Accelerate Cloud Outcomes With Hybrid Cloud Management
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Today's Speakers

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Hewlett Packard Enterprise

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Hewlett Packard Enterprise

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

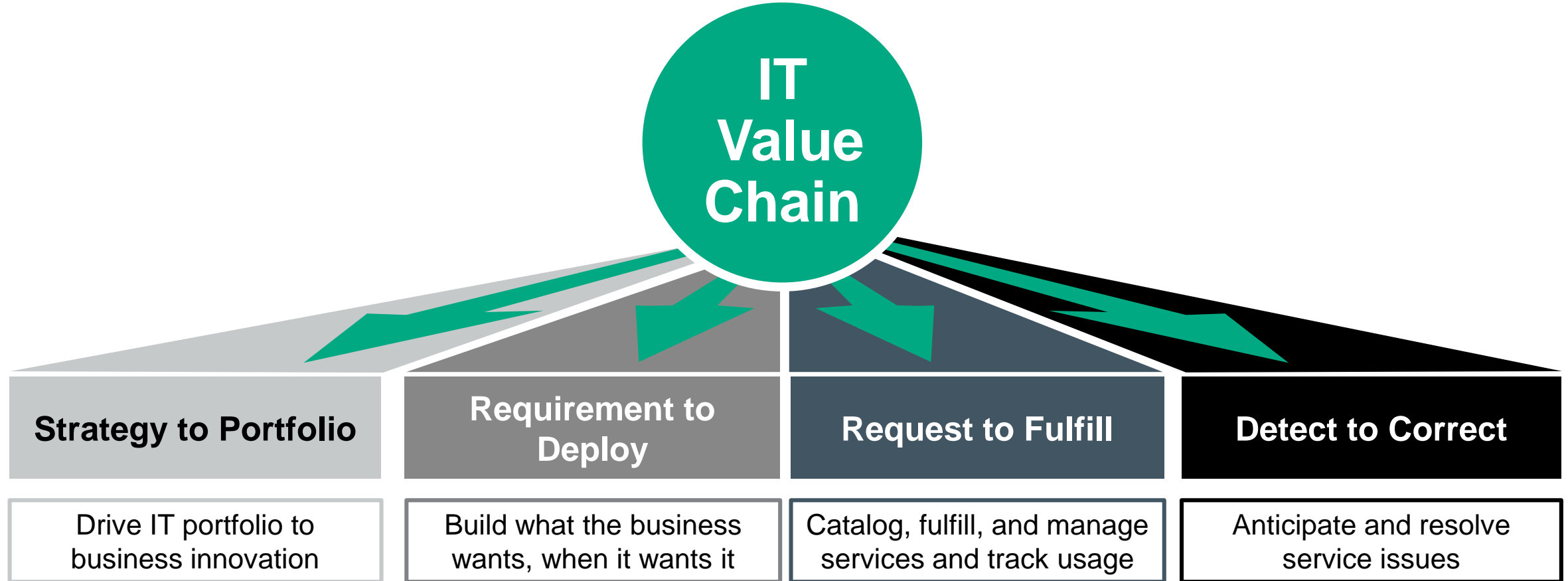Toggle View Window between Full screen/window mode.

Questions

HPE Software Services Cloud Model Office

Accelerating outcomes

Hybrid Cloud Management with IT4IT

IT Value Chain

Strategy to Portfolio	Requirement to Deploy	Request to Fulfill	Detect to Correct
Drive IT portfolio to business innovation	Build what the business wants, when it wants it	Catalog, fulfill, and manage services and track usage	Anticipate and resolve service issues

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Are these on top of your mind?

1	How do I best integrate HPE Software solutions?
2	What use cases should I start with?
3	Can you show me what a given use case will look like?

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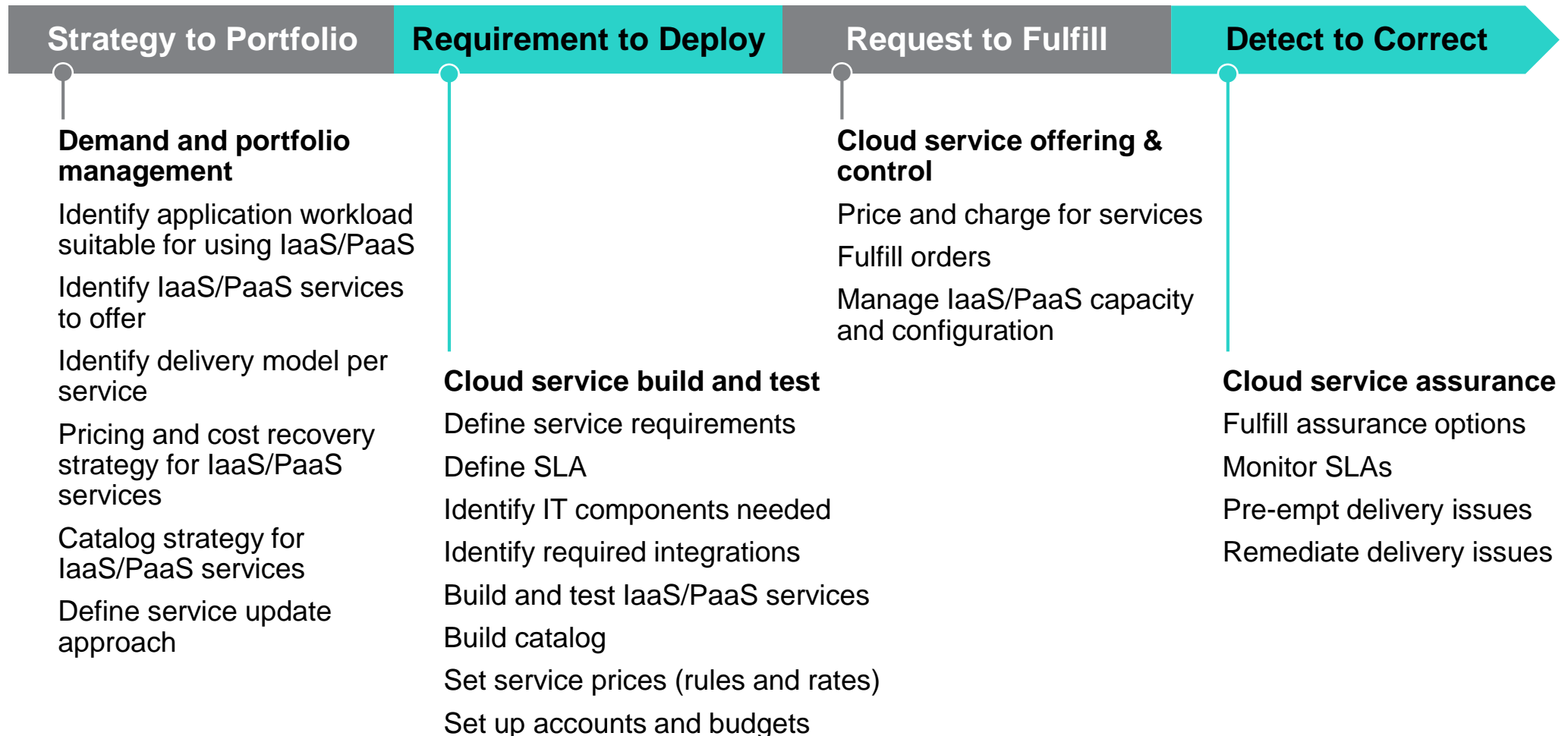Enterprise

What is a Model Office?

Model Office

Fully functional environment, with pre-built integrations across HPE Software portfolio, showcasing key, common, real-life use cases for Hybrid Cloud Management, DevOps, Mobile and Service Broker.
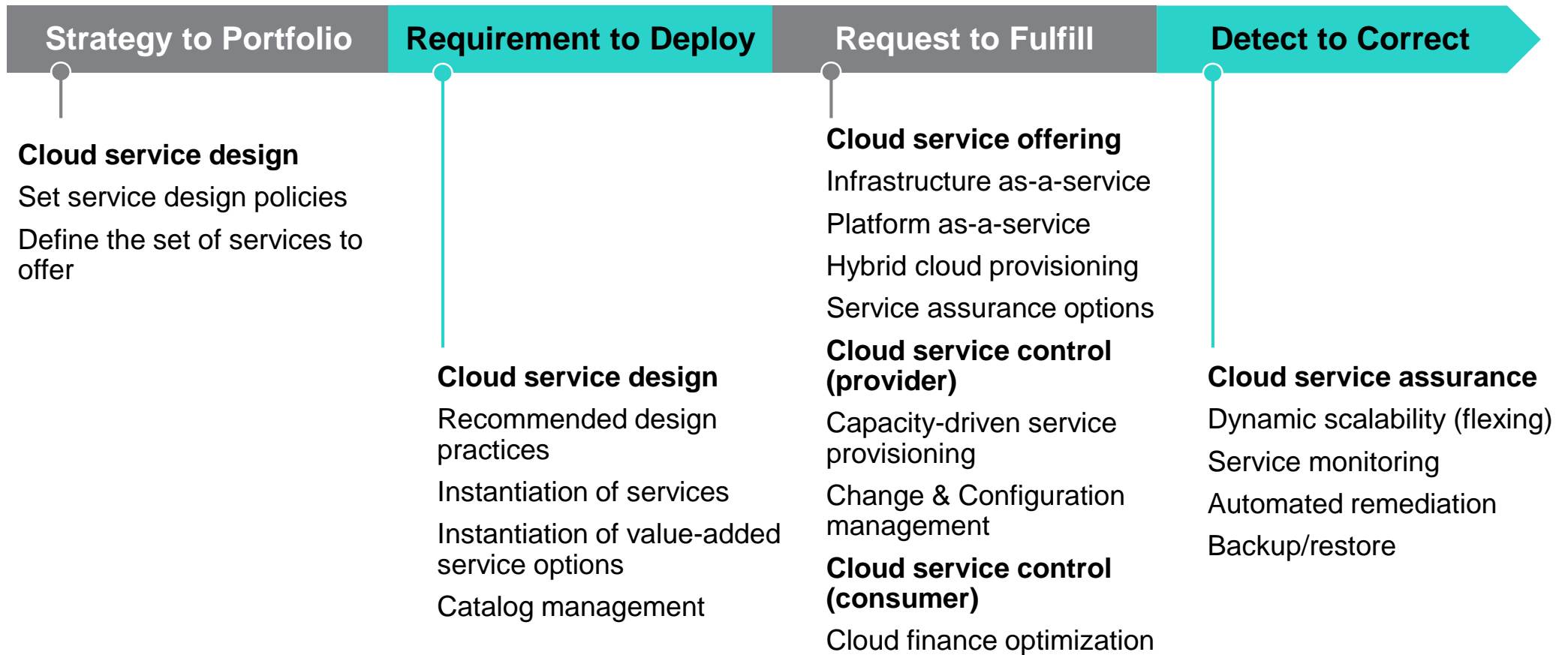
Hewlett Packard
Enterprise
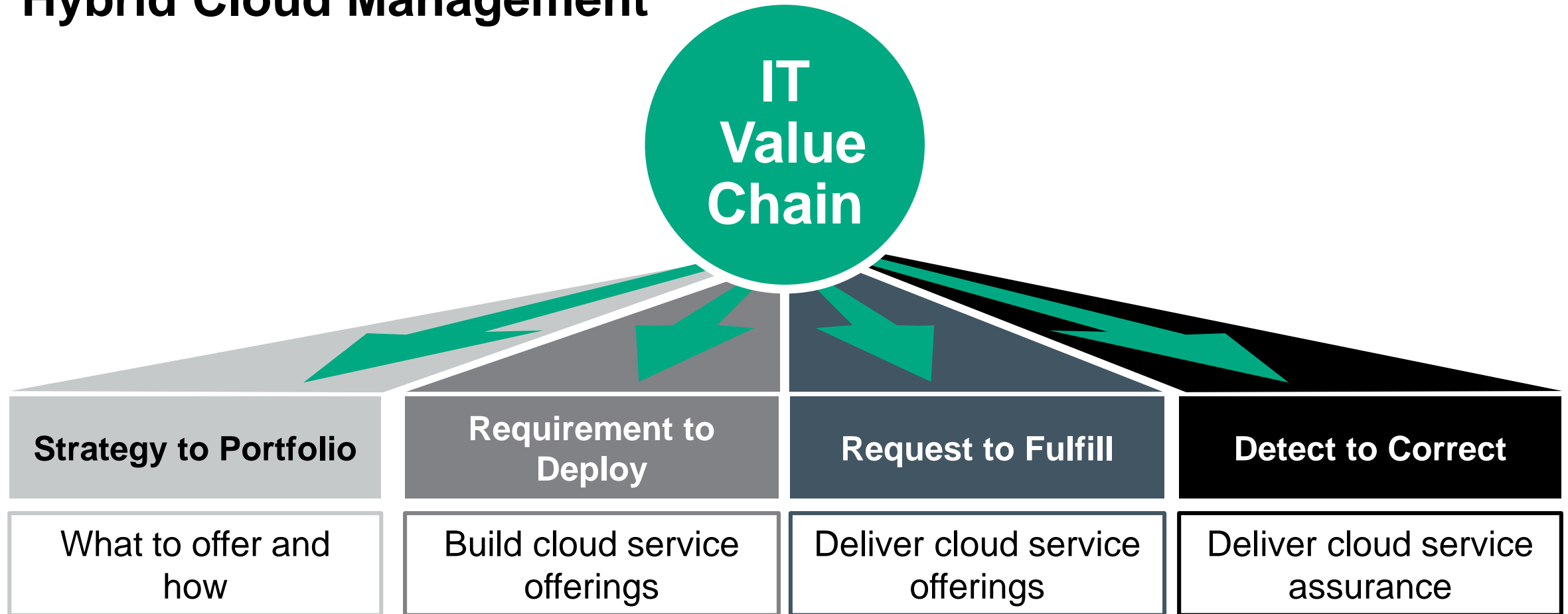
The Cloud IT4IT value chain

Strategy to Portfolio	Requirement to Deploy	Request to Fulfill	Detect to Correct

Demand and portfolio management

Identify application workload suitable for using IaaS/PaaS

Identify IaaS/PaaS services to offer

Identify delivery model per service

Pricing and cost recovery strategy for IaaS/PaaS services

Catalog strategy for IaaS/PaaS services

Define service update approach

Cloud service build and test

Define service requirements

Define SLA

Identify IT components needed

Identify required integrations

Build and test IaaS/PaaS services

Build catalog

Set service prices (rules and rates)

Set up accounts and budgets

Cloud service offering & control

Price and charge for services

Fulfill orders

Manage IaaS/PaaS capacity and configuration

Cloud service assurance

Fulfill assurance options

Monitor SLAs

Pre-empt delivery issues

Remediate delivery issues

Cloud Model Office use cases

Strategy to Portfolio	Requirement to Deploy	Request to Fulfill	Detect to Correct

Cloud service design

Set service design policies

Define the set of services to offer

Cloud service design

Recommended design practices

Instantiation of services

Instantiation of value-added service options

Catalog management

Cloud service offering

Infrastructure as-a-service

Platform as-a-service

Hybrid cloud provisioning

Service assurance options

Cloud service control (provider)

Capacity-driven service provisioning

Change & Configuration management

Cloud service control (consumer)

Cloud finance optimization

Cloud service assurance

Dynamic scalability (flexing)

Service monitoring

Automated remediation

Backup/restore

Focus of model office

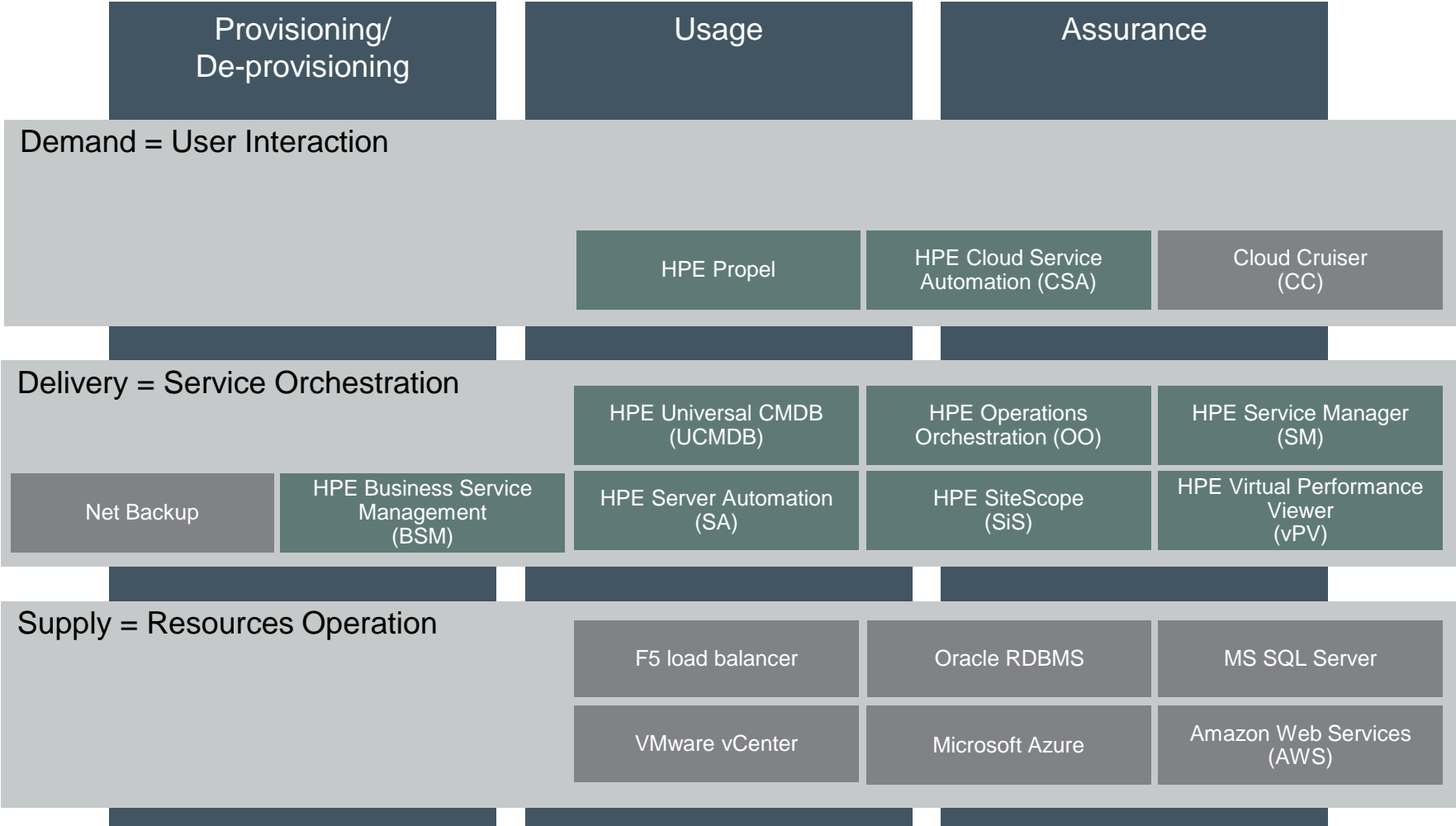A true partnership where collaborative people, empowering technology and transformative ideas accelerate change.

Accelerating innovation
Accelerating transformation
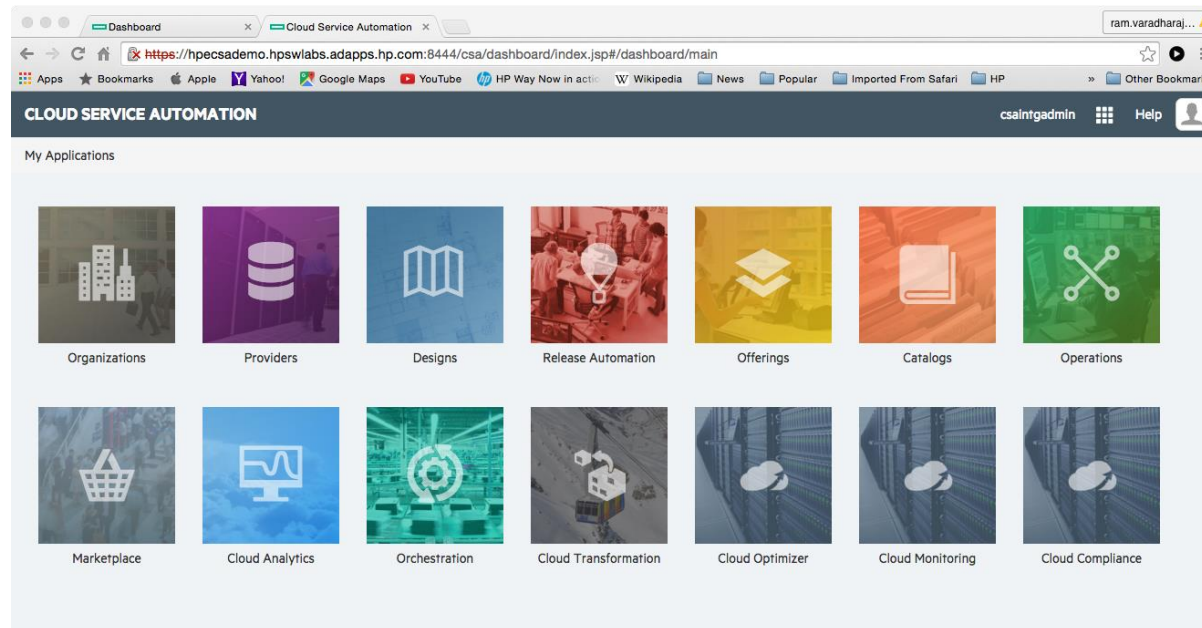**Accelerating value**

Accelerating possibilities

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Cloud Model Office Use Cases

|	Service Design	Service Offerings	Service Assurance	Service Control
Challenges	Designing flexible, robust and manageable cloud services	• Accelerate application development • Ensure services are manageable	• Ensure services deliver the performance and experience users wants • Detect and correct outages • Inefficient resource utilization	• Lack of visibility and transparency into the cost and price of the cloud services • Traditional approvals and configuration management too slow

Highlights	• Consumer experience
	• Importance of Cloud Service Lifecycle
	• Recommended practices for
	  ➢ Service definition
	  ➢ Catalogue management
	  ➢ Service technical design
	• Provisioning with lifecycle management functions
	  ➢ Monitoring
	  ➢ Patching
	  ➢ Compliance
		• Consumer experience
		• Provisioning IaaS with lifecycle management functions
		  ➢ Monitoring
		  ➢ Patching
		  ➢ Compliance
		• **Provisioning PaaS (hybrid)**
		➢ Private: Database as-a-service (Oracle) on VMware (incl. monitoring, patching, compliance)
		➢ Public: PaaS for developer (compute, MSSQL, load balancer) on Azure
			• Consumer experience
			• Capacity-based smart provisioning
			• Capacity monitoring for dynamic flexing/bursting
			• Model-driven event correlation
			• Monitoring, detection and automated remediation of events and incidents
			• Backup and restore (Backup as a service)
				• Consumer experience
				• Service modelling
				• Show-back and charge-back
				  ➢ Budget alerts
				  ➢ Expenditure drill-down reporting
				  ➢ Cost optimization
				• Change/Configuration management
				  ➢ Auto approvals
				  ➢ CMDB population

Benefits	• Manage what you provision and improve service quality and user experience • Manage Private Cloud and traditional IT with the same tools	• Rapidly provision environments • Built in lifecycle management	• Safeguard quality of user experience • Optimize capacity utilization • Reduce impact of outages • Optimize performance	• Understand, control and optimize the cost of services • Manage service configuration • Streamline approvals

Technology stack

	Provisioning/ De-provisioning	Usage	Assurance

Demand = User Interaction

	HPE Propel	HPE Cloud Service Automation (CSA)	Cloud Cruiser (CC)

Delivery = Service Orchestration

		HPE Universal CMDB (UCMDB)	HPE Operations Orchestration (OO)	HPE Service Manager (SM)
Net Backup	HPE Business Service Management (BSM)	HPE Server Automation (SA)	HPE SiteScope (SiS)	HPE Virtual Performance Viewer (vPV)

Supply = Resources Operation

	F5 load balancer	Oracle RDBMS	MS SQL Server
	VMware vCenter	Microsoft Azure	Amazon Web Services (AWS)

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3rd party	HPE

Cloud Model Office Demo

Q & A

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Get started

1	Watch the Model Offices in action: http://hpe.com/software/ModelOffice

2	Contact your local HPE Software Services representative today
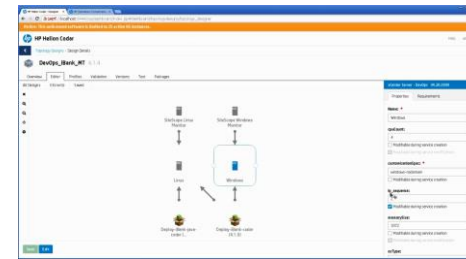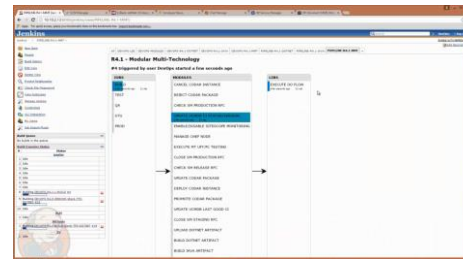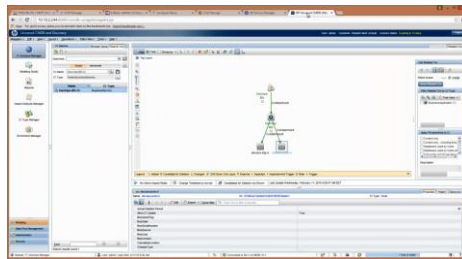
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BACK-UP

Use case 1: Cloud service design

Challenges

– Designing flexible, robust and manageable cloud services

Solution highlights

– Consumer experience

– Importance of Cloud Service Lifecycle

– Recommended practices for

  – Service definition

  – Catalog management

  – Service technical design

– Provisioning with lifecycle management functions

  – Monitoring

  – Patching

  – Compliance

Benefits

– Manage what you provision and improve service quality and user experience

– Manage Private Cloud and traditional IT with the same tools

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Use case 2: Cloud service offerings

Challenges

– Accelerate application development

– Ensure services are manageable

Solution highlights

– Consumer experience

– Provisioning IaaS with lifecycle
  management functions

  – Monitoring

  – Patching

  – Compliance

– Provisioning PaaS (hybrid)

  – Private: Database as-a-service
    (Oracle) on VMware (incl. monitoring,
    patching, compliance)

  – Public: PaaS for developer (compute,
    MSSQL, load balancer) on Azure

Benefits

– Rapidly provision environments

– Built in lifecycle management

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Use case 3: Cloud service assurance

Challenges

– Ensure services deliver the performance and experience users wants

– Detect and correct outages

– Inefficient resource utilization

Solution highlights

– Consumer experience

– Capacity-based smart provisioning

– Capacity monitoring for dynamic flexing/bursting

– Model-driven event correlation

– Monitoring, detection and automated remediation of events and incidents

– Backup and restore (Backup as a service)

Benefits

– Safeguard quality of user experience

– Optimize capacity utilization

– Reduce impact of outages

– Optimize performance

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Use case 4: Cloud service control

Challenges

– Lack of visibility and transparency into the cost and price of the cloud services

– Traditional approvals and configuration management too slow

Solution highlights

– Consumer experience

– Service modelling

– Showback and chargeback

  – Budget alerts

  – Expenditure drill-down reporting

  – Cost optimization

– Change/Configuration management

  – Auto approvals

  – CMDB population

Benefits

– Understand, control and optimize the cost of services

– Manage service configuration

– Streamline approvals

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