

Power Week 2025

#pw2025

18 - 19 - 20 novembre 2025

IBM Innovation Studio Paris

S50 – Modernisation des opérations & innovation IT

Session 3 Concert : amélioration de la résilience des applications

19 novembre 14:45 - 15:45

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IBM

common
FRANCE

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2025



Modernisation des opérations & innovation IT Session 3

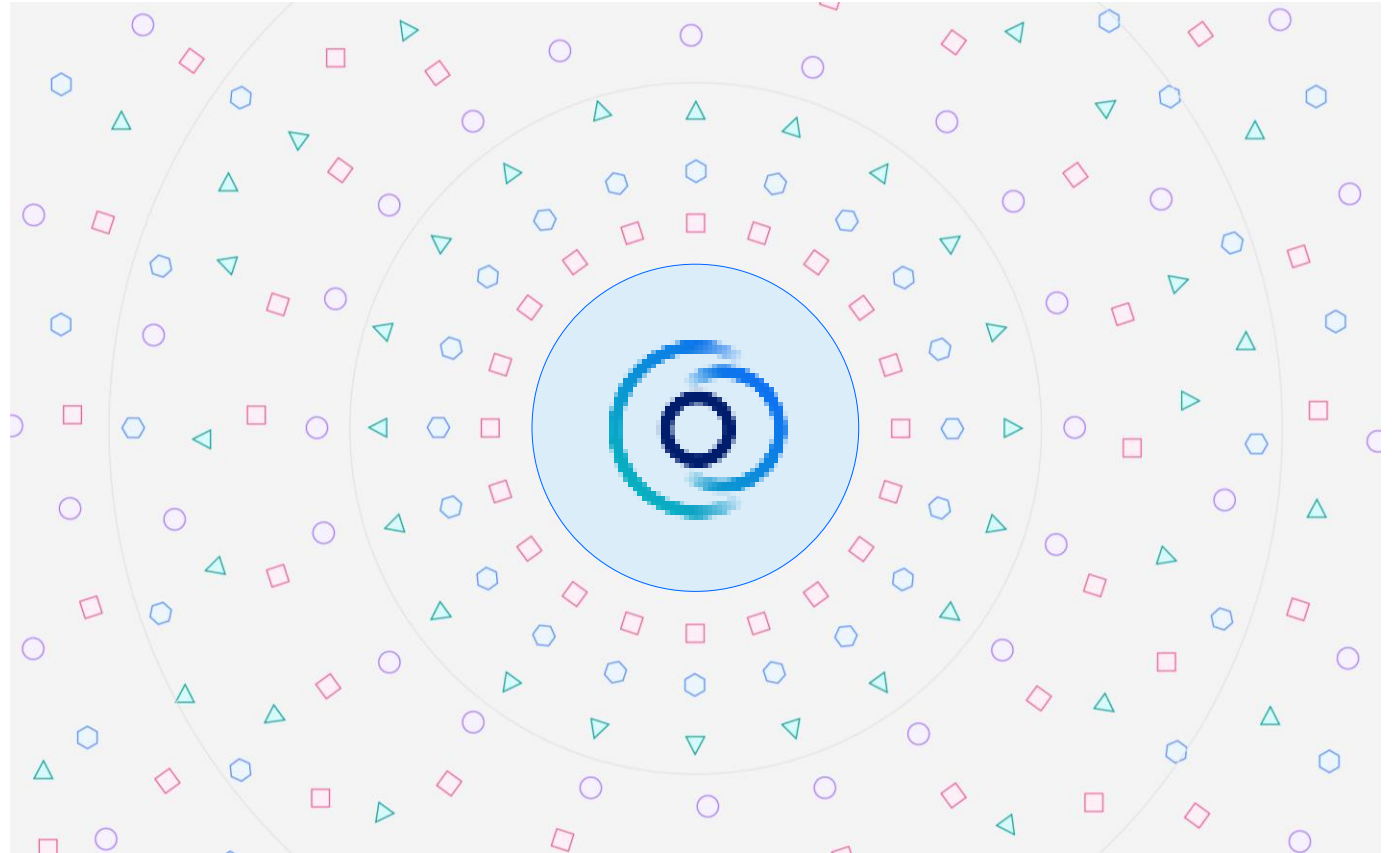
Le Power dans l'amélioration
de la résilience des applications
avec IBM Concert

Concert

IBM Concert® est le liant qui met en corrélation toutes les données des cycles de vie de vos applications spécifiques et les traite pour déterminer et exécuter les plans d'action :

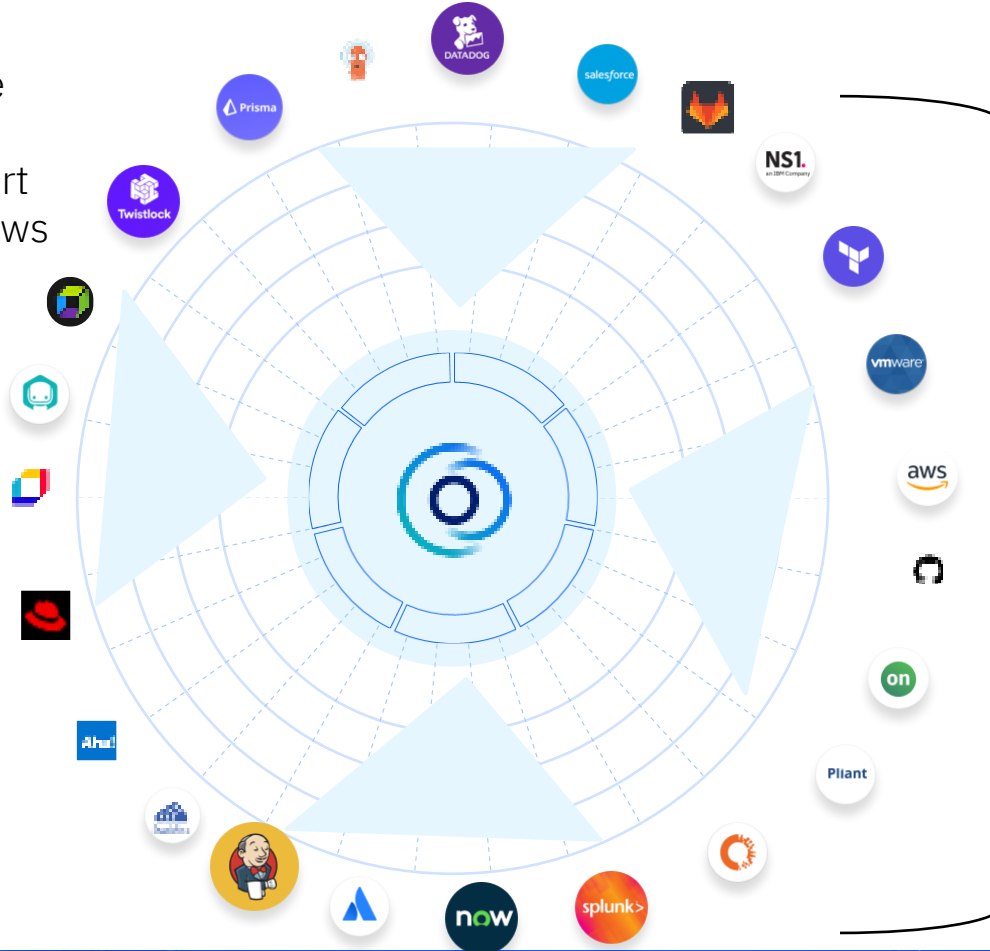
- de maîtrise des risques,
- de mise en conformité
- d'amélioration de la résilience

Client zéro : IBM



Etablir une vue
360 degrés
sans zone d'ombre
du parc applicatif
grâce à IBM Concert
et Concert Workflows

IBM Concert
meets
you where you are
bringing disparate
data into one
place, breaking
down data silos
and drawing new
insights



App 360°

Grasp the impacts in your data:



Understand the lineage
of your application



Visualize changes
over time



Uncover missing links



Take intelligent actions

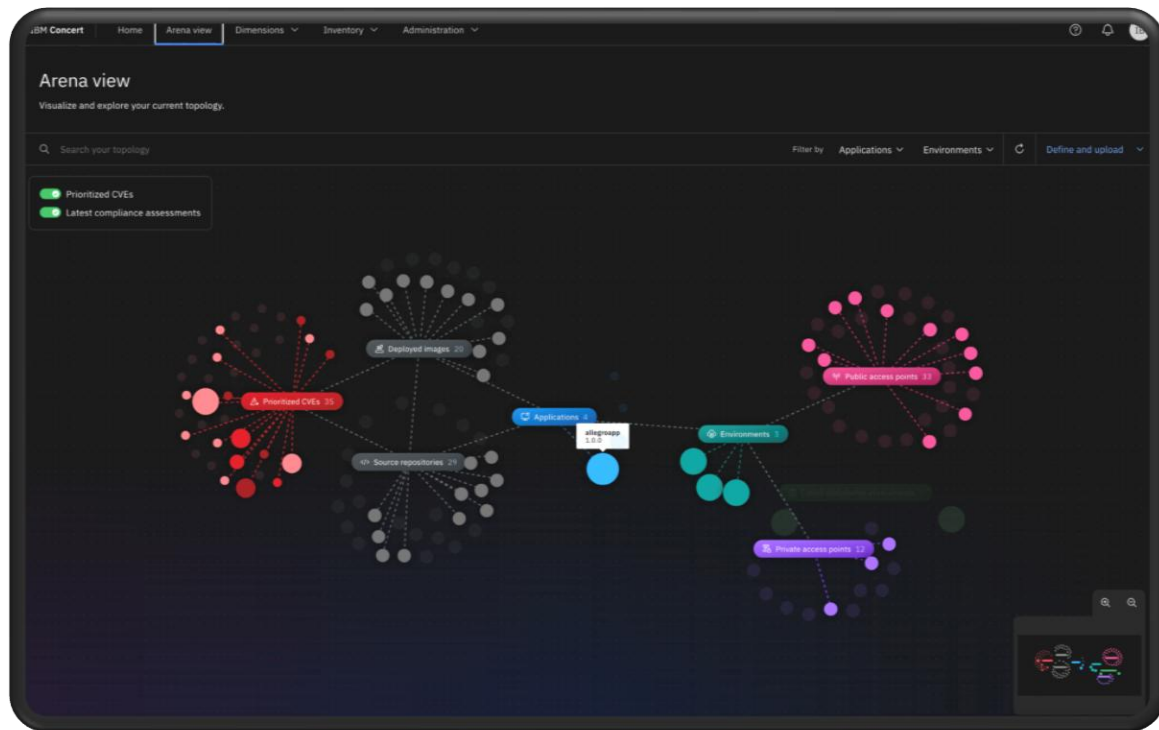


Concert

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Concert vous donne
une vue unifiée
de la topologie
de votre parc applicatif

- Brise les silos entre les outils et les équipes
- Renforce le partage d'information entre les équipes
- Transforme les données disparates en une vision cohérente et complète de chaque application



IBM Concert



Comment

Découvre

Comprend

Recommande

Agit

A votre échelle

Dans quel but

- Réduire les risques
- Améliorer la résilience
- Réduire les coûts
- Libérer du temps
- Améliorer la productivité

Dans le contexte
Vulnérabilités de

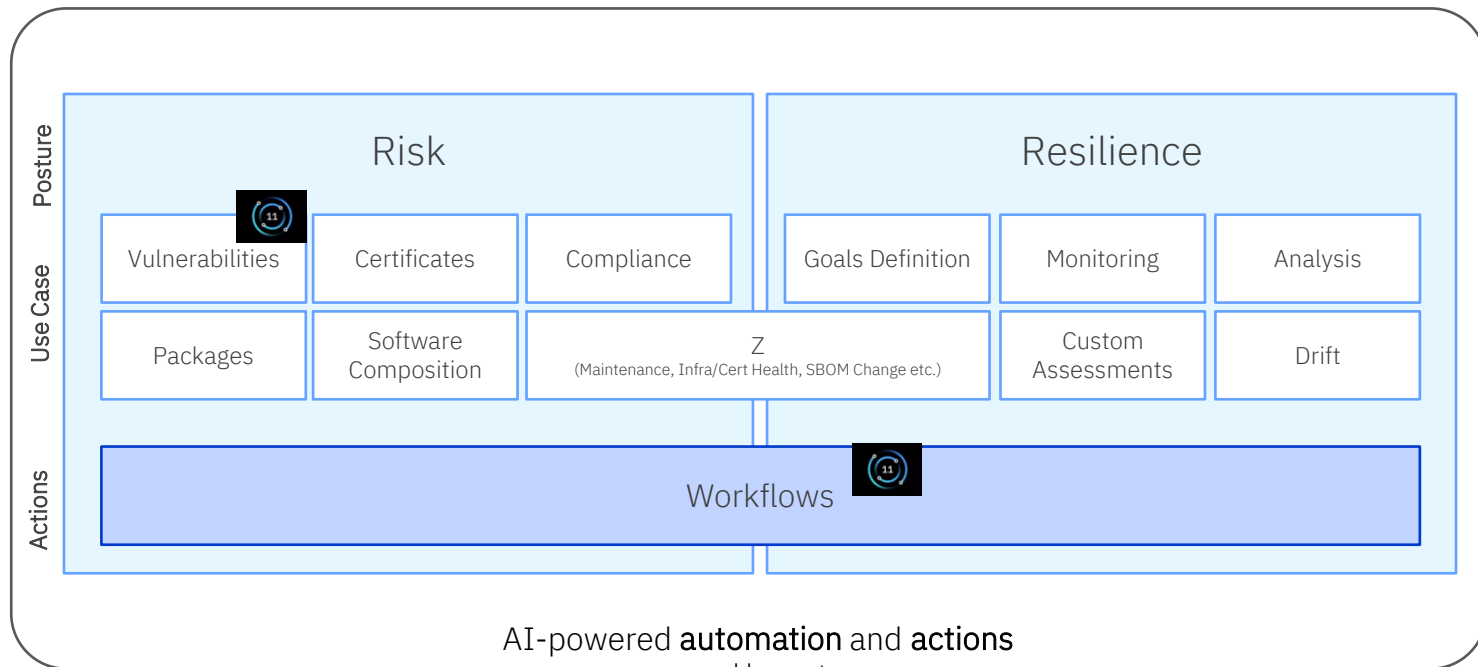


- Système (Firmware)
- Virtual IO Server
- HMC

Réduire les risques opérationnels

Améliorer la résilience applicative

What



AI-powered **automation** and **actions**
powered by watsonx



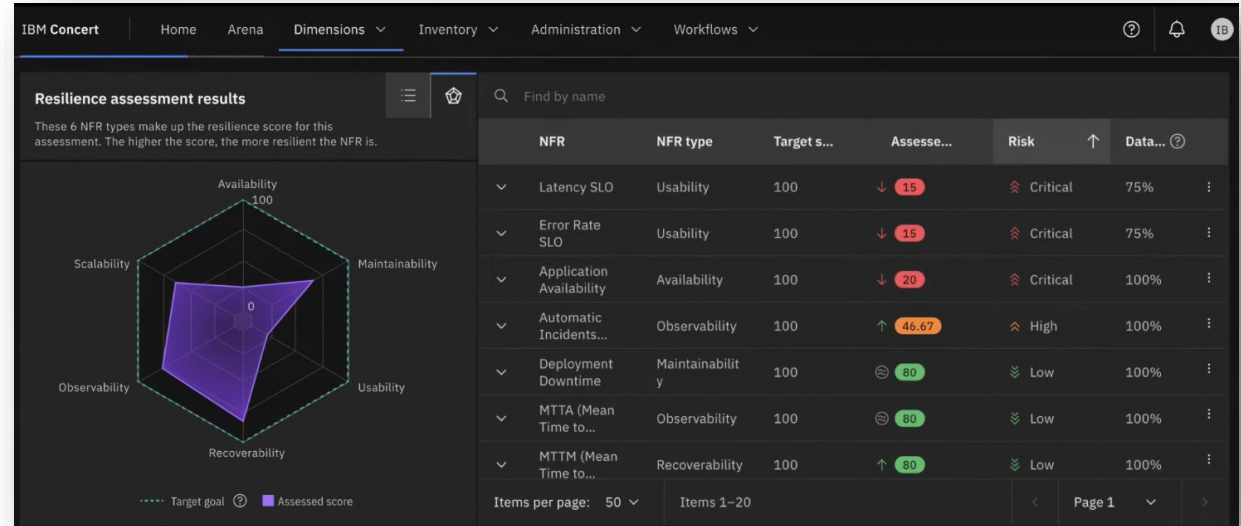
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Le Résultat ?

Vous disposez “enfin” d’une vision quantifiée, et partagée de l’état réel de vos applications.

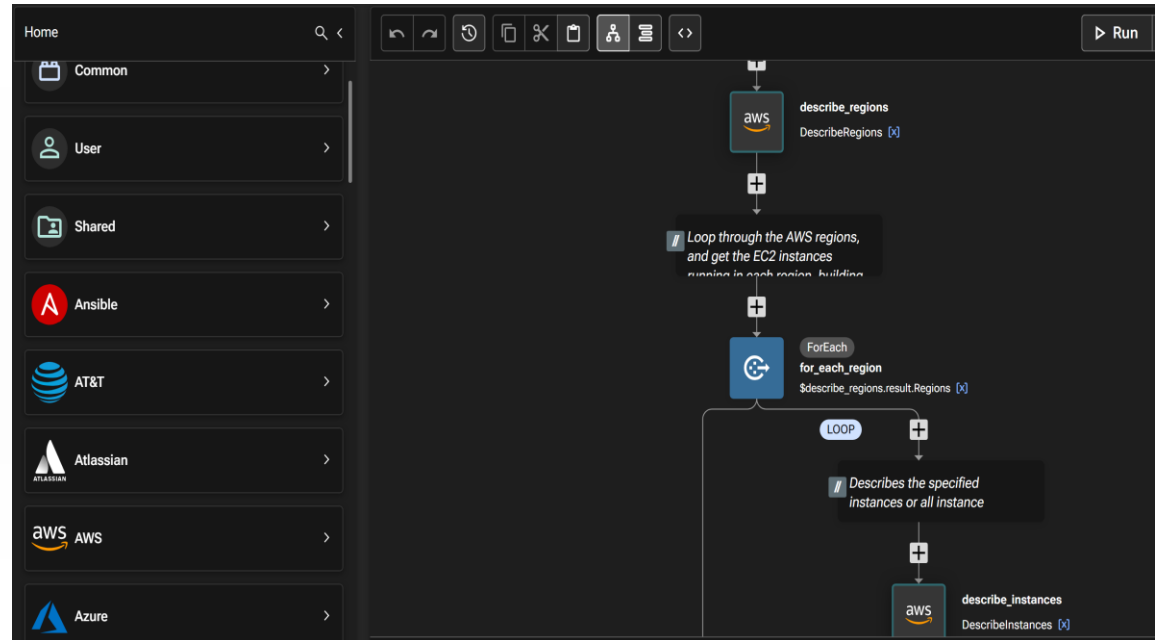
Sur cette base, vous pouvez concevoir vos plans de remédiation et d’amélioration « motorisé » par l’IA IBM Watsonx pour la priorisation et les recommandations d’actions.



Concert Workflows pour exécuter, automatiser et orchestrer les recommandations

Automatisation et orchestration des actions, et intégration avec vos bibliothèques de scripts (Ansible, Terraform, etc.)

workflows low-code, no-code



La résilience dans Concert

Align your current resilience posture to your strategic business goals

Resilience is measured and operationalized using 6 **non-functional requirements** (NFR) types:



Availability

Does the system consistently meet its uptime SLAs and ensure continuous service availability?



Recoverability

How quickly and effectively can the system restore operations after a disruption?



Observability

How effectively can the system detect, diagnose, and resolve incidents in real time?



Maintainability

Can maintenance be performed efficiently while minimizing or avoiding service disruption?



Scalability

Can the system efficiently scale to accommodate increasing workloads and demands?



Usability

Does the system provide an effective, efficient and satisfactory user experience?

IBM Concert transforms resilience into a simplified process, based on IBM's SRE best practices.



Standardized resilience framework

Establishes a repeatable, measurable approach to strengthen application resilience



Automated data correlation and scoring

Collects, analyzes and scores resilience data from multiple sources, streamlining assessments and tracking change over time



Clear, actionable insights

Transforms over 50 metrics into easy-to-read scores and trend graphs for fast decision-making



Proactive risk detection

Identifies potential issues before they escalate, enabling faster response



Seamless integration

Integrate with your existing stack, including Instana, ServiceNow and (in the future) most major observability, networking, IT Ops, service management and CI/CD tools

Les exigences non fonctionnelles et leurs métriques

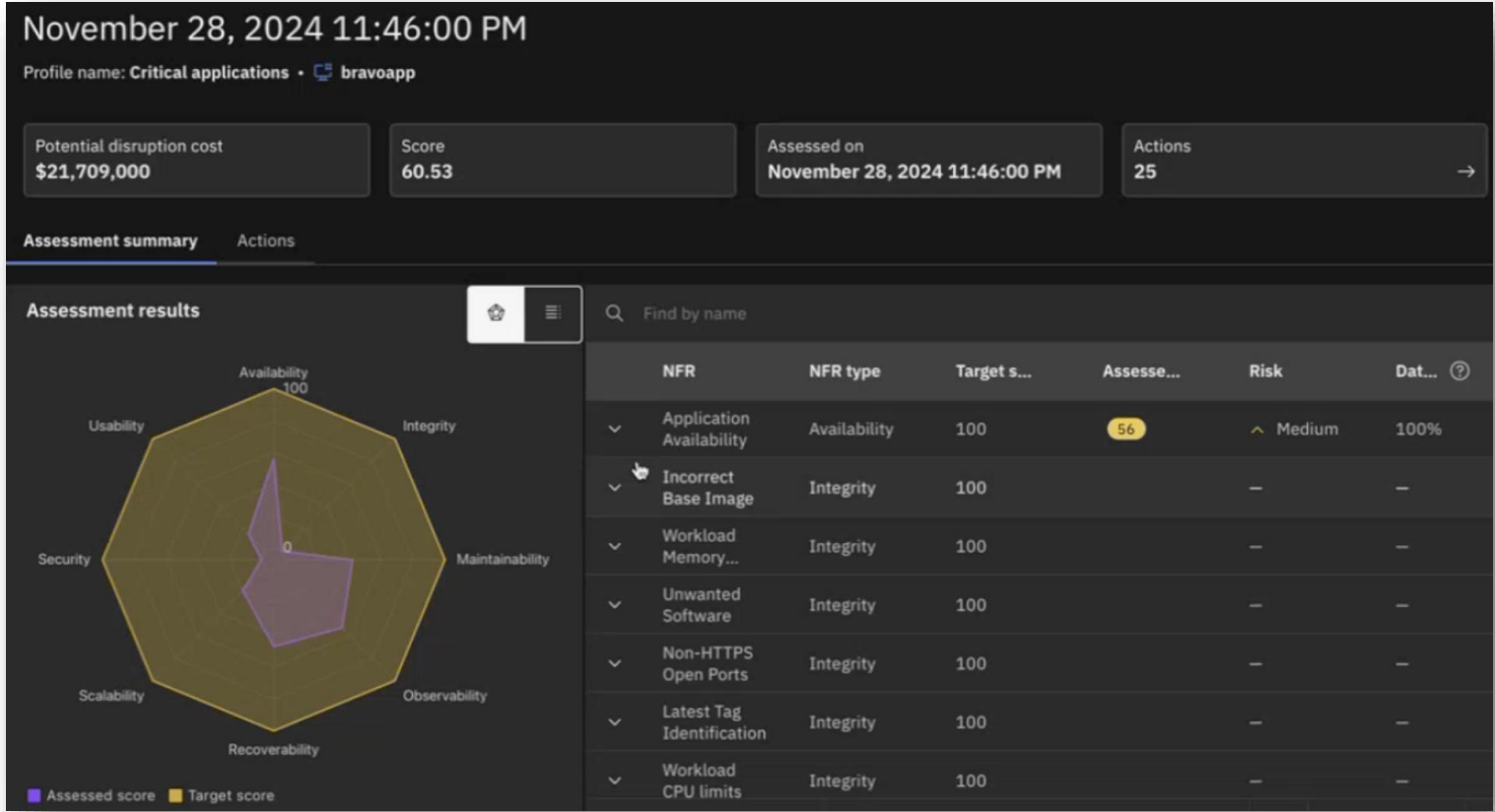
NFR types	Availability	Recoverability	Usability	Observability	Maintainability	Scalability
Groups of assessment criteria	Application availability % availability by downtime post root cause analysis % availability by error rate % availability by synthetic tests	Mean time to mitigate incidents - Minutes MTTM - Minutes MTTM sev1 - Minutes MTTM sev2	Latency SLO % SLO latency error budget - Txt SLO latency practice - Ms SLO latency	Automatic incidents detection % incidents detected by monitoring % sev1 incidents detected by monitoring % sev2 incidents detected by monitoring	Deployment downtime Minutes deployment downtime	Scalability visits Number of throughput visits
NFRs	Availability by region [One per region] % availability by region by synthetic tests % availability by region by error rate % availability by region by downtime post root cause analysis	Mean time to recover - Minutes MTTR - Minutes MTTR sev1 - Minutes MTTR sev2	Error rate SLO % SLO error rate error budget % SLO error rate - Txt SLO error rate practice	Mean time to detect incidents - Minutes MTTD - Minutes MTTD sev1 - Minutes MTTD sev2	Canary release % canary release - Minutes MTTR sev1 by change - Minutes MTTR sev2 by change % sev1 incidents by change % sev2 incidents by change	Scalability throughput Number of throughput transactions
Input metrics		Mean time to mitigate - Minutes MTTM mitigate - Minutes MTTM mitigate sev1 - Minutes MTTM mitigate sev2	Blast radius management % tenants impacted sev1 % tenants impacted sev2	Mean time to acknowledge incidents - Minutes MTTA - Minutes MTTA sev1 - Minutes MTTA sev2	Root cause analysis SLA - Days root cause analysis SLA sev1 - Days root cause analysis SLA sev2	
Ingested through integration with IT Ops tooling		Recovery point objectives Minutes RPO		Mean time to diagnostic - Minutes MTTD diagnose - Minutes MTTD diagnose sev1 - Minutes MTTD diagnose sev2	Runbook % runbook coverage sev1 % runbook coverage sev2	
		Recovery time objectives Minutes RTO			Change automation % automation coverage deployment % automation coverage change - Number of human touch per change	
		Roll-back requirements % rollback coverage - Minutes MTTR sev1 - Minutes MTTR sev2 - Minutes MTTR sev1 by change - Minutes MTTR sev2 by change			Dark launch % dark launch	

Sources:

- Observability
- Service management
- CI/CD



Score de résilience





MERC

