



5 New Ways to Focus Operations Through a Business Lens with Operations Bridge Suite

June 30, 2016

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Hosted By



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Today's Speakers



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Sr. Product Marketing Manager
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

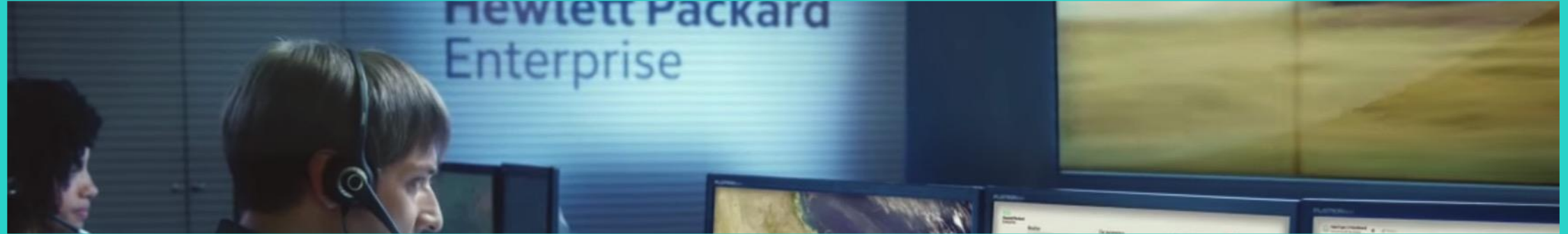




**Hewlett Packard
Enterprise**


5 New ways to manage operations through a business lens with HPE Operations Bridge Suite

30th June 2016



Operations Bridge video

IT Operations through a business lens



In the age of the internet of things, IT operations is quickly overwhelmed by a stream of information and events that scream for attention.

It's the onslaught of **Big Data**, creating a glare that hides critical insight. This keeps IT reactive, scrambling, distracted from a business focus.

You need a **lens** to focus attention on the highest-priority issues and drive business performance.



And IT must also transform from a cost function...

Today's IT

**Too many tools cause
fragmented visibility**

**Glare of Big Data makes
triage slow**

**Manual processes create errors
Many war rooms burn budget**

Lack of business context

Creates negative impact



Lost
revenue



Customer
churn



Less funding



High cost Ops

...to a *value creator*

Hybrid IT

Next-generation
performance management

Analytics-driven
operational intelligence

Self-healing autonomous
operations

Performance-driven
business decisions

Targeted business value



Business on
target



Best user
experience



Strategic
funding



Enhanced IT
efficiency

Operations through a business lens



Viewing your infrastructure through a business lens allows your operators to prevent service impact and add substantial business value.

How does a business lens work?

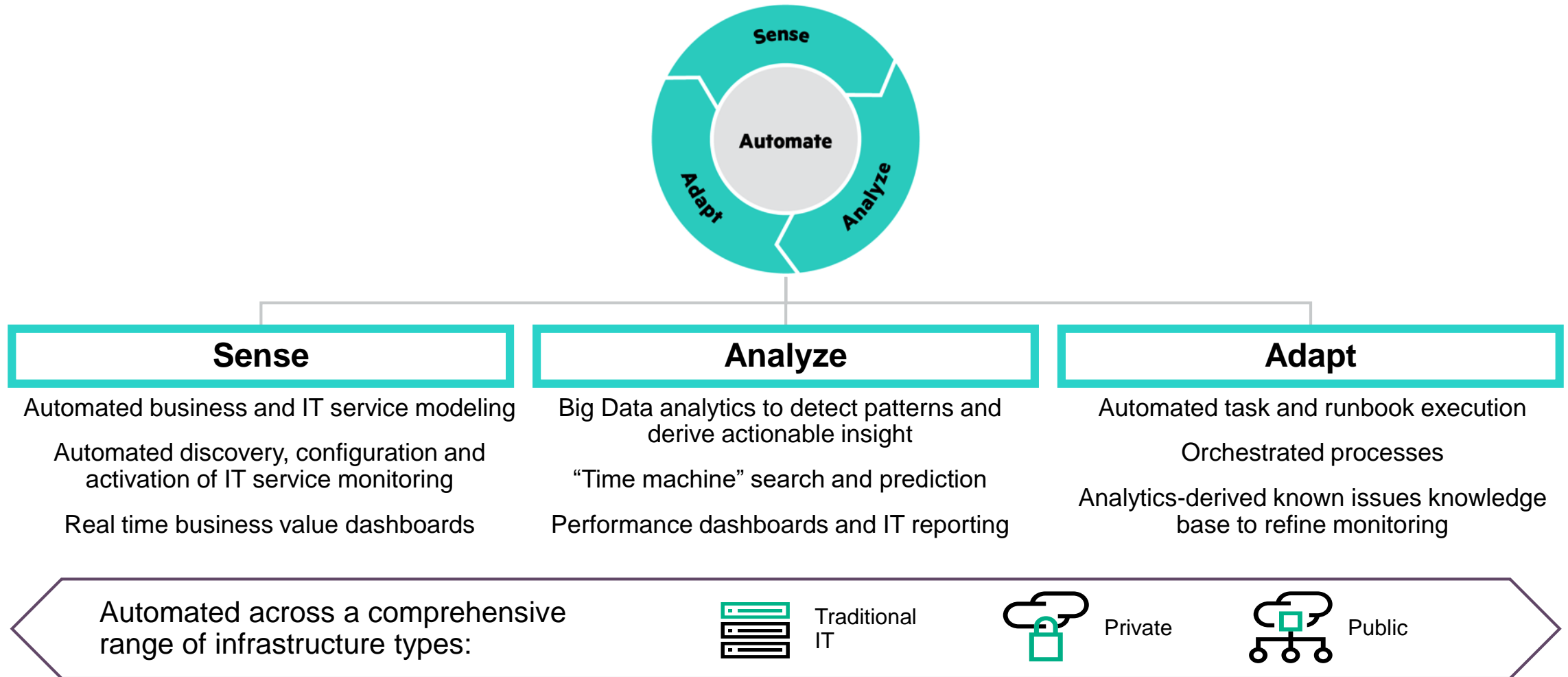


IT operations can now **Automate** the following:

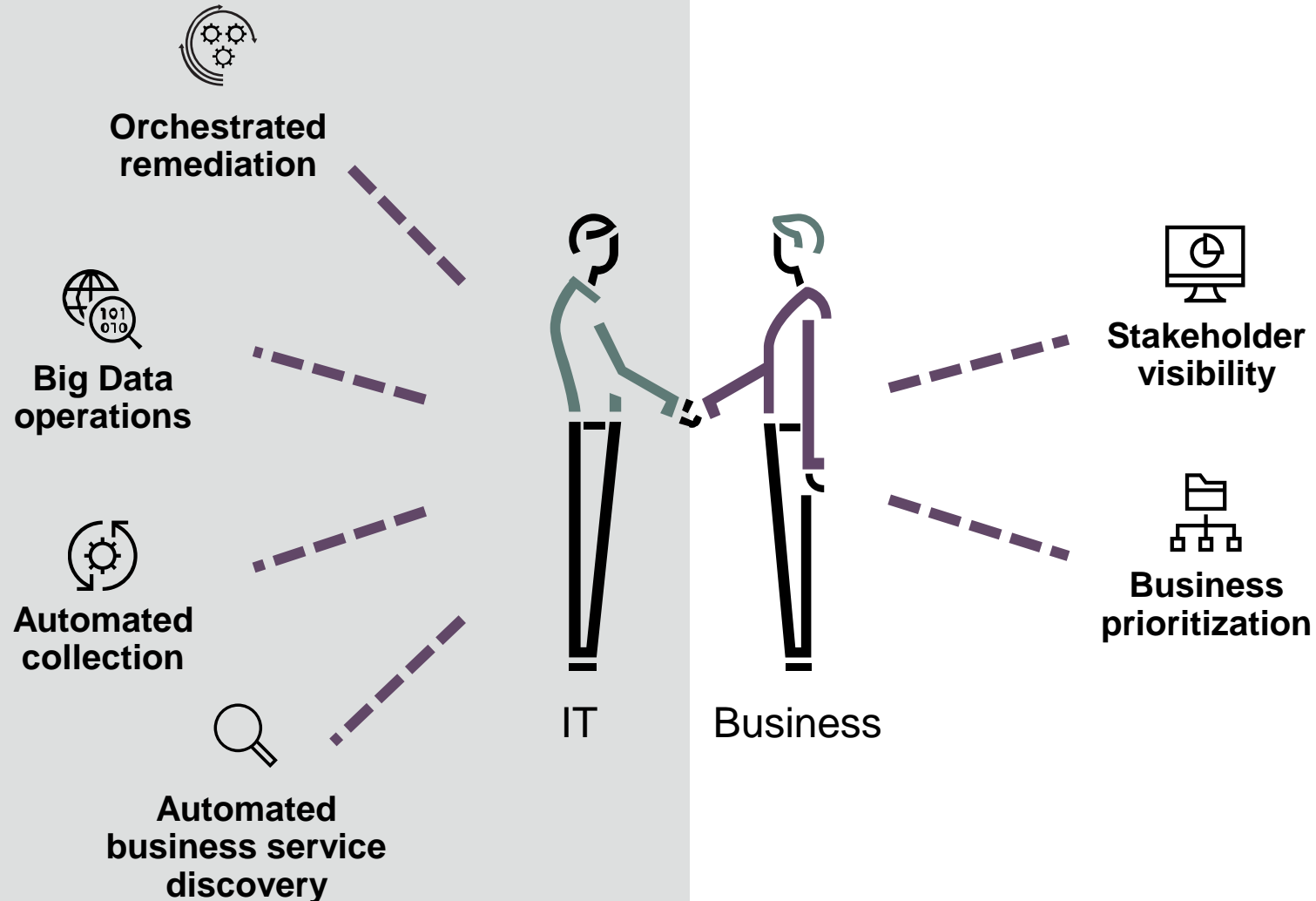
- **Sense** continuous discovery, multi-domain monitoring and identification of business impact
- **Analyze** all data sources to find root cause, predict before impact, and link business and IT health
- **Adapt** to ever-changing environments using orchestration and remediation

HPE Operations Bridge Suite: The business lens

Powerful automated IT management and analytics capabilities drive business success



Making IT a strategic business partner





Operations Bridge Suite overview

Sense—Hybrid IT automated service discovery and monitoring



Business-prioritized monitoring

- Understand business services
- Automated discovery, configuration and activation of monitoring for all IT services and resources



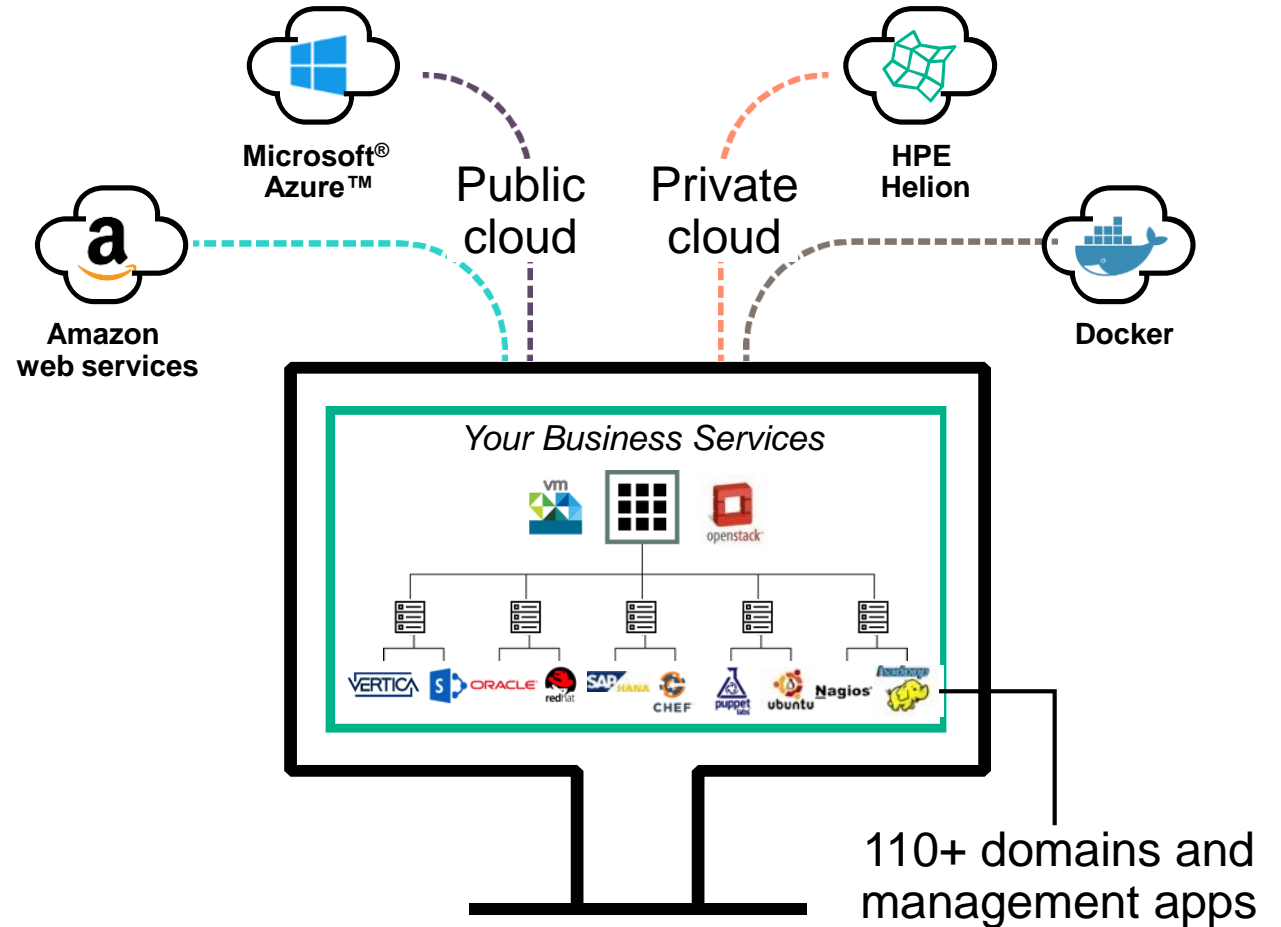
Hybrid cloud monitoring

- Public and private cloud service monitoring
- Automated business and IT service modeling



Service provider surveillance

- Compare performance across clouds
- Compare SLAs across clouds



Sense—Operations through a business lens

Executive visibility with Business Value Dashboard



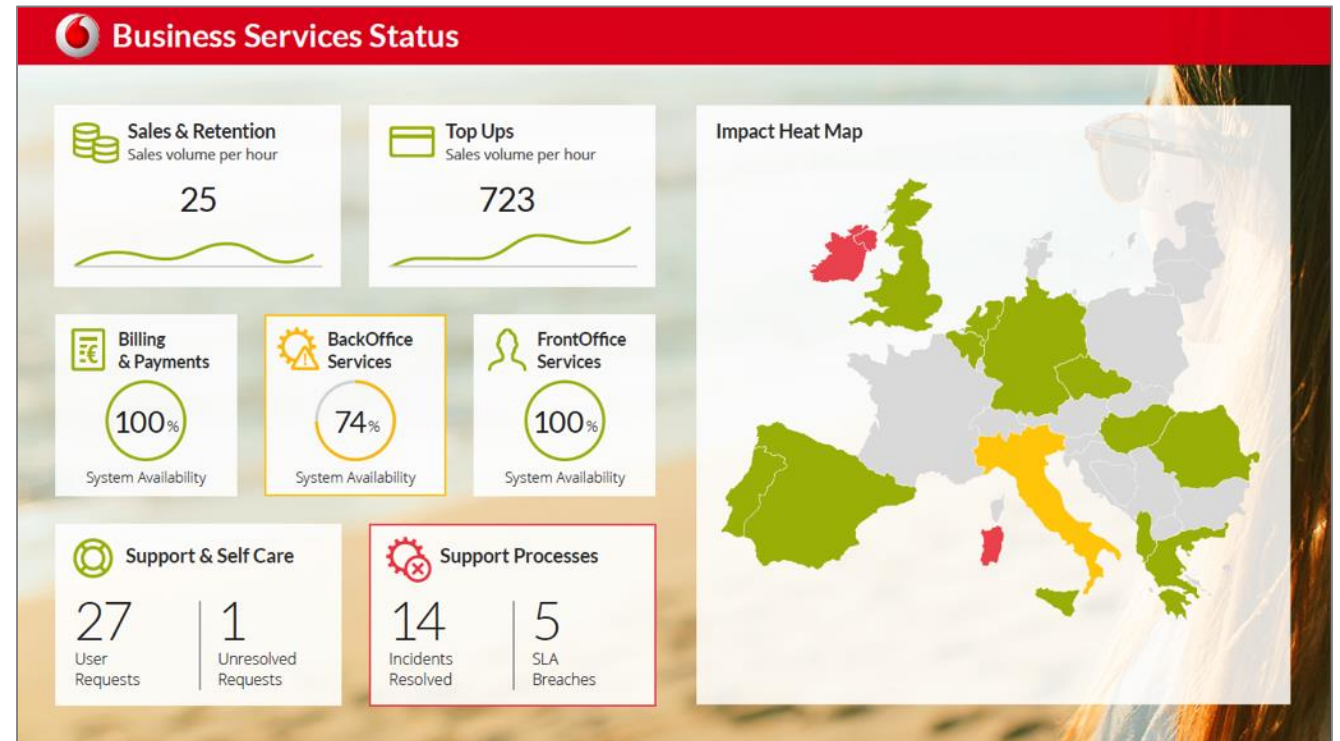
Simple designs in meaningful formats



Actionable intelligence for better, faster decisions



Flexible status, metrics, RSS, and video streams



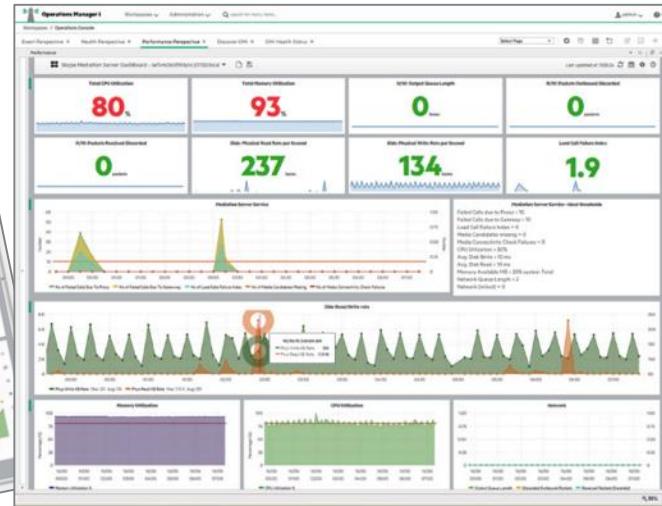
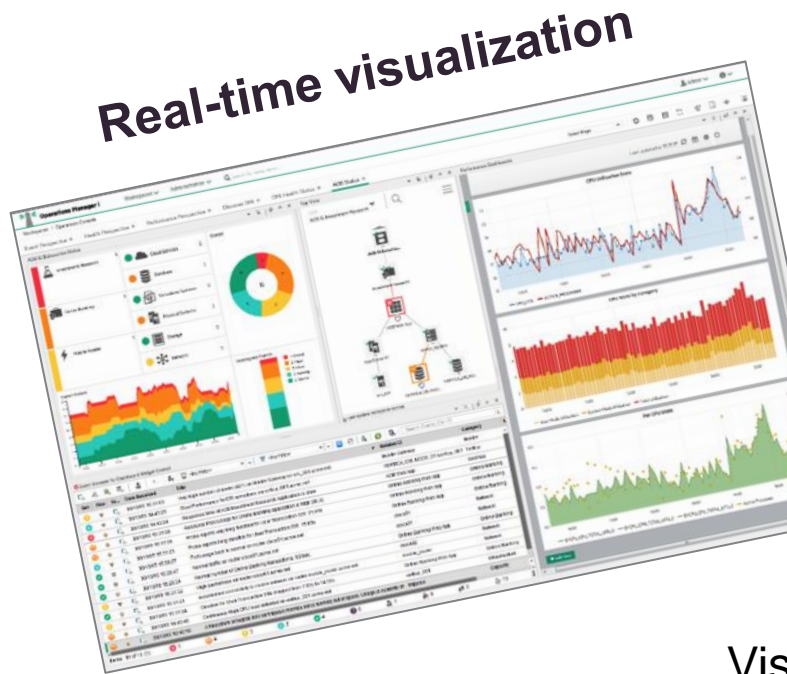
[Click to demo](#)

Analyze—Real-time operations with Big Data analytics

Focus from a million data points to the *one* you need

Performance at a glance

Big Data driven analytics



Visualize performance to predict issues

Automated analytics to find known or new issues

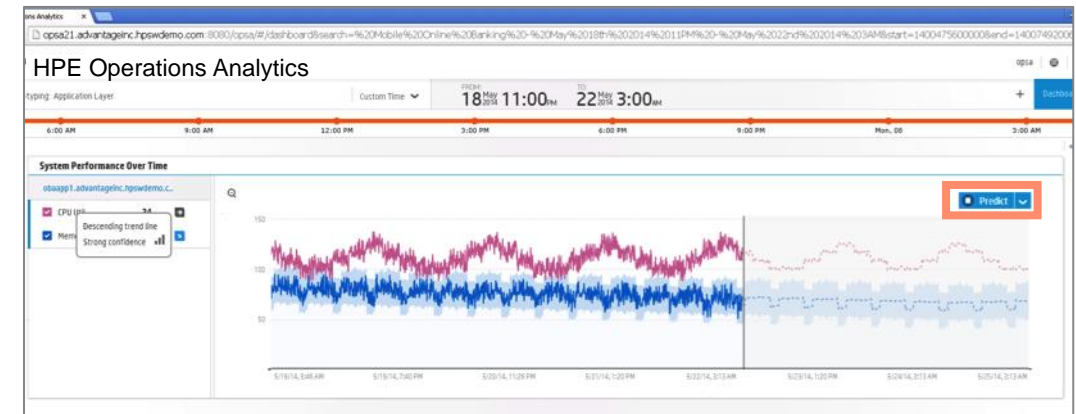
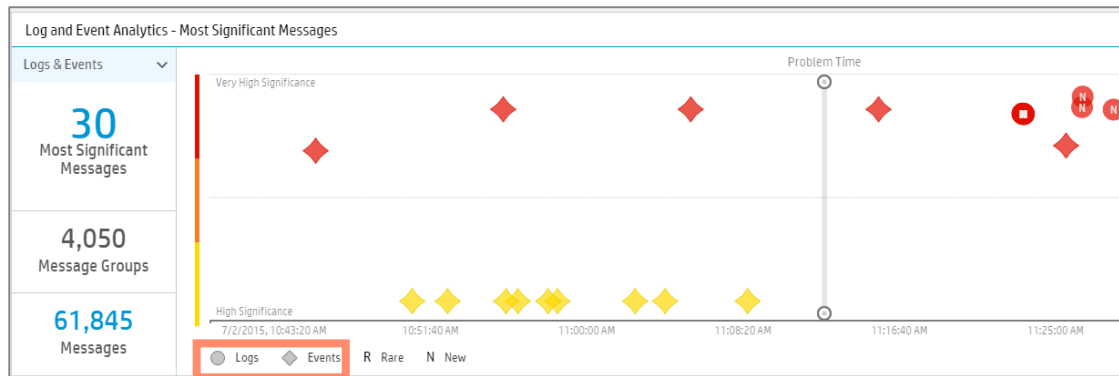
Action before **business impact**

Analyze—All your data

Find root cause faster than ever before possible

Automated log and event analytics

- Quickly identify root cause from logs and events in a single pane
- Automatically detect trends in unrelated data streams



Predictive analytics

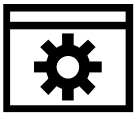
- Self-learning predictive analytics using logs
- Forecast service performance
- Automated high and low baselines

Analyze—Big Data based enterprise reporting



Big Data based reporting

- 80% improvement in performance
- Align on HP Vertica and Business Objects 4.1



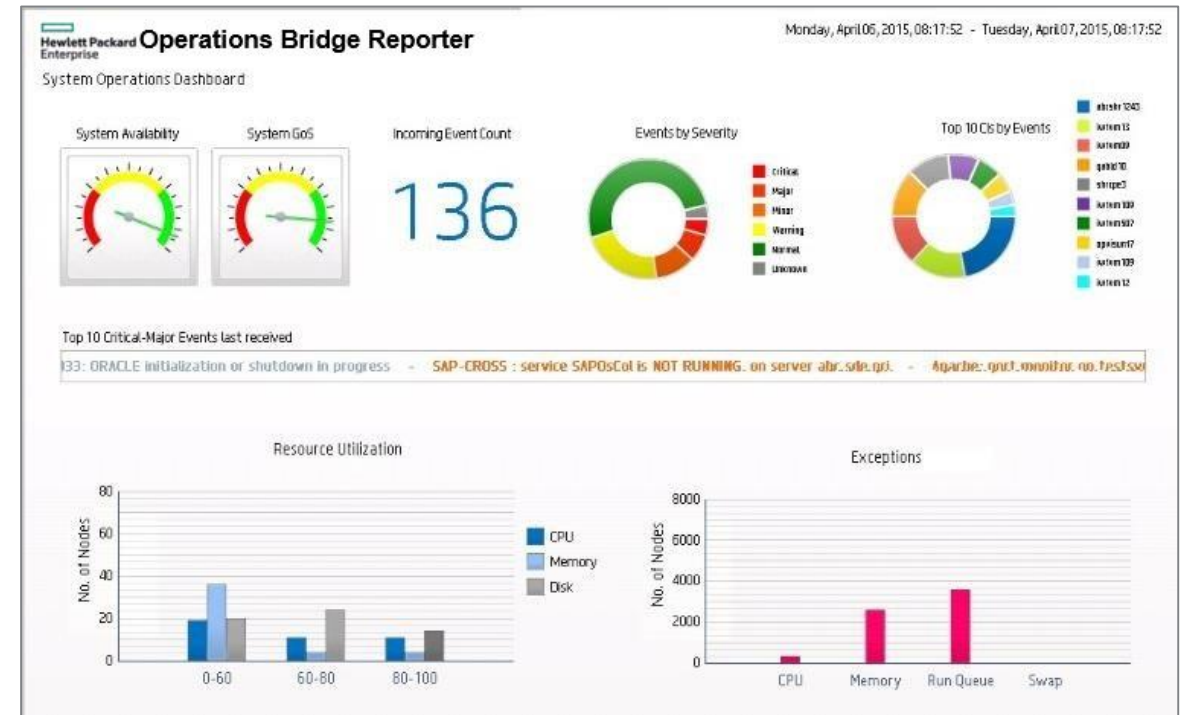
Content Development Studio

- 10x faster development
- Simplified content pack creation



Content extension

- Server automation and network content
- 3rd party integration content (SCOM)



Analyze—Real-time performance dashboard

101
010

Persistent data

- Optional persistence of data
- Shared OBR Vertica instance
- Performance analytics



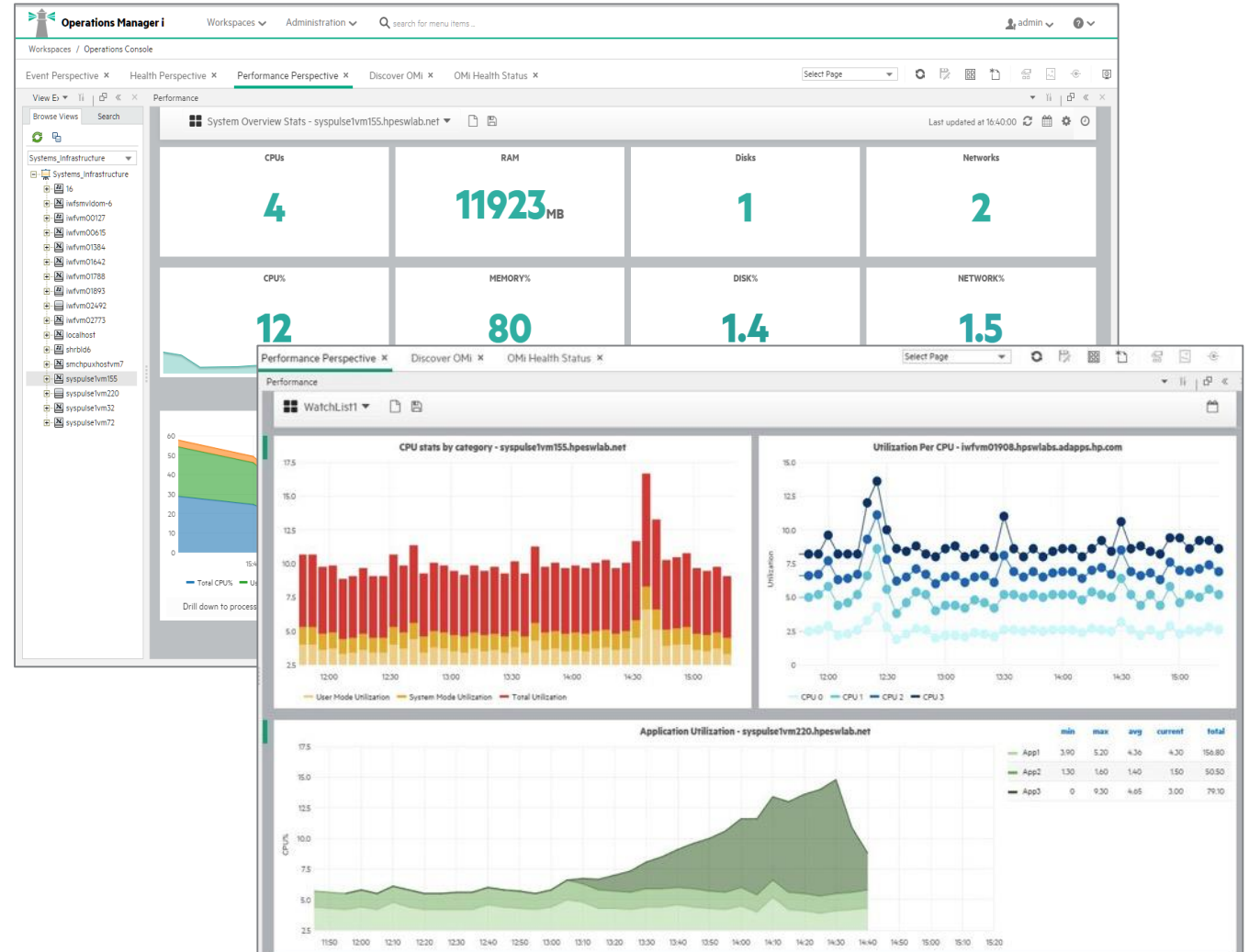
Faster troubleshooting

- Compare multiple CIs
- Create favorite dashboards
- Process drill down and filtering



Extend real time content

- More metrics from agent (custom)
- Third party metric content
- Real-time metric configuration in OMi



Adapt—Automate tasks and orchestrate processes



Guided problem resolution

Create tools to help users perform common tasks, e.g., run a command tool to check the status of a infrastructure element



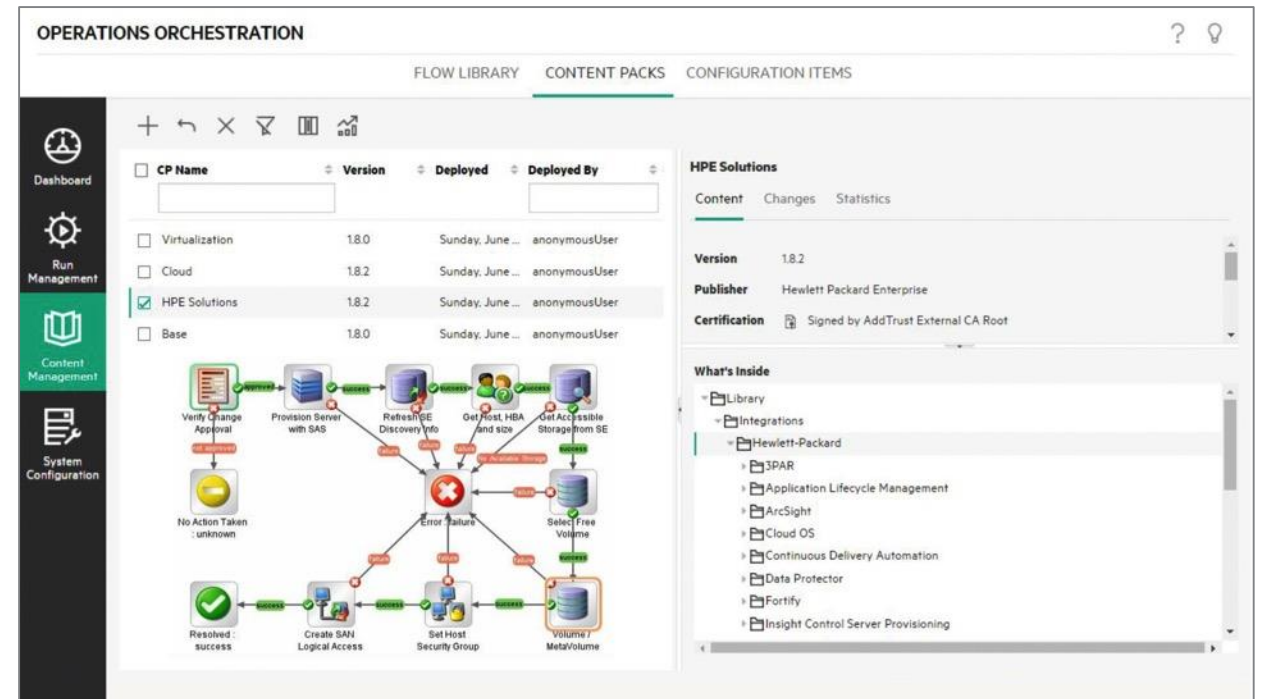
Automated task and runbook execution

Automate best practices of typical operator actions into simple scripts and commands



Orchestrate processes

Compound automated tasks into a workflow to execute formal processes consistently and ensure compliance



Adapt—Improve operational efficiency and learning



Custom actions and annotations

Administrators define custom actions for the operator to use when resolving events



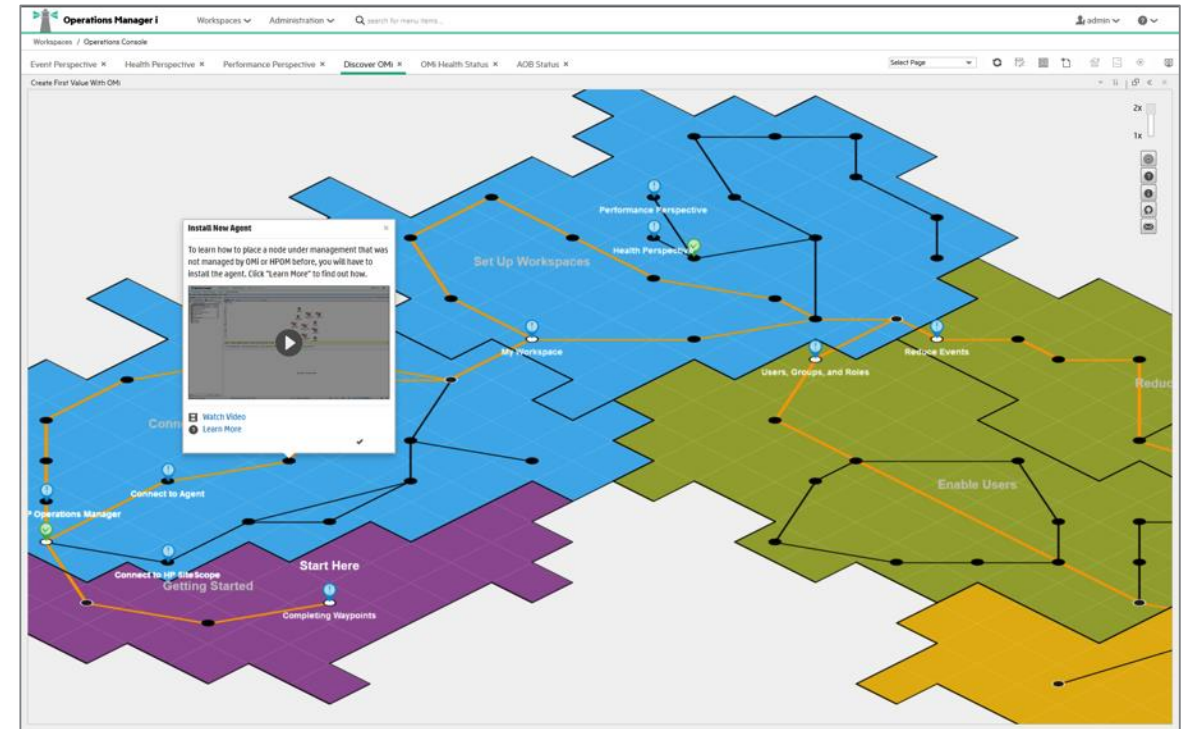
Refine operator processes and monitoring

Analytics-derived known issues knowledge base to refine monitoring and operator best practices



Link operator action to every product feature

Exploit exploration map to provide operators with deeper knowledge of which features can help them be more successful



Exploration map



5 new ways to focus operations through a business lens

Harald Burose
Product Director

5 new ways to focus operations through a business lens



1. Automated business service discovery (tops down)



3. ChatOps for DevOps

2. Hybrid IT Management



4. Performance Analytics

a. Automated cloud service discovery and monitoring



5. Business Value Dashboard



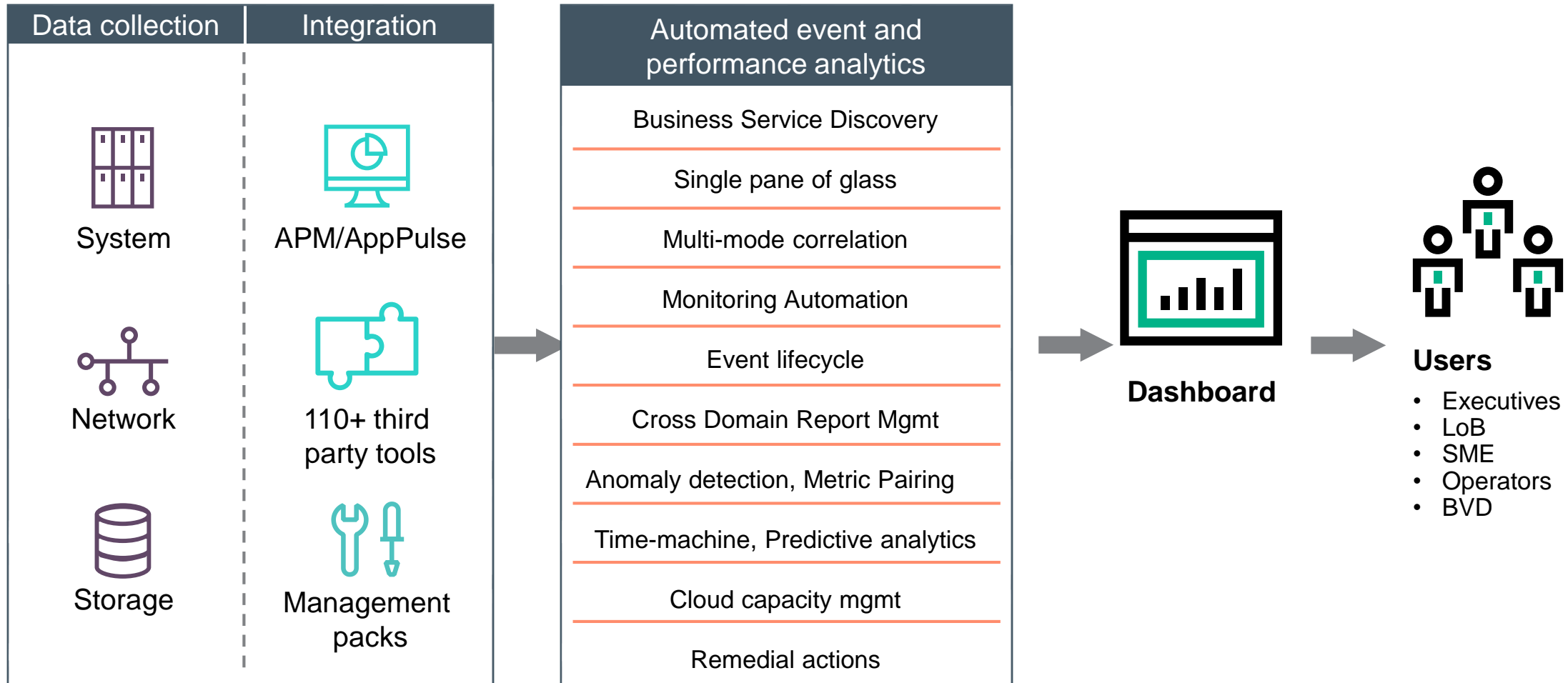
- HPE Operations Bridge for Docker

- HPE Operations Bridge for Amazon Web Services

- HPE Operations Bridge for Azure

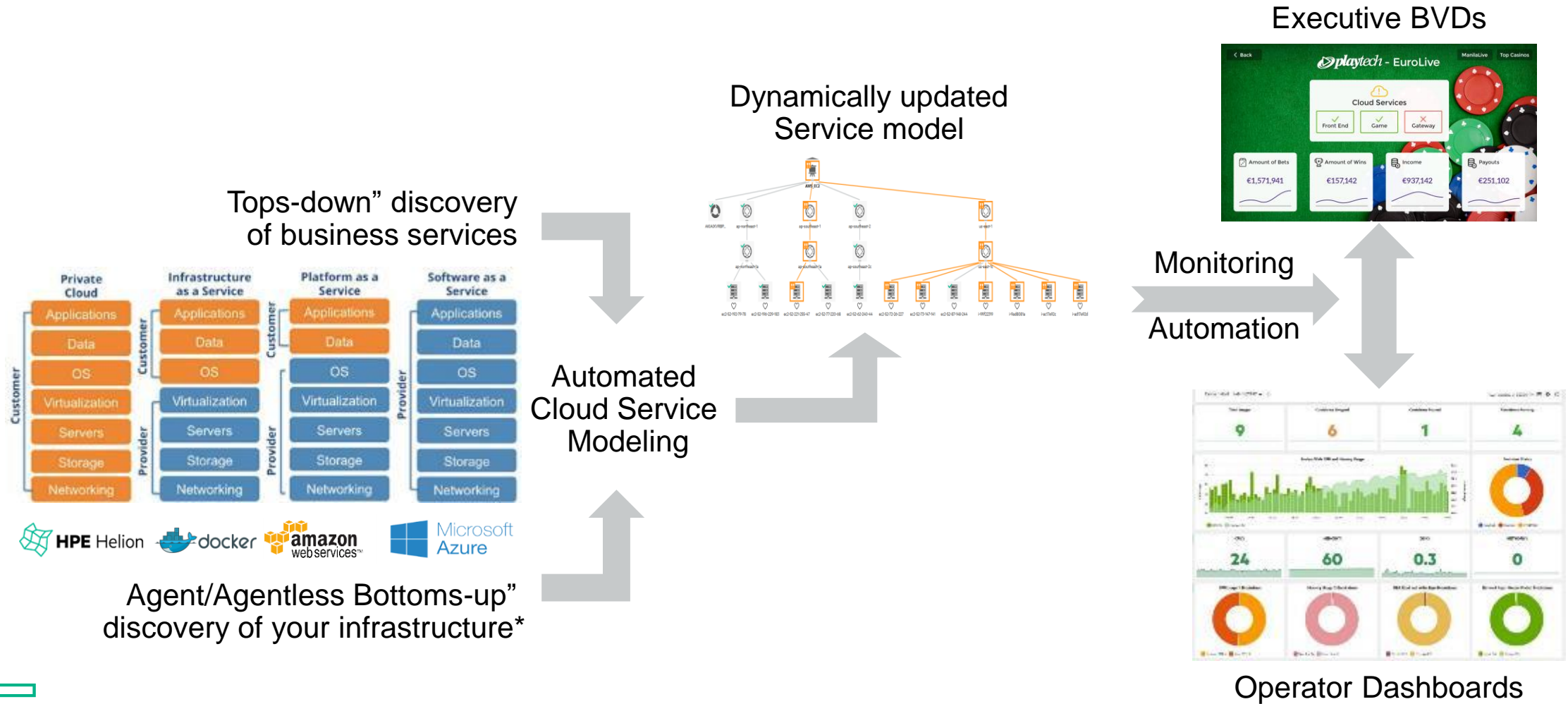
b. Optimization cloud resource allocation

HPE Operations Bridge Suite—in Practice



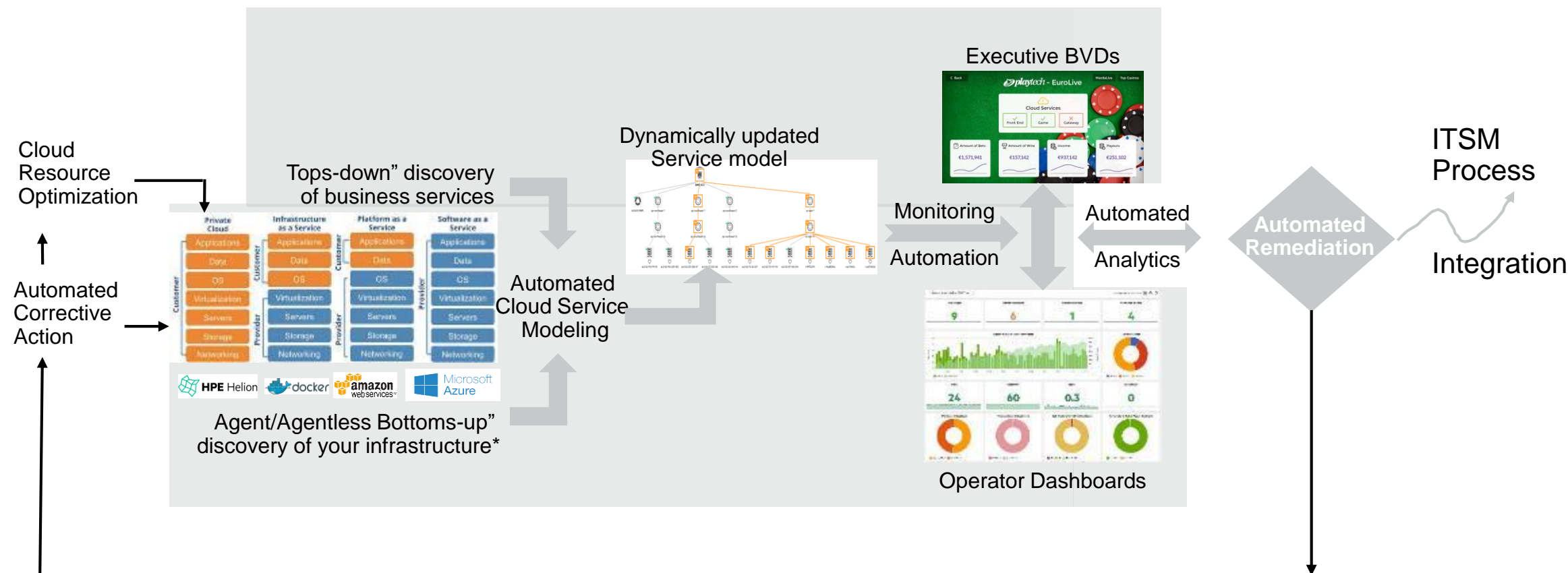
Operations Bridge Suite for Hybrid Cloud

Automated Discovery of cloud business services



Operations Bridge Suite for Hybrid Cloud

Automated Discovery of cloud business services



Operations Bridge Content – Hybrid Cloud

Automate the control of your cloud investments



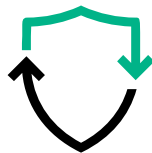
Hybrid Cloud Monitoring

- Collect performance & availability
- Connect to vendor or provision own collection



End to end service view

- Understand biz services
- Find and fix deployment issues



Service Provider surveillance

- Compare performance across clouds
- Compare SLAs across clouds



Poll Question #1

Out of these domains that we now cover with HPE Operations Bridge *which* is of greatest interest and importance in your IT environment?

Automated

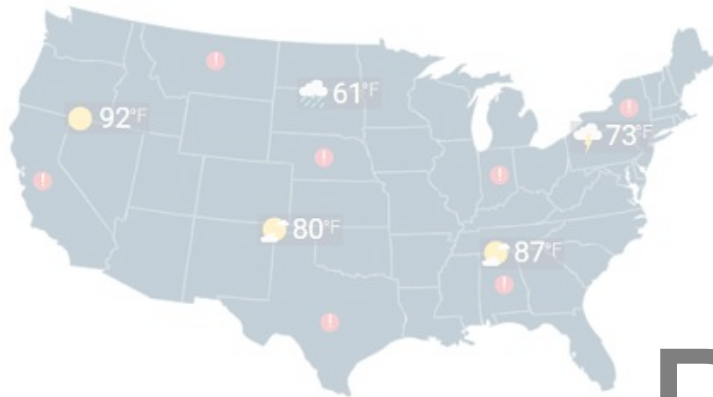
1. business service discovery (tops down)
2. cloud service discovery and monitoring – Docker
3. cloud service discovery and monitoring – Amazon Web Services
4. cloud service discovery and monitoring – Azure
5. Optimization of cloud resource allocation

AO IG

Investment Research

[Wed, 01 Jun 2016 05:38:05 -0400] Toyota in talks to buy robotics divisions from Alphabet: Nikkei

ATM

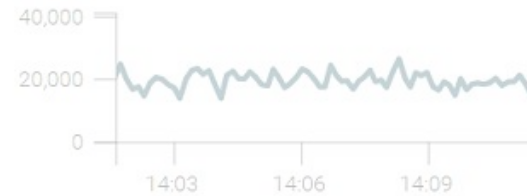


USA, North America

Online Banking

14,267

Users connected

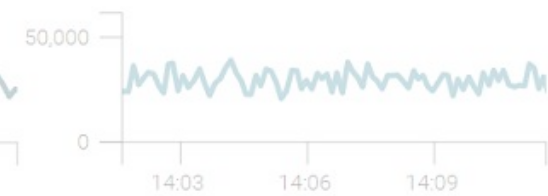


Transactions

Mobile Access

23,254

Employees connected



Mobile operations

Demo

Payroll Service

79 %

Paychecks calculated this month

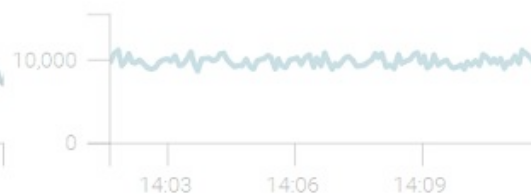


Self service corrections

Express Invoicing

9,217

Current invoices



Invoices

Account Management

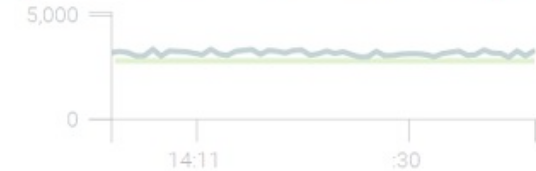
4,999

USD average balance



Accounts in debt

Fraud Prevention



Transactions validated per second



Blocked authorizations

Optimize your cloud resources

Who's interested, why, what's the uses?

Uses

Capacity Optimization

- Reduce total costs
- Forecast requirements
- Improve performance
- Improve service quality

Cloud/Virtualization Teams



VP IT Ops and Tools



VP Cloud (compute)

"I would like to reduce my expense on hardware purchases by controlling VM sprawl."

- "I need to let top management know status and what-if scenario forecasts"
- "My cloud consumers want self-sufficient provisioning, & to understand performance, usage and future needs"

HPE Cloud Optimizer

Monitor, troubleshoot, analyze, optimize hybrid Infrastructure

360° visibility Hybrid IT

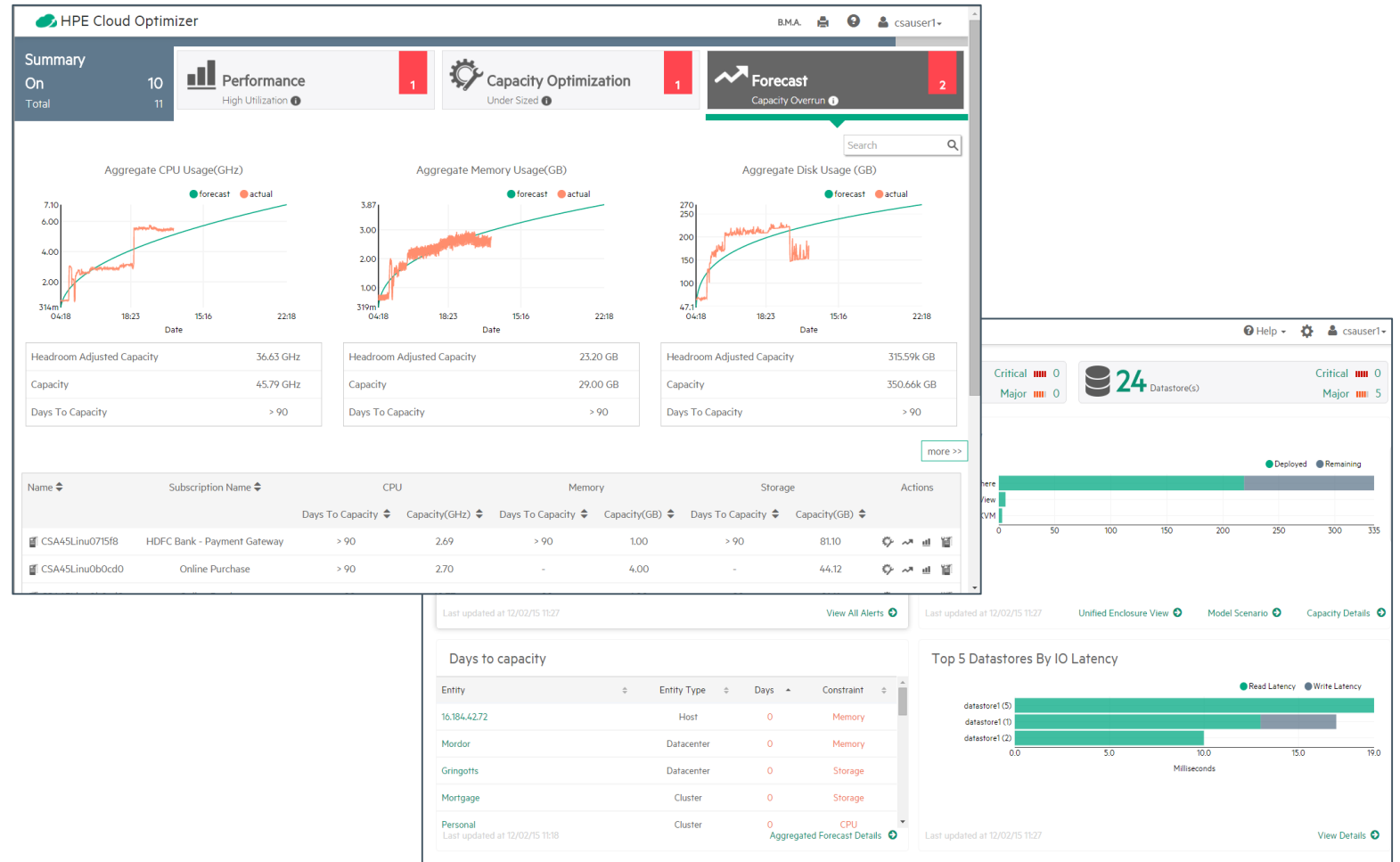


Physical | Virtual | Cloud

Troubleshoot problems

Enable IT service quality

Capacity and What-if planning



DevOps—Expand beyond traditional IT

Your DevOps technologies covered

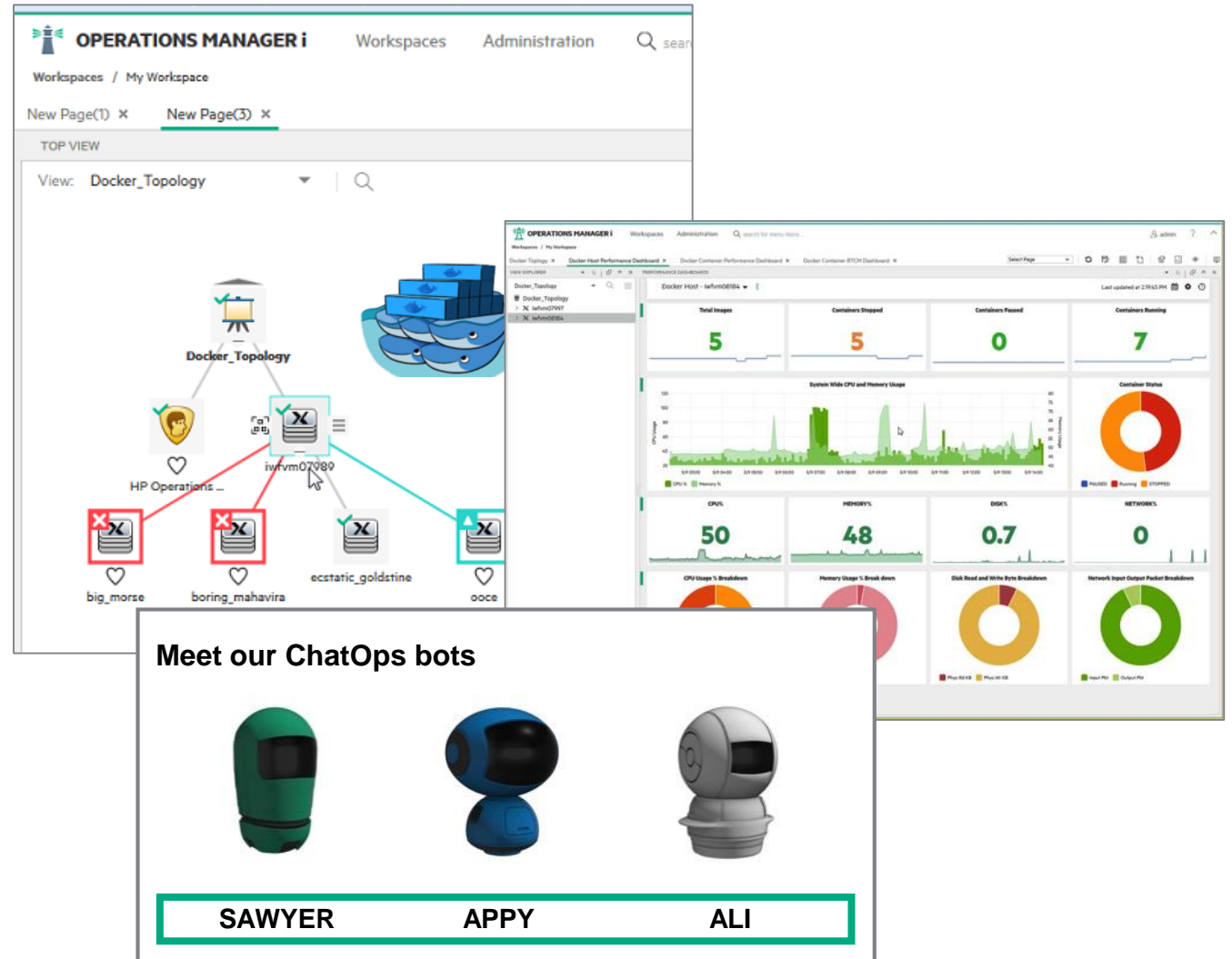
- Discover hosts and their containers
- Status and performance of all containers
- Container network monitoring
- Container log file encapsulation
- Automated Big Data business-focused analytics applied to container usage

Detect-to-correct process

- Information shared across teams

ChatOps

- Persistent chat rooms and bots
- Knowledge building across teams
- Bots push notifications, answer questions, run actions



HPE Operations Bridge OMi- ChatOps

Enable DevOps with Operations Bridge



Use cases

- New way for collaboration across Dev, DevOps and IT
- Agile CLIP for fast problem resolution



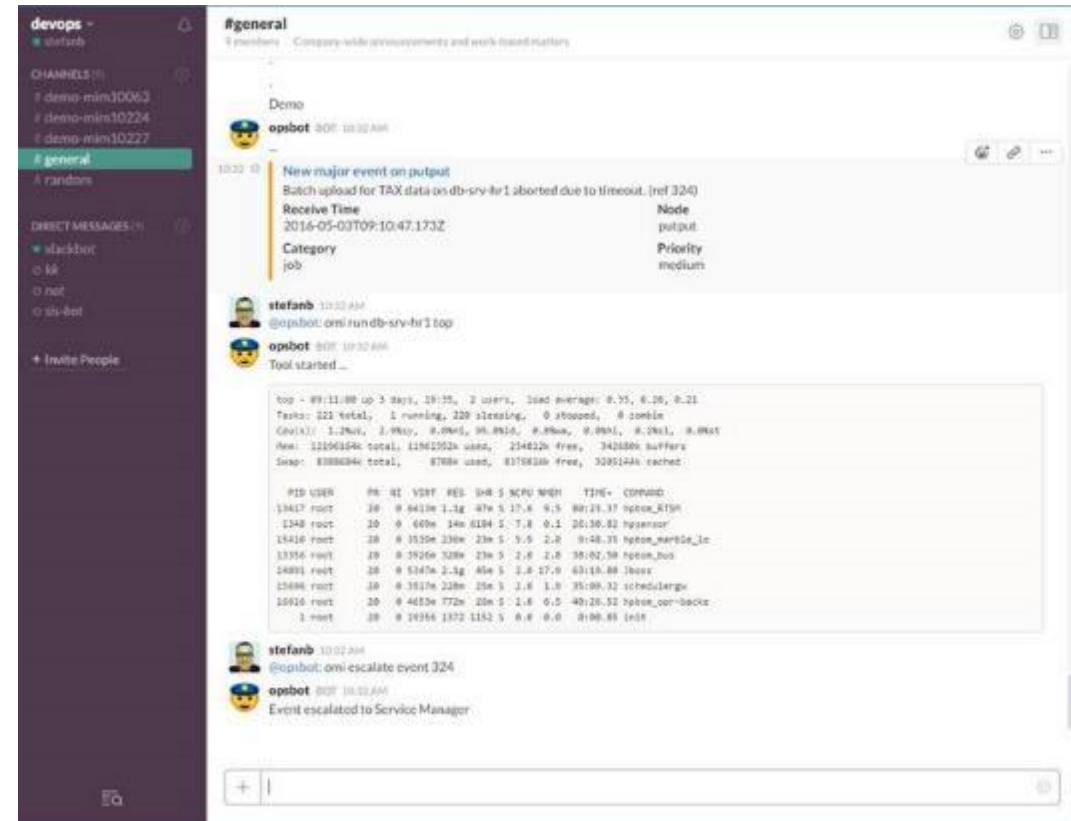
Product Bot

- Automatically publish selected events into dedicated channels
- Execute OMi tools directly from the chat



Various Chats

- Integrate with your preferred chat tool.



example only

Poll Question #2

Out of these domains that we cover with HPE Operations Bridge, *which* is of greatest interest and importance in your IT environment;

1. ChatOps for DevOps
2. Performance Analytics
3. Business Value Dashboards

hpesw-demo

jim.ops

CHANNELS (99)

advantageinc-mim10...

advantageinc-mim10...

advantageinc-mim10...

advantageinc-mim10...

advantageinc-mim10...

demo-setup

general

hr-infra-ops

incident-153675

incident-154305

incident-16608

random

DIRECT MESSAGES (39)

slackbot

ally

appy

omi

sawyer

#hr-infra-ops

8 members | Add a topic

Search

@ ☆ ⋮


Category

job


Priority

medium

Today

 jim.ops 6:49 PM

@appy: sitescope run monitors db-srv-hr1

 appy BOT 6:49 PM

Monitor : Sitescope/db-srv-hr1/Mem on db-srv-hr1

Details:

Status: GOOD

Last Running: Mon, 30 May 2016 16:49:30 GMT

Results:

0% virtual memory used

3965MB virtual memory free

0 pages/sec; 95% physical memory used

166MB physical memory free

Monitor : Sitescope/db-srv-hr1/CPU on db-srv-hr1

Details:

Status: GOOD

Last Running: Mon, 30 May 2016 16:49:33 GMT

Results:

2% avg

cpu1 2%

cpu2 2%

+

😊

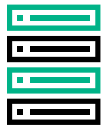
Demo

Operations Bridge – Real time Performance Dashboard



Persist data

- Optional persistence of data
- Shared OBR Vertica instance
- Performance analytics



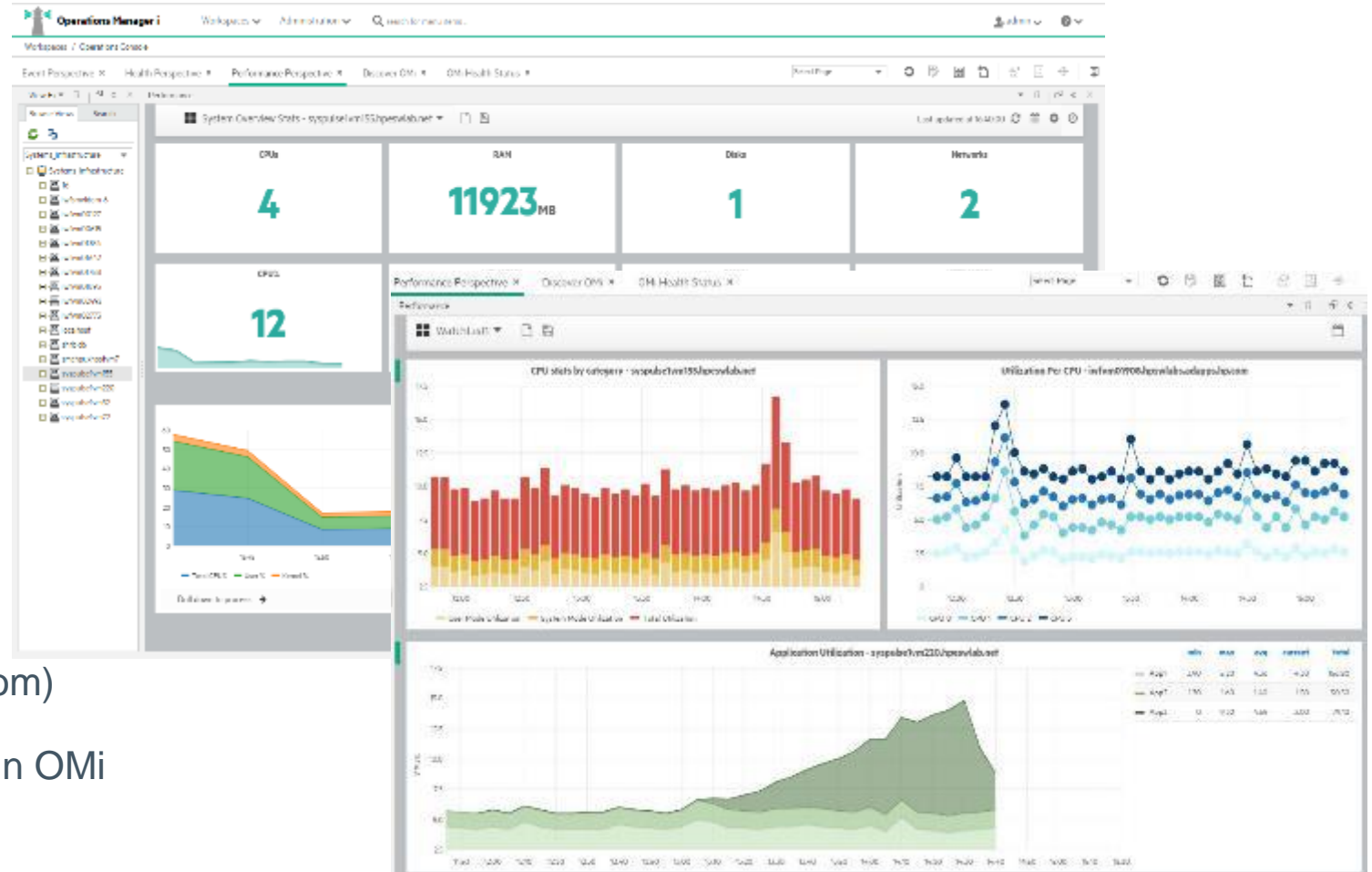
Faster Troubleshooting

- Compare multiple CIs
- Create favorite dashboards
- Process drill down and filtering

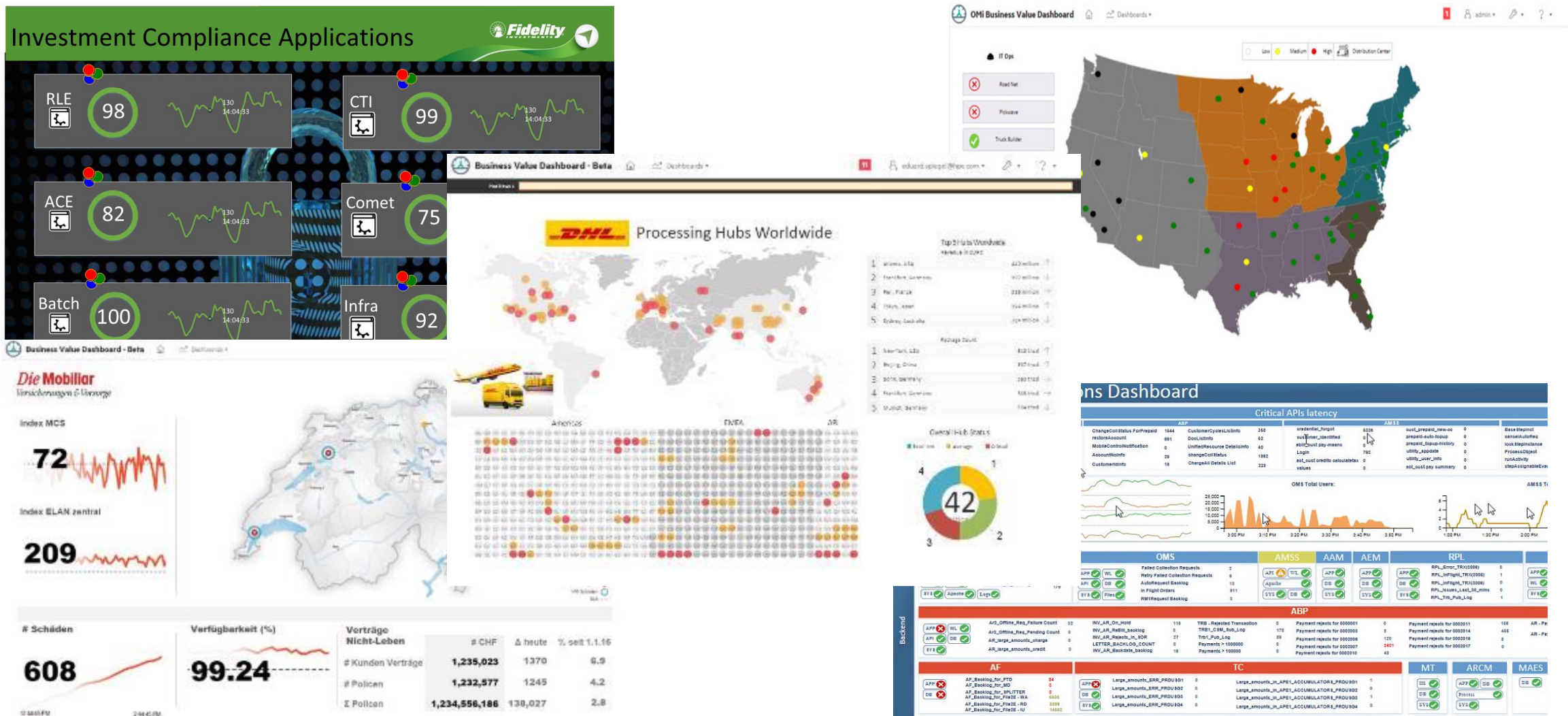


Extend real time content

- More metrics from Agent (custom)
- 3rd party metric content
- Real time metric configuration in OMi



Operations Bridge Dashboard – Community on HPLN



Internet of things—Expand beyond traditional IT

BVD - Windpark Manager

360° Windpark health management

Windpark discovery: millions of sensors

Integrated management of 1,000s of turbines

Line of business prioritization through:

- Management of known issues
- Analysis of unknown issues

Predictive maintenance

- Avoid unexpected downtime by predicting failures

Security management

- Identity theft
- Targeted attack
- Malicious insider
- Wireless security

Weather Report

10.57 °C

2.1 m/s SSW

Production Overview

23 kWh



Customer Example - Vodafone

Ian Bromehead

Product Marketing Director

HPE Operations Bridge Suite Business Value Dashboard

Executive visibility of what's happening as it happens



Business Services Lifecycle - All OpCos

Operations through a business lens



Explore

100%
Availability

SLA Breaches: 0



Buy

92%
Availability

SLA Breaches: 2



Startup

100%
Availability

SLA Breaches: 0



Use

100%
Availability

SLA Breaches: 0



Support

100%
Availability

SLA Breaches: 0



Renew

74%
Availability



SLA Breaches: 5

HPE Operations Bridge Suite

Customer-measured benefits



Business Services Lifecycle - All OpCos



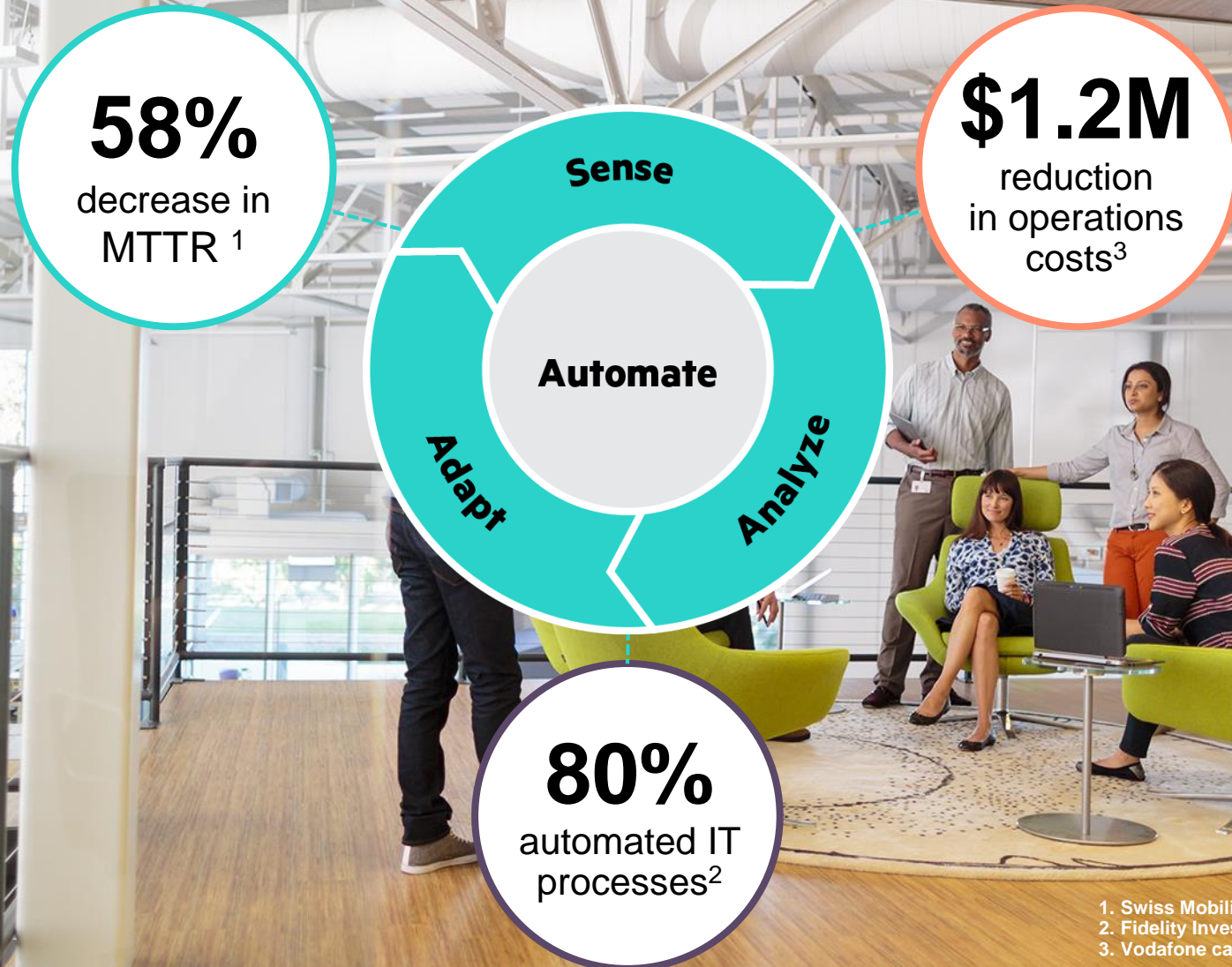
“This HPE Operations Bridge v10.10 Business Value Dashboard is completely new capability for Vodafone and will **dramatically improve communication and collaboration between IT and teams through the business.**”

“After deploying OpsBridge 10 including OpsA and BVD in December 2015, we started measuring the number of business incidents solved by level 1 operators. **In January 2016 it was 22%; by May 2016 we reached 48%.**”

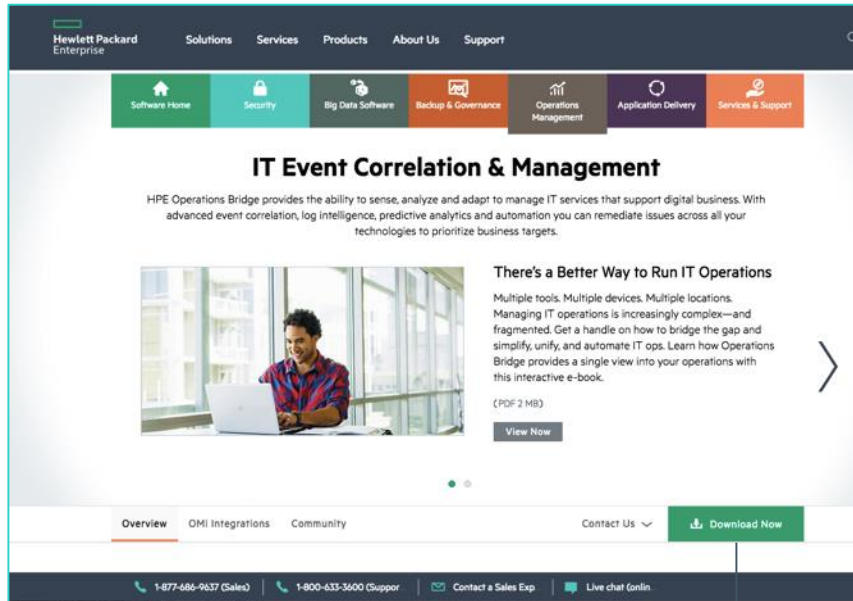
—Luke Bradley, Principle Architect, Vodafone Group

HPE Operations Bridge Suite

Customer-measured benefits



Get started with HPE Operations Bridge now



Download full product or virtual appliance: hpe.com/software/opsbridge

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 - HPE Operations Bridge [Automated Monitoring](#)
 - HPE Operations Bridge [ebook](#)
 - HPE Operations Bridge [analyst review](#)
 - How to measure ROI of HPE OpsBridge [white paper](#)
 - 110+ technologies and tools [here](#)
 - Extract the full value of your IT data [white paper](#)
- [New reference videos: Swiss Mobiliar, KMD, Vancity and more](#)

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Product management

- Harald Burose harald.burose@hpe.com



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Thank you

Thank you

- Complete the short survey and opt-in for more information from Hewlett Packard Enterprise.

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