IBM Cloud Pak for Multicloud Management

Manage a Hybrid Cloud Transition with
IBM Cloud Pak for Multicloud Management on
Red Hat Openshift Kubernetes Services

Speaker: Ian Watts

Business Needs to Meet Market Demands

"I need applications to be more agile in order to adjust and shift in response to rapidly dynamic market demands."

"I need diverse and easy to use tools & capabilities to build anywhere, at any pace"

"I need my applications to scale dynamically, achieve peak performance and adhere to security requirements regardless of where they are deployed"

From 2018 to 2023, 500 Million new logical apps will be created, equal to the number built in last 40 years.

Successful Enterprises are Evolving

Development, Security, Operations **in silos**

➜ Merged workflows to **enable DevSecOps** velocity

Separate tools for VM's, Containers & COTS

➜ Open-standards & unified tooling in one **complete automation** solution

Inconsistent **cost and billing** from different point solutions and platforms

➜ **Open core** to BYO Tools and consistent cost & asset management model
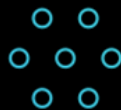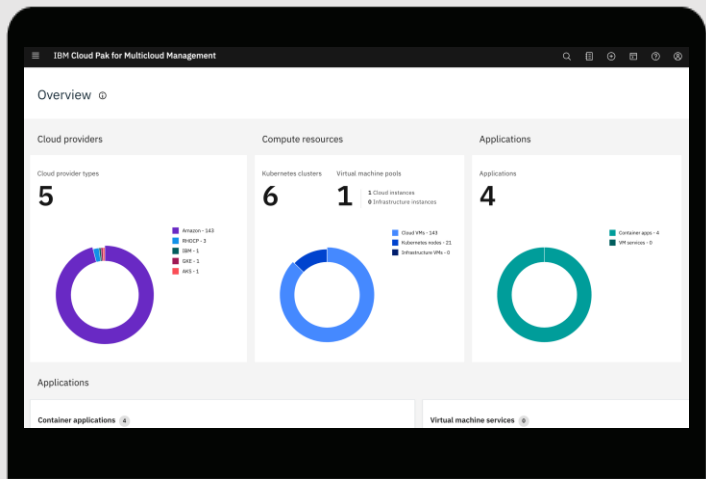
Entry points into hybrid cloud management

Visibility Across Hybrid Environment

IT Ops Transformation

Application Modernization and Management

Governance and Compliance Management

Visibility and Management Across Hybrid Environment

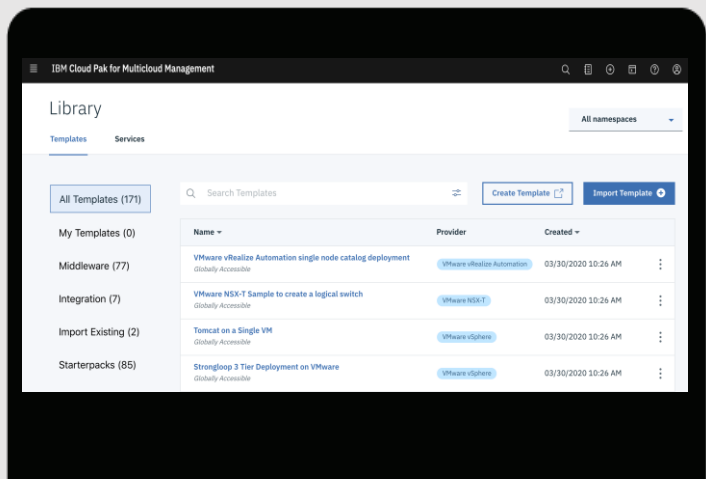**Full visibility to Hybrid Environment**

Single Control Plane

Manage both cloud native and VM environments together as your enterprise evolves

Single console driving environmental observability and control

Cost tracking & analysis to understand cloud resource charges

Search capabilities span inventory of all hybrid application components
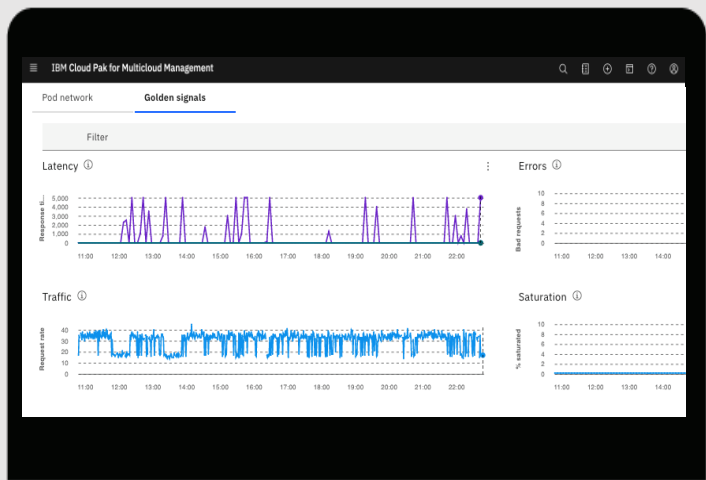
Enabling IT Ops Transformation

IT Ops Automation

Create pre-defined templates to accelerate provision time with market leading open source and BYO Tooling

Accelerate root cause analysis with auto remediation tools

Address dynamic scaling requirements automa... and on demand

Application Modernization and Management

Application Management

Deploy and move hybrid applications seamlessly across cloud deployments

Automatic incident routing, bringing together DevSecOps teams to resolve complex faults fast

Proactively prevent application bottlenecks and performance issues with real time metrics

Modernize Governance and Compliance Management

Governance & Compliance Management

Enforce policies and ensure compliance across hybrid infrastructures and applications

Build more reliable, secure applications with DevSecOps brought together in one place

Auditability of all policies, known vulnerability exposures and regulatory requirement tracking

What does an Open Core Model enable?

An Ecosystem of Partners

Cloud Pak for Multicloud Management
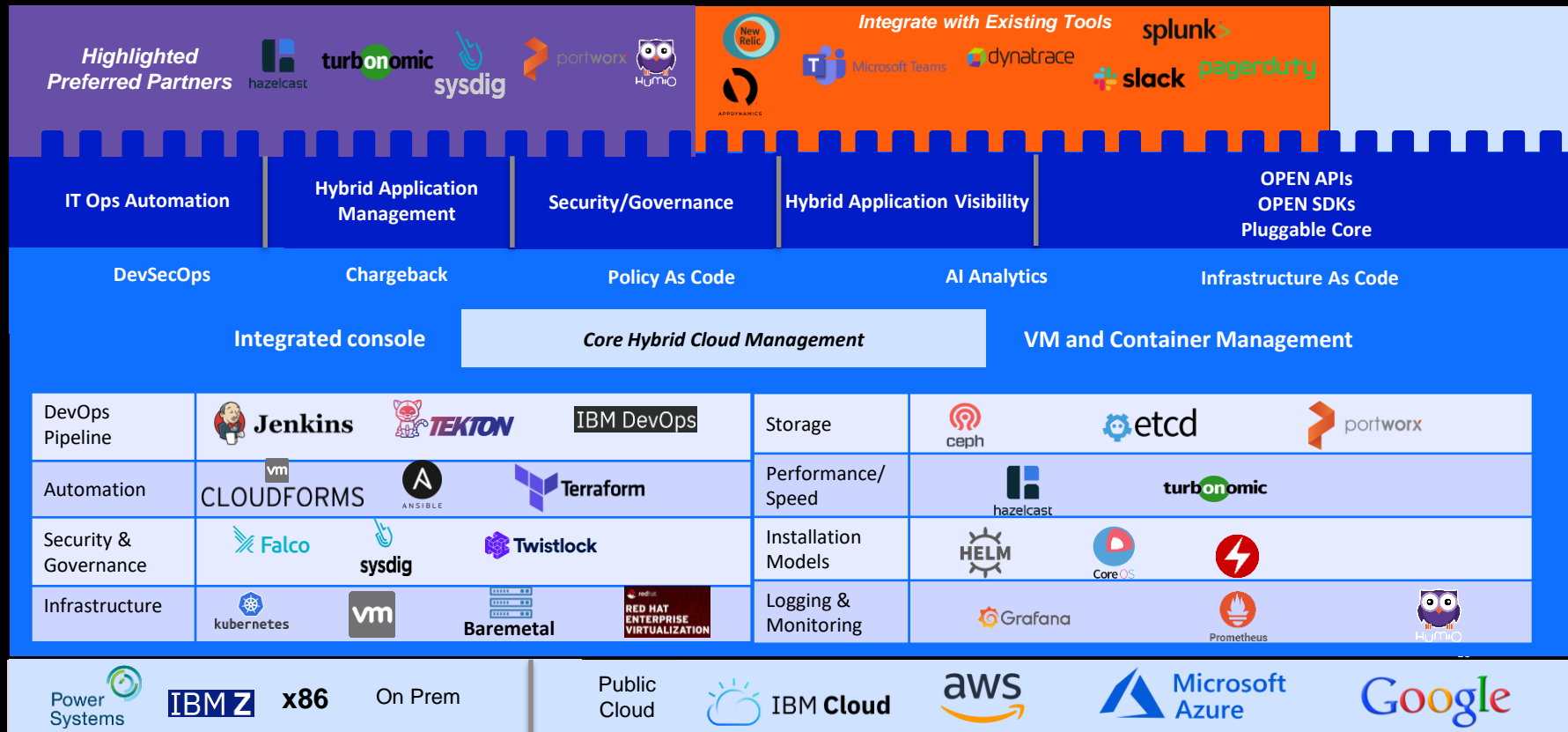# Platform Services

Highlighted Preferred Partners

hazelcast · turbonomic · sysdig · portworx · HumiO

Integrate with Existing Tools

New Relic · Microsoft Teams · dynatrace · splunk · slack · pagerduty · APPDYNAMICS

IT Ops Automation	Hybrid Application Management	Security/Governance	Hybrid Application Visibility	OPEN APIs OPEN SDKs Pluggable Core
DevSecOps	Chargeback	Policy As Code	AI Analytics	Infrastructure As Code

Integrated console   *Core Hybrid Cloud Management*   **VM and Container Management**

DevOps Pipeline	Jenkins · TEKTON · IBM DevOps	Storage	ceph · etcd · portworx
Automation	CLOUDFORMS · ANSIBLE · Terraform	Performance/ Speed	hazelcast · turbonomic
Security & Governance	Falco · sysdig · Twistlock	Installation Models	HELM · CoreOS · ⚡
Infrastructure	kubernetes · vm · Baremetal · RED HAT ENTERPRISE VIRTUALIZATION	Logging & Monitoring	Grafana · Prometheus · HumiO

Power Systems · IBM Z · x86 On Prem	Public Cloud · IBM Cloud · aws · Microsoft Azure · Google

Demonstration

Thank you