

Total unique CVEs

5

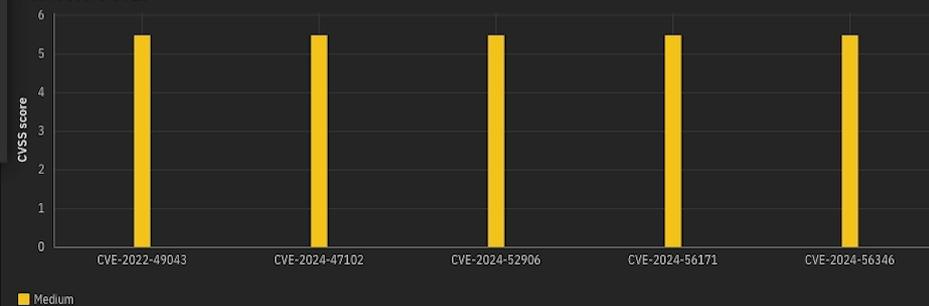
0 CVEs

Firmware

5 CVEs

VIOS

Most severe CVEs



Find by CVE

CVEs	CVSS [?]	Component type	Affected component name	Current version
CVE-2022-49043	^ 5.5	VIOS	ever62bmc-vios1	4.1.0.21
CVE-2024-47102	^ 5.5	VIOS	ever62bmc-vios1	4.1.0.21
CVE-2024-52906	^ 5.5	VIOS	ever62bmc-vios1	4.1.0.21
CVE-2024-56171	^ 5.5	VIOS	ever62bmc-vios1	4.1.0.21
CVE-2024-56346	^ 5.5	VIOS	ever62bmc-vios1	4.1.0.21

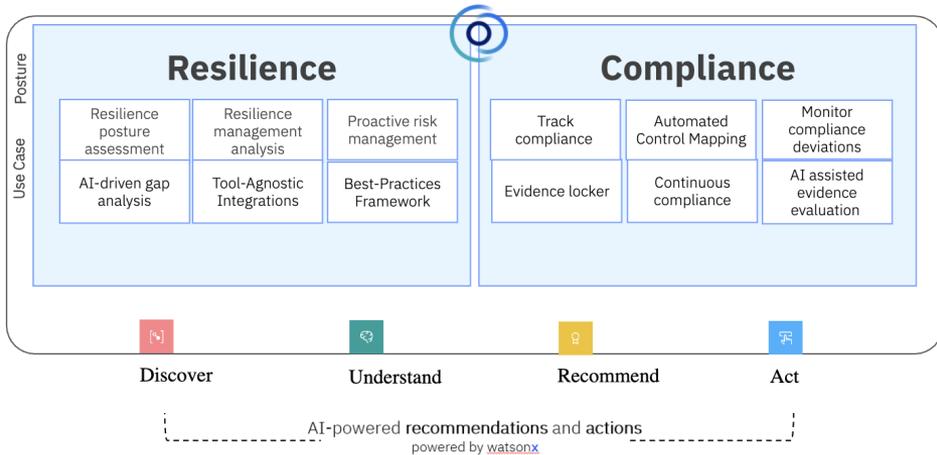
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Items 1-5

Page 1

Understanding IBM Concert and how it works

IBM Concert is an **application-centric resilience hub** that **unifies siloed data** across code, runtime, incident, and release tools, giving IT teams a comprehensive application view to proactively infer **root causes of intermittent failures**, recover faster from outages, and **establish compliance** through automated, audit-ready actions.



Discover

Seamless integrations with your existing tools, from development to operations.

AI-driven discovery of hidden connections in previously siloed data

Understand

App360 View powered by watsonx, revealing dependencies and critical insights.

Visualize insights in Arena View or explore them through a natural language chatbot.

Recommend

Context-aware recommendations tailored to each use case, helping teams focus on what matters most.

GenAI-powered insights, including deep dives and visual dependency maps.

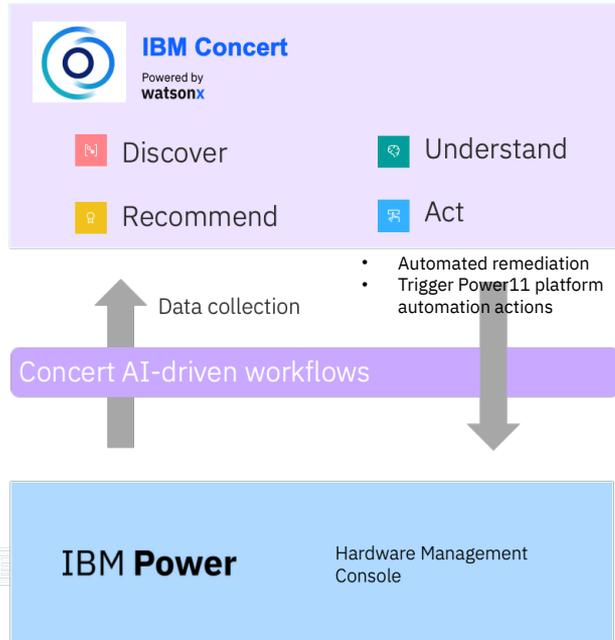
Act

Low-code workflows to remediate issues, integrate with connected tools, and reduce manual effort.

Leverage generative AI to develop complex, tailored workflow templates.

IBM Concert with IBM Power

Vulnerability management & remediation



- Includes:
- ✓ Pre-built data ingestion workflows.
 - ✓ Pre-built vulnerability remediation workflows.

- Concert Deployment model:
- ✓ Runs on X86
 - ✓ Available as SaaS



Discover

Discover Inventory and current version of

- System (firmware)
- Virtual IO Server
- Hardware Management Console (HMC)

Discover critical vulnerabilities in these versions.



Recommend

Strategically provides which vulnerabilities to prioritize and possible mitigation steps, how to mitigate each risk factor/CVE.



Understand

Understand the vulnerabilities (CVEs) within the context of the current Power version.

Brings all risk factors in a single view and prioritizes risks based on impact (risk score).



Act

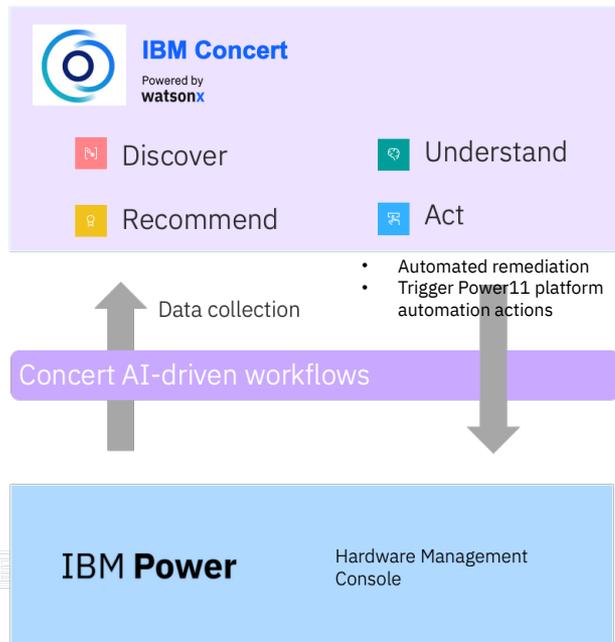
Allows user to take immediate and automated actions based on the insights through low code workflows.

For example, triggering P11 updates via **zero-planned downtime**.

IBM Concert with IBM Power

Vulnerability management & remediation

Coming in Q4 2025



Includes:

- ✓ Pre-built data ingestion workflows.
- ✓ Pre-built vulnerability remediation workflows.

Concert Platform Support:

- ✓ Runs on X86
- ✓ Available as SaaS
- ✓ **Runs on Power¹** 



Discover

Discover Inventory and current version of

- System (firmware)
- Virtual IO Server
- Hardware Management Console (HMC) 
- **OS: AIX, Linux**

Discover critical vulnerabilities in these versions.



Recommend

Strategically provides which vulnerabilities to prioritize and possible mitigation steps, how to mitigate each risk factor/CVE.



Understand

Understand the vulnerabilities (CVEs) within the context of the current Power version.

Brings all risk factors in a single view and prioritizes risks based on impact (risk score).



Act

Allows user to take immediate and automated actions based on the insights through low code workflows.

For example, triggering P11 updates via **zero-planned downtime**.

Zero Planned Downtime via Power11's Automated Platform Update is available when...

Update Scenario	Dual VIOS Config	Live Partition Migration
Concurrent FW Updates	Not Required	Not Required**
VIOS updates / upgrades I/O adapter FW updates*	Required	Not required**
Non-concurrent FW updates	Not Required	Required

Requirements for Live Partition Migration

- Base requirements (e.g., shared storage, network, virtualized I/O)
- Needed capacity available in the target server
- Application compatibility (e.g., licensing, technical)

* I/O adapters assigned to VIOS and SRIOV shared only
 ** User optionally still may choose to migrate the partitions



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