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Discovery in the Cloud: The Future of Configuration Management

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Hosted By



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Today's Speakers



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Housekeeping

- This “LIVE” session is being recorded
Recordings are available to all Vivit members
- Session Q&A:
Please type questions in the Questions Pane



Webinar Control Panel

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Questions



Agenda

- Cloud and container infrastructure trends and implications for configuration management
- Strategies for successful configuration management in the cloud
- HPE CMS real-time event-based cloud discovery capabilities
- Live Q&A with our CMS experts

Poll Question #1

What are the main challenges that you face using cloud architectures today:

Visibility

Cost

Security

Other

Do not use cloud architectures

Trends in cloud and containerization

Private cloud adoption grew from 63% to 77% in 2016, and hybrid cloud adoption grew from 58 to 71% YoY

Lack of resources / expertise was listed as the #1 cloud challenge

Top methods for saving money in the cloud included right-sizing instances, automatic shutdown of temp. workloads, and looking for storage volumes not in use

38% of enterprise respondents reported using containers in a production environment, while 94% had explored the possibility of doing so in the future

So you're living in the cloud – now what?

In this dynamic environment, think about:

- How will you ensure that all changes are accurately mapped in your CMDB?
- How will your asset and service management strategies adjust?
- How will you handle change management within the cloud and containers?
- How you will handle chargeback, multi-tenancy, and platform-as-a-service (PaaS)?

Traditional CMDBs cannot keep up in today's cloud based environment!

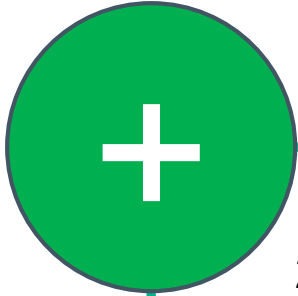


Do I need discovery for the cloud?



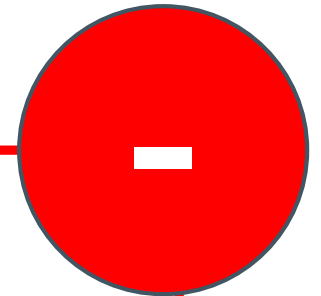
Shouldn't I treat the cloud resources and services as a Black Box?

Pros and Cons of moving to public cloud



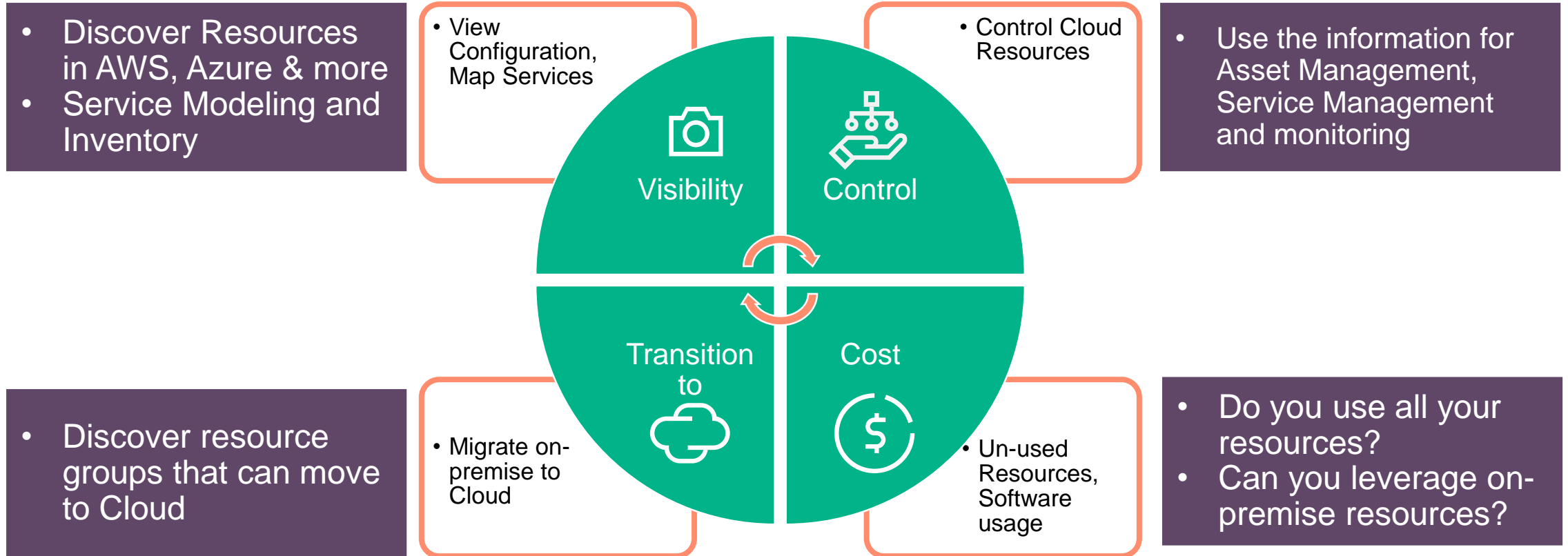
1. Greater elasticity - Scale on Demand
2. Financial benefits (shift capital expenses to operational expenses)
3. Increases reliability– Create a real HA solution when following best practices

Let's see how
Configuration Management
System and Discovery can
help!



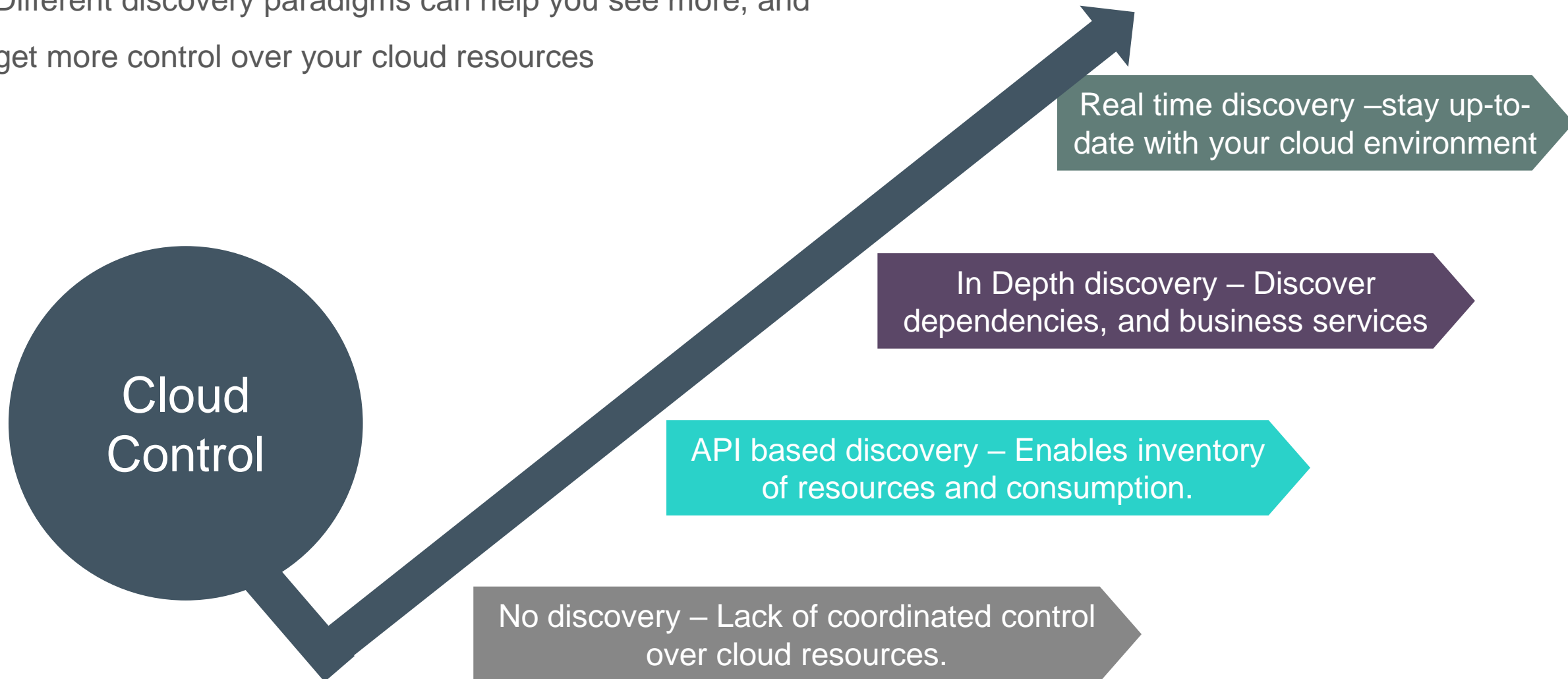
1. Less Control – Business and Data moving off premise
2. Less Visibility over resources, and how they align to the business
3. The cost to move workloads from off-premise into the cloud

Configuration Management Benefits for public cloud



Discovery Maturity for the Cloud

Different discovery paradigms can help you see more, and get more control over your cloud resources



Capabilities in the cloud discovery and cloud asset management

Public cloud Discovery



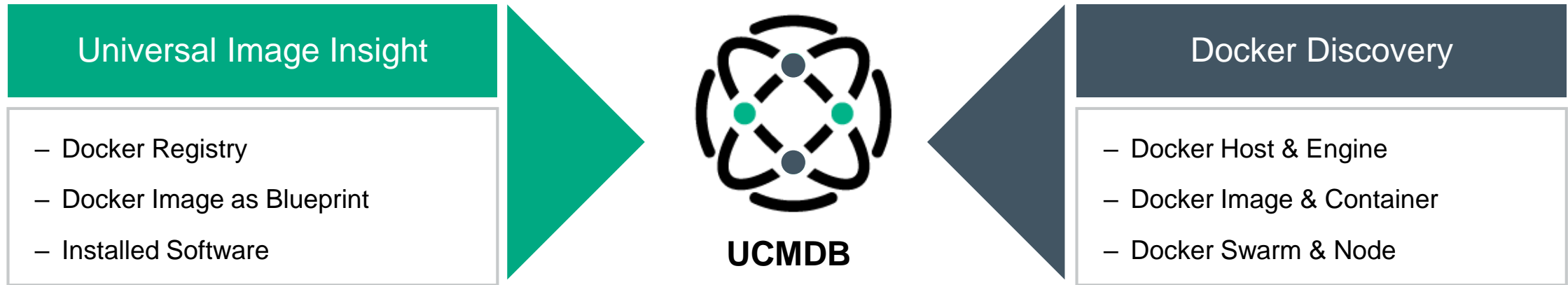
- Discover resources deployed on the cloud via AWS and Azure APIs
- Deep discovery of dependencies and resources deployed
- Service mapping
- Software management of cloud resources
- Manage cost & chargeback for cloud
- Monitor cloud resources

Private Cloud Discovery



- Real Time discovery for openstack, vCloud and docker containers
- Deep discovery of dependencies and resources deployed
- Service mapping
- Monitor cloud resources
- Integrated with your service management and asset management solutions

Docker Discovery - Linking Image Insight with Runtime Knowledge



- **Restful API** to support programmatic consumption
- **Improved** Docker Class Model linking Static with Runtime



Inventory



Topology



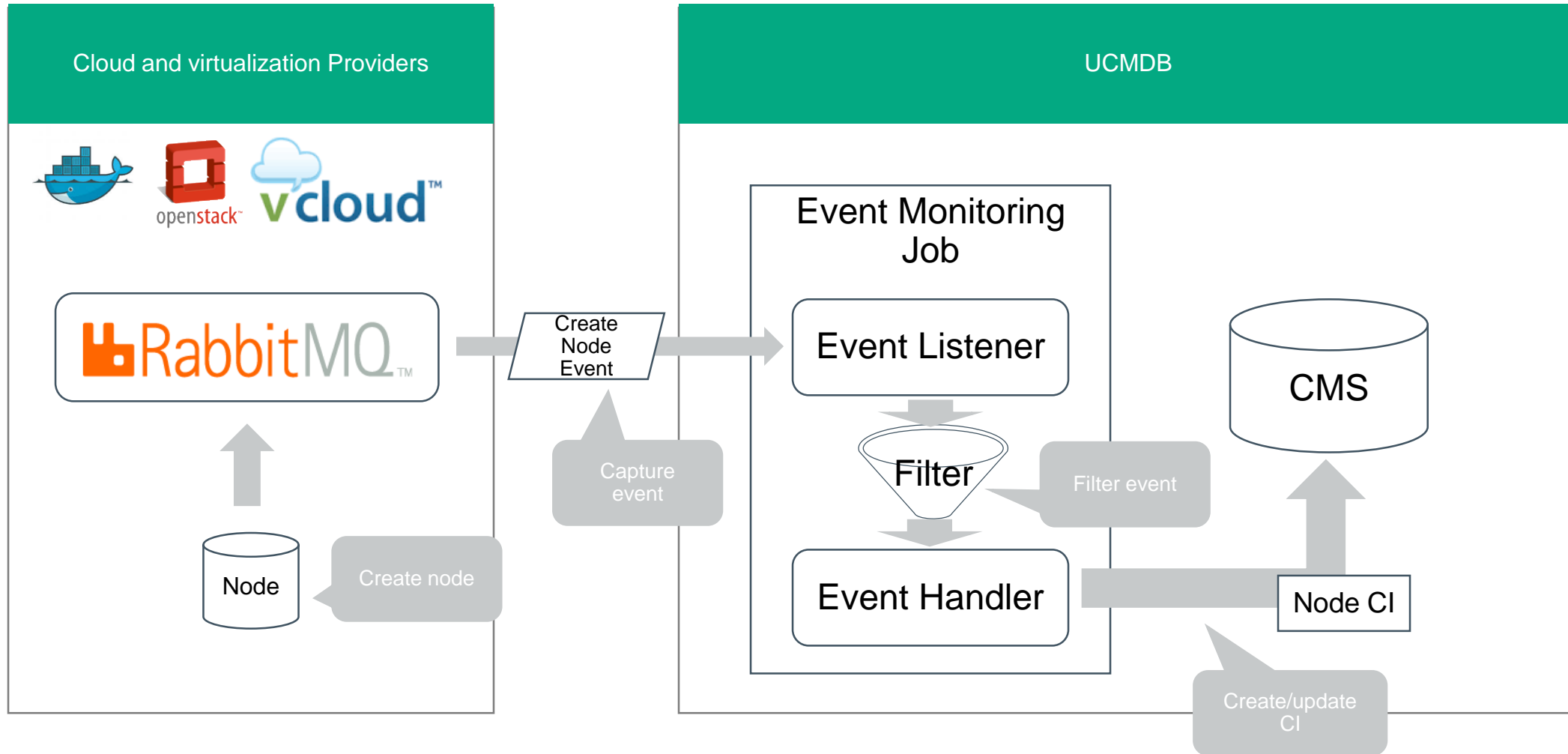
SAM
Software Asset Management



Policy

New Real-time discovery based on event based Architecture

- Capture real-time changes within minutes
- Support cloud environments
- Can be shared with integrated products
- Works well with real-time data push



HPE Configuration Management System 10.30

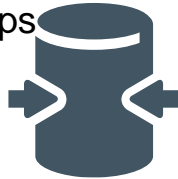


HPE Universal Discovery (UD)

- Agent-less, agent-base and hybrid
- Inventory & Dependency mapping in one tool
- Real time discovery for cloud ^{new}
- Rich content for Cloud, virtualization, storage, network and more.

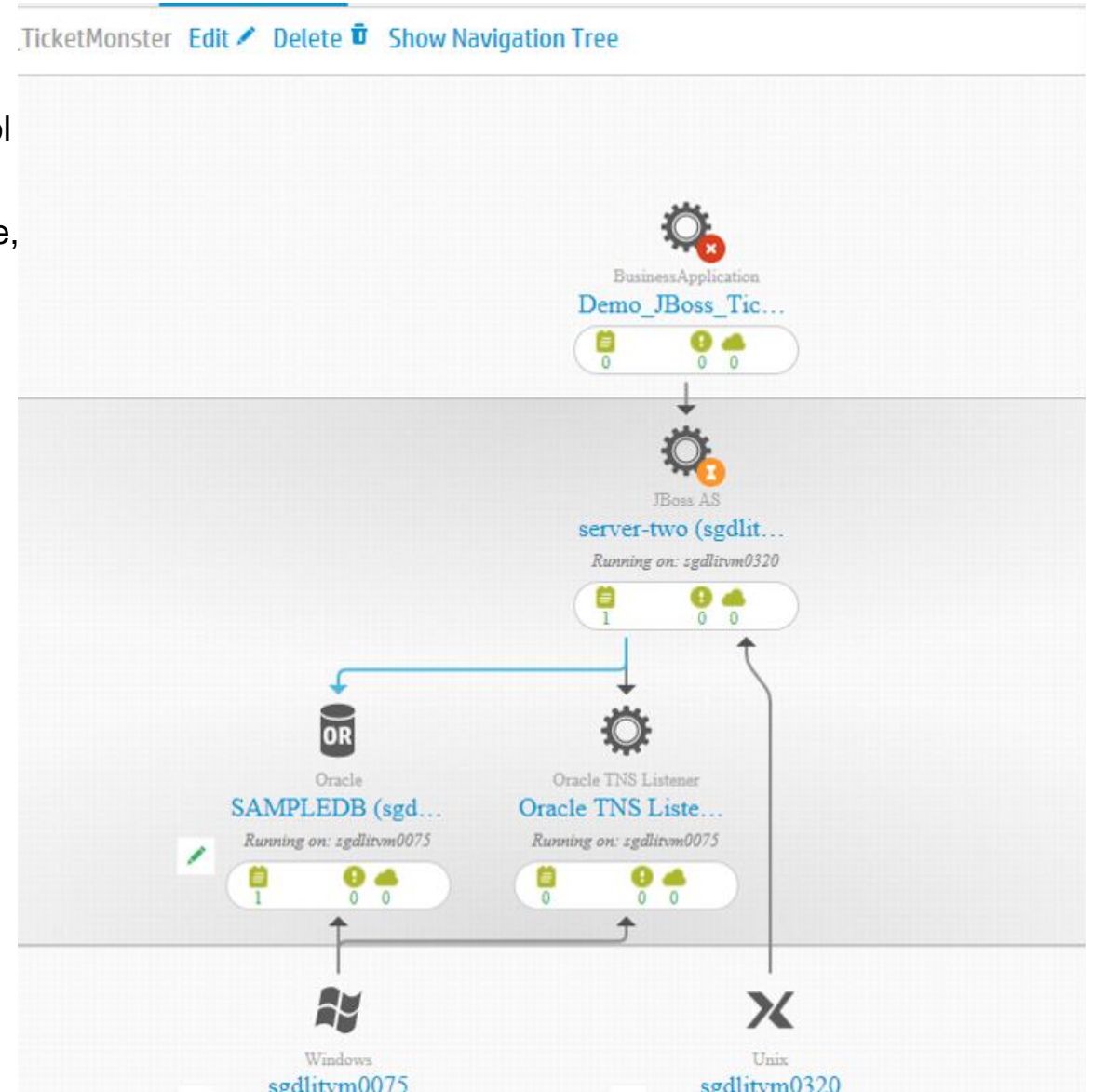
HPE Universal CMDB (UCMDB)

- Highly capable CMDB with 150M cis/relationships
- Out-of-the-box Integrations & Federations
- REST API ^{new}
- Reconciliation/Normalization/Enrichment
- Automated Service Modeling, based on top-down discovery
- Policies & Compliance



HPE UCMDB Browser

- Modern HTML 5 based UI
- Broad user access to the UCMDB
- Natural language queries
- Embedded in other products



Live Demo: Real-Time Discovery

Questions?

- Enter them into the chat box and we will answer them live!





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2



Hear from the Hewlett Packard Enterprise leadership team and other industry visionaries

Learn about our four Transformation Areas and hear directly from President and Chief Executive Officer Meg Whitman and the executive team on how Hewlett Packard Enterprise is helping you go further, faster.

3



Accelerate next with Hewlett Packard Enterprise Transformation Advisors

Bring your digital transformation to life through one-on-one consultations with our solution architects on hand to answer your questions and address your challenges to help you accelerate what's next for your business.

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Seize valuable opportunity

Time-to-value is the new name of the game, and the ability to capitalize immediately is key to survival. Through the Transformation Zone and Innovation and Spotlight Sessions, you'll learn how HPE can help you transform your organization to significantly reduce the time-to-value of your IT investments.

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Customers and partners under CDA can get early access to preview upcoming Hewlett Packard Enterprise products and solutions.

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Discover 2016 is the perfect place to find solutions, seek new innovations and learn how Hewlett Packard Enterprise can help your enterprise succeed.

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10



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