The Benefits of Transforming your IT event management into Autonomous Operations with HPE Ops Bridge

January 31, 2017

Today's Speaker:

Harald Burose
Product Manager
SW Hewlett Packard Enterprise

Hewlett Packard Enterprise

The webinar will begin shortly.

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The Benefits of Transforming your IT event into Autonomous Operations Management with HPE Ops Bridge

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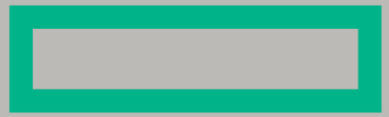

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Today's Speaker

Harald Burose
Product Manager
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- This “LIVE” session is being recorded
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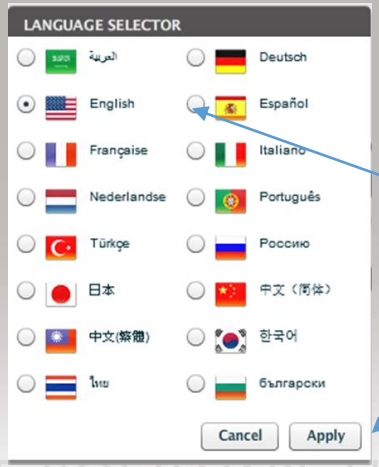
Webinar Control Panel

- Session Q&A:

  Please type questions in the Q&A pane
  and click on "Ask"
- Choose the language in which you would like to ask your questions



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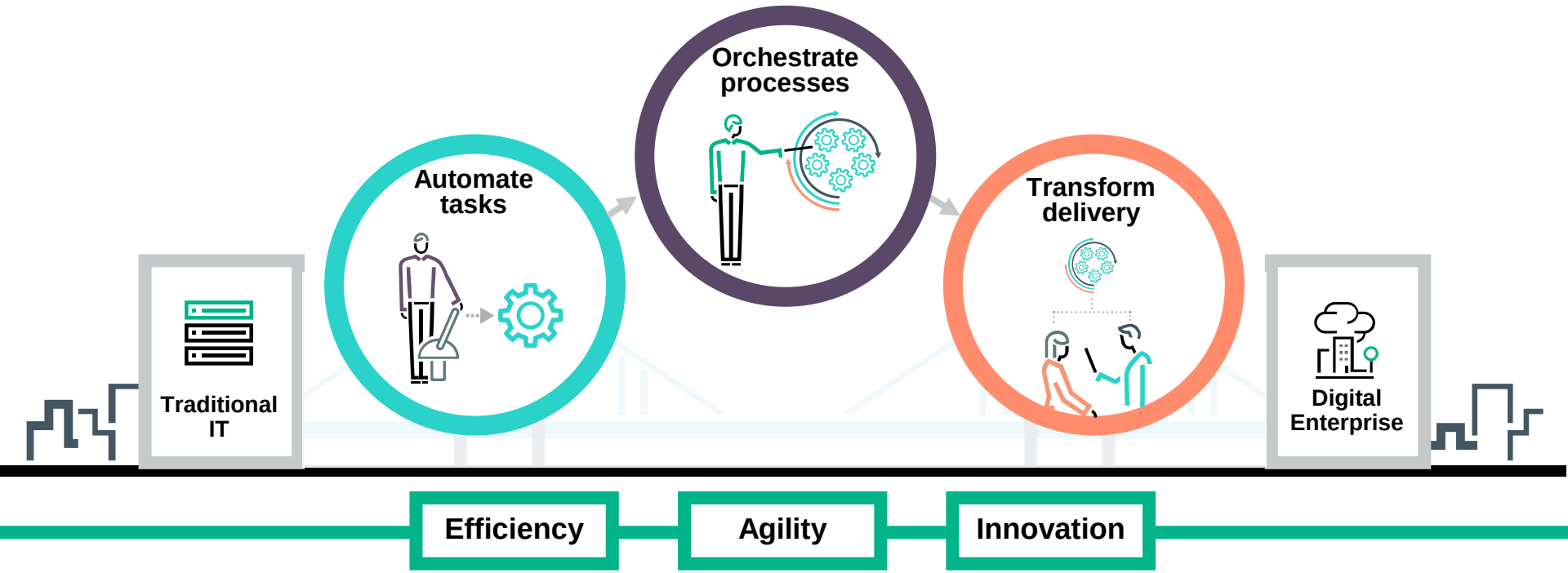
IT must empower the business to move faster

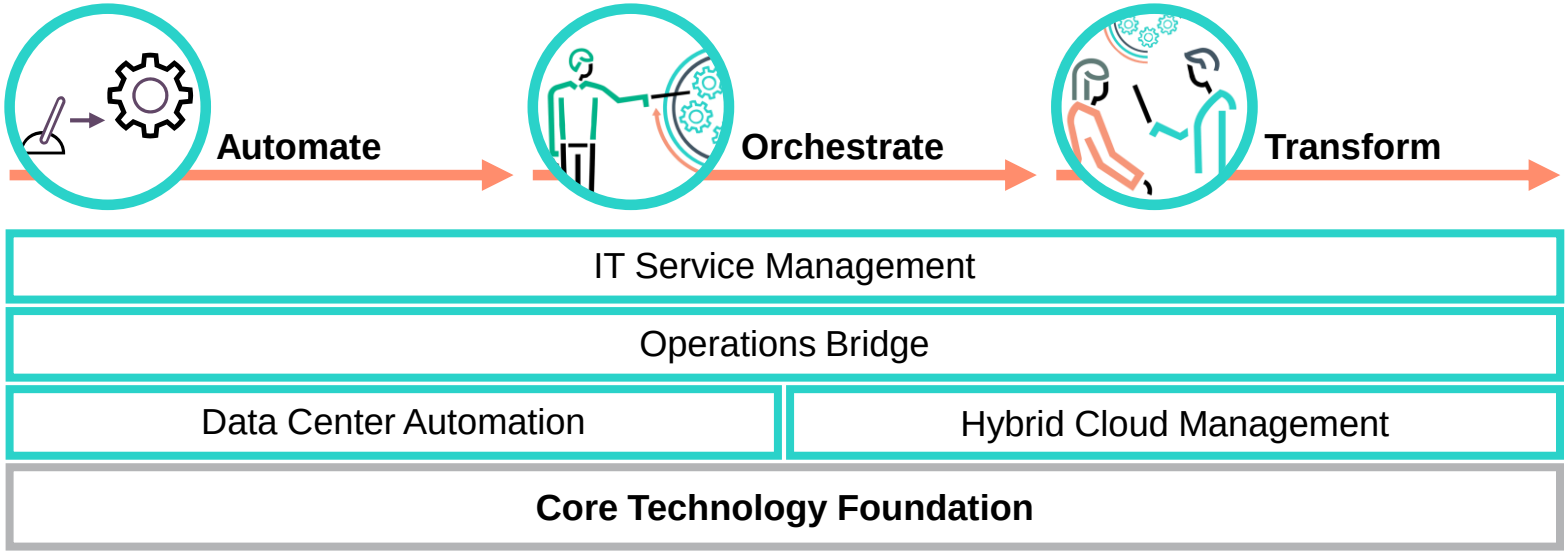
Realize **efficiency**	Drive **agility**	Accelerate **innovation**

Key outcomes enabled by IT Operations



IT Operations Management

Simplified to accelerate innovation



Agenda

- Industry trends
- HPE’s Solution
- Product news
- Demo

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Outside forces are disrupting businesses and government

The idea economy

Turning ideas into new products or services has never been easier

New, disruptive business models

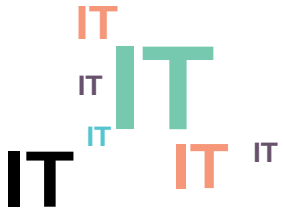
No business, industry or government is safe

Internet of Things, explosion of devices

Cloud is redefining how applications and devices are connecting & providing new value

Inside forces are pushing you to evolve IT

Technology is business strategy



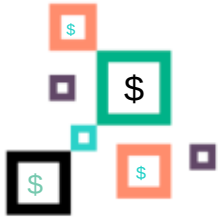
Expanding IT expectations rapidly

DevOps driving culture shifts

Shadow IT is everywhere

Yet problems remains identical

Ensure business Continuity



Optimize cost of delivery

Accelerate delivery

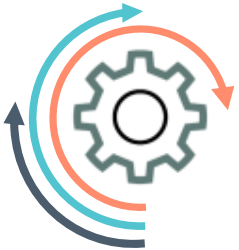
HPE Operations Bridge

Operations through a business lens

Provide Real time biz insight into IT

Consolidate all data in a central place

Use Machine Learning and Big Data



Autonomous Adoption via automation

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Operations Bridge Suite

Visualize from NOC to board

Simple and colorful

Design using standard office tools
And Plugin your own graphics

Flexible and secure

Show status, metrics, RSS, and
video streams, built-in robust security

Anywhere, anytime, any device

Access information in real time
from popular browsers on any device

Operations Bridge Suite

Central monitoring solution

Single pane of glass

Sense the state of your IT Environment from Metal to App

Dynamic models

Visualize event impact in the context of Application and infrastructure run-time models

Automate resolution

Take actions on events, automate routine workflows centrally

Performance mgmt.

Unified cloud scale performance with real time visibility

Event correlation

event reduction to focus on the right issues using multiple Correlation techniques

Integrations

Extensive integrations with 3rd party monitoring and service mgmt. solutions

OpsBridge Suite

Built on Big Data paradigms

Optimize

Big data capacity planning and optimization with advanced what-if modeling

Report

Big data model driven reporting and forecasting with more than 250+ Out of box reports

Sense

Out of box big data sensors, agents, connectors and integrations to provide real time insight into your hybrid IT infrastructure

Analyze

Big data analytics leveraging multiple data types for troubleshooting, search, prediction ,anomaly detection and alerting

OpsBridge Suite

Adapt environment and your monitoring

Automatic discovery

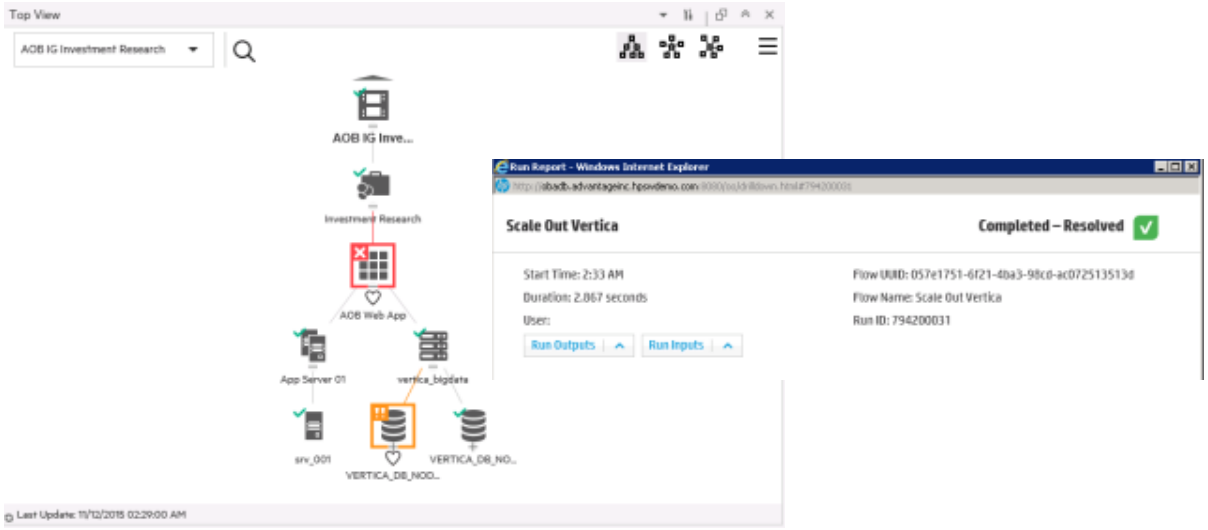
Gain a real time understanding of application service models

Automatic monitoring

Adjust monitoring and sensing policies based on your changing environment

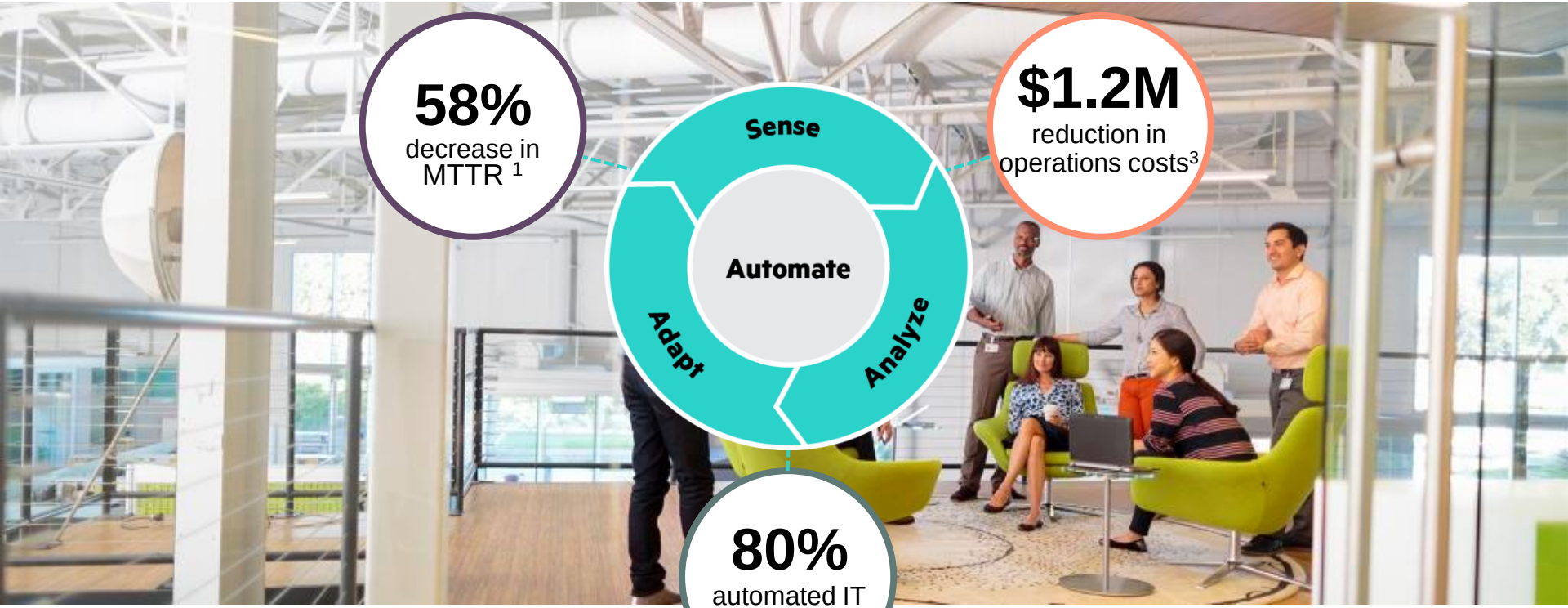
Automatic remediation

Drive automated remediation actions to aim for a total lights out operations



HPE Operations Bridge Suite

Customer measured benefits



1. Swiss Mobiliar case study
2. Fidelity Investment.
3. Vodafone case study

What’s new

Autonomous Operations through a business lense

Who is really in control

On-board artificial intelligence

Intelligent driver assistance

Preventive crash assistance

Incidence avoidance

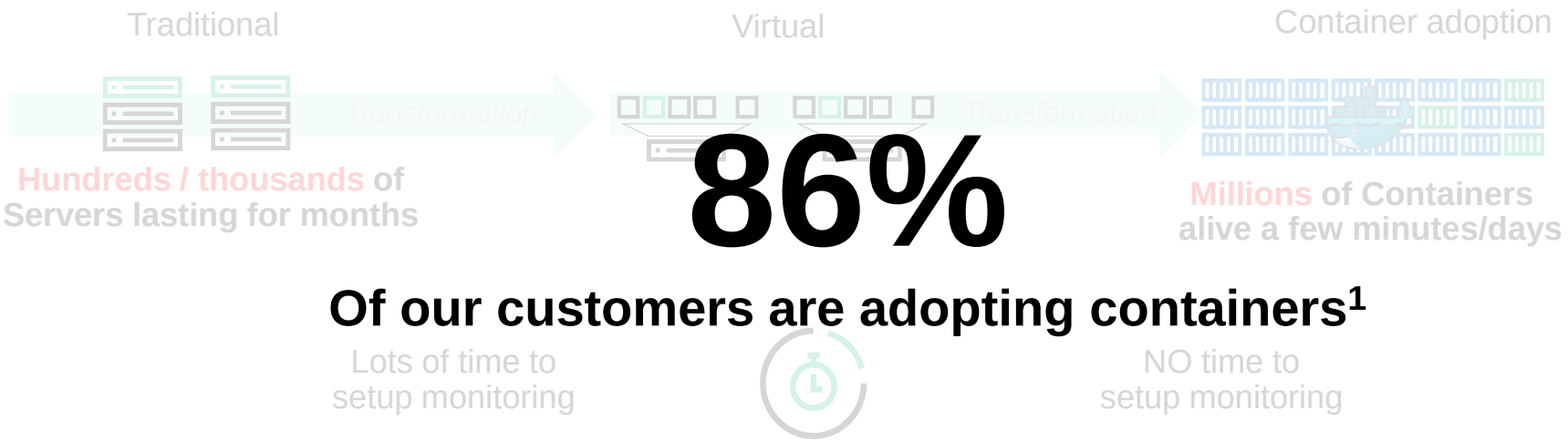
Sense

Analyze

Adapt

What's new with Operations Bridge – The container story

Business risk increased through lack of monitored infrastructure

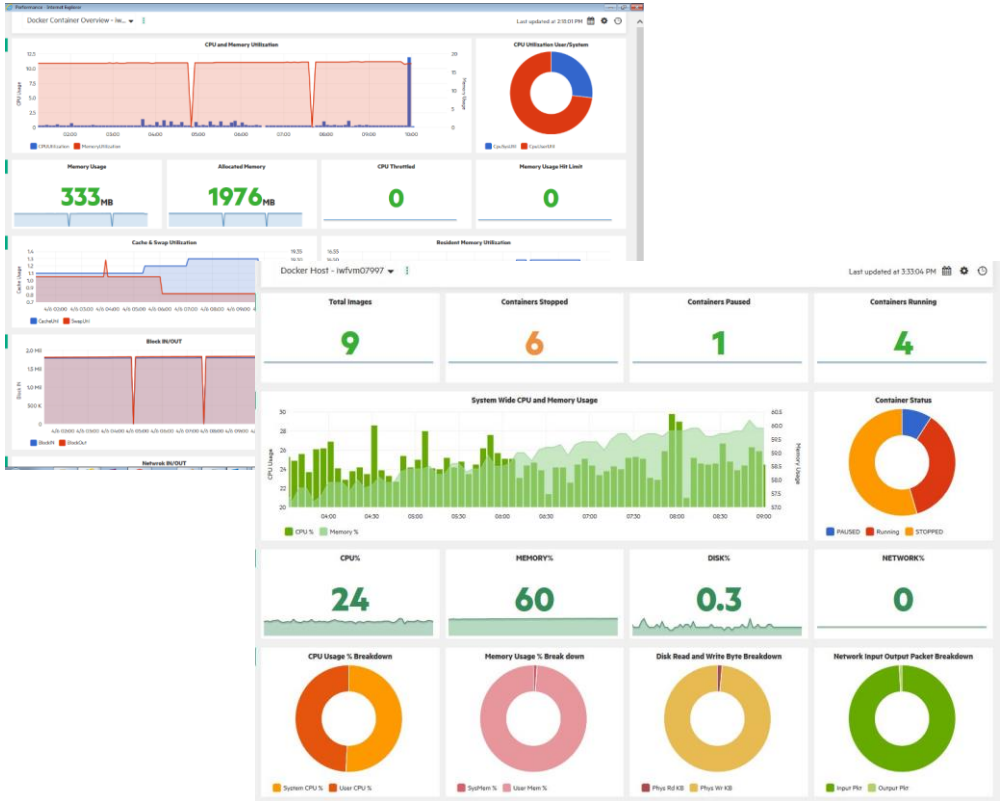


[1] – IT is Flying Blind in Hybrid IT – Dimension research reports for HPE Software – June 2016

Not Monitored

Docker Monitoring with OMi Management Pack

- Automated discovery and monitoring of the docker containers including hosts and clusters
- Monitor the container, host and workload performance/availability KPIs & log entries
- Visualize the performance of the Docker container, host and clusters in real time in state of art dashboard
- Automated discovery and monitoring of key apps / container
- Calculated overall uptime and performance of compute instances over time



Cloud Monitoring with Operations Bridge

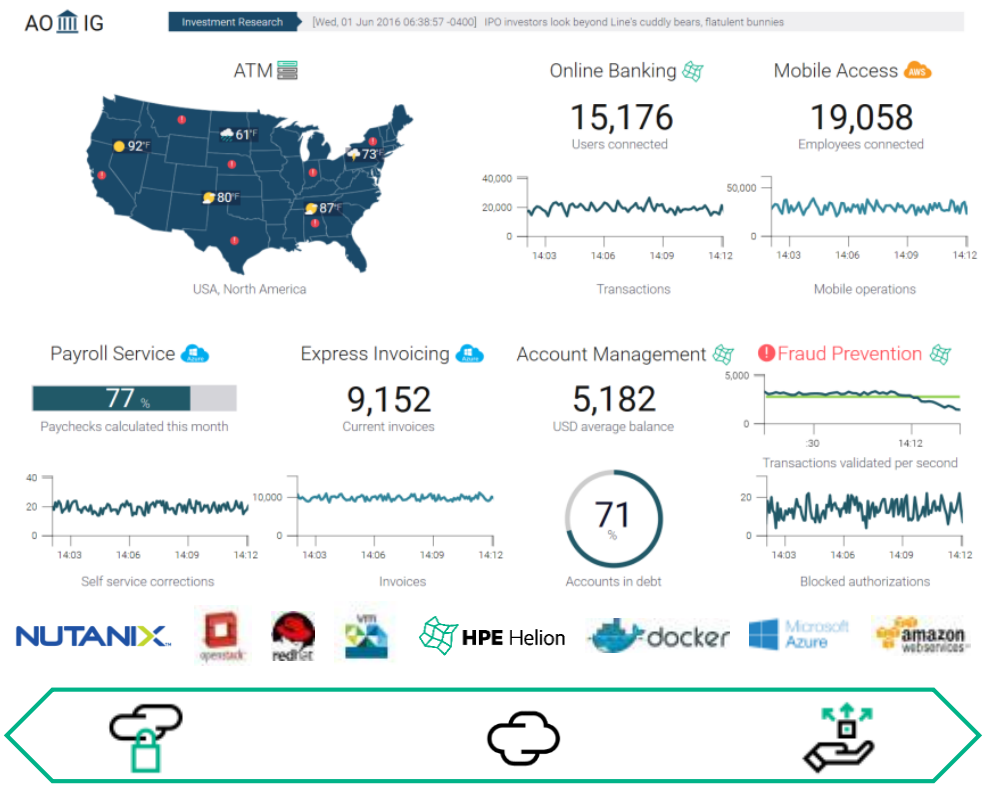
Single view from metal to cloud workloads

Automate monitoring[1], discovery and remediation[2]

Coverage from hyperconverged infrastructure to public cloud

Metal to App visibility for your container infrastructure[3]

Ops Bridge available on Docker and AWS Market place with BYOL



1) Drive Monitoring parameters from std cloud provisioning platforms
2) Built in actions for std cloud stacks (Azure, Docker, …)
3) Mongo DB & SQL Lite in Container discovery

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Autonomous Analytics to drive the Operations Bridge

Zero configuration anomaly detection for your business service

Detect Anomaly

Automatically detects anomalies across logs, events & metrics

Anomaly event in OpsB mapped to service

Detect

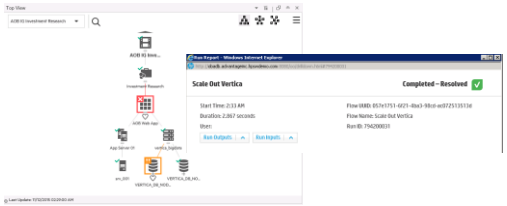
Investigate Anomaly

Anomaly inspection directly opened from the anomaly event in OpsBridge

Investigate

Prevent issue via automation

OpsB Automation used to drive prevent issue



Prevent

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Smart Search with Operations Bridge Analytics 3.0

Combine Search with power of machine learning

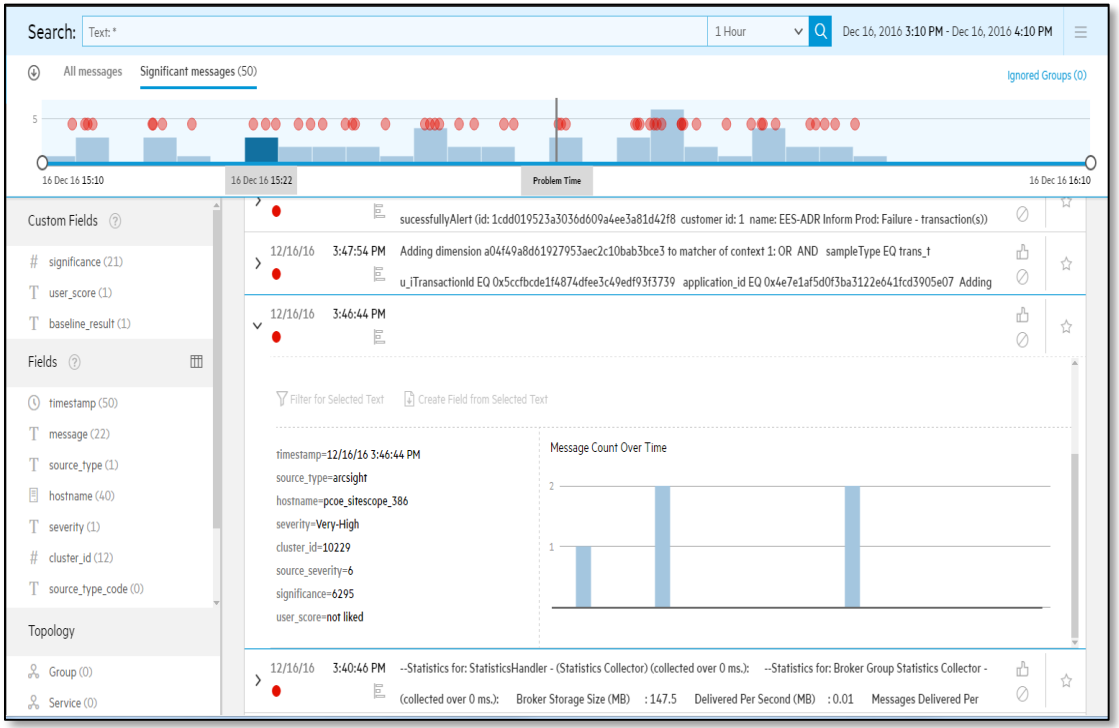
Search across all data

Easy-to-use interactive search operators and dynamic statistics

Integrated Analytics

Overlay anomaly detection results

Identify significant messages faster



Operations Bridge delivered at required scale

Elastic scale with the cloud workloads

AutoScale BVD based on usage

Scale with biz driven ad hoc mobile use

Allow easy scale up and down

Distribute configuration management

MA[1] Nodes

Central Config for the Enterprise

Distributed enforcement system with 15k nodes each

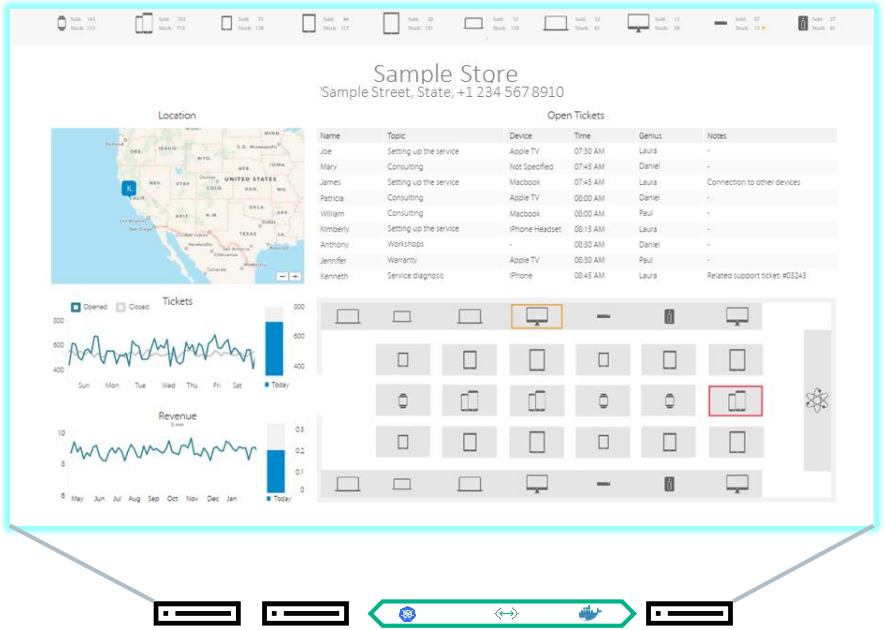
Parallelize event processing

Event/sec

Process multiple events at the same time

Sustain higher event optimization

Aim for elastic event throughput based on load



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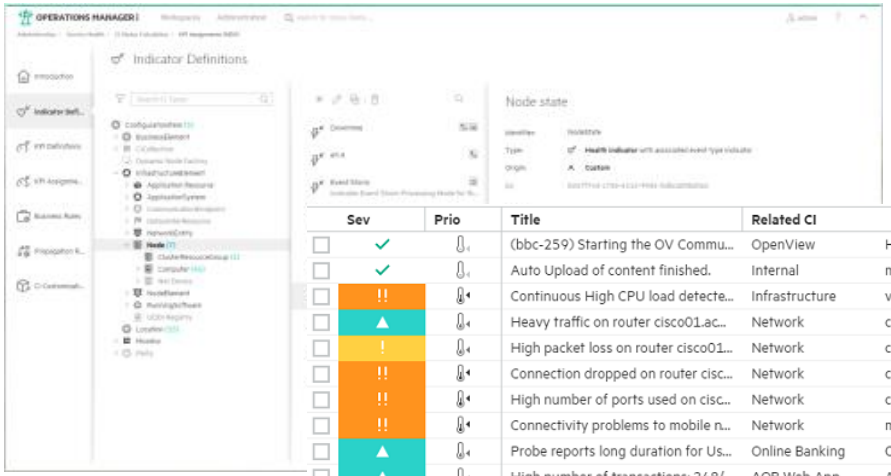
Intuitive HTML-5 administration

Java Applet free Interfaces



Sev	Prio	Title	Related CI	Category	Node	Event Age	Time Created
✓		(bbc-259) Starting the OV Commu...	OpenView	HP Operations Agent on 3...	mambo8	4h 25min	11/8/2016 12:12:20
✓		Auto Upload of content finished.	Internal	mambo8	mambo8	3h 44min	11/8/2016 12:53:43
!!		Continuous High CPU load detecte...	Infrastructure	vertica001	vertica001	3h 11min	11/8/2016 01:26:11
▲		Heavy traffic on router cisco01.ac...	Network	cisco01	cisco01	3h 11min	11/8/2016 01:26:11
!		High packet loss on router cisco01...	Network	cisco02	cisco02	3h 11min	11/8/2016 01:26:22
!!		Connection dropped on router cisc...	Network	cisco02	cisco02	3h 11min	11/8/2016 01:26:27
!!		High number of ports used on cisc...	Network	cisco01	cisco01	3h 10min	11/8/2016 01:27:05
!!		Connectivity problems to mobile n...	Network	mobile-router	mobile-router	3h 10min	11/8/2016 01:27:26
▲		Probe reports long duration for Us...	Online Banking	Online Banking Web App	mambo8	3h 10min	11/8/2016 01:27:27
▲		High number of transactions: 248/...	AOB Web App	AOB Web App	mambo8	3h 10min	11/8/2016 01:27:29
!		Duration for User Transaction 004...	Online Banking	Online Banking Web App	mambo8	3h 10min	11/8/2016 01:27:34
!!		Slow Performance for DB operatio...	Vertica	VERTICA_DB_NODE_01	vertica001	3h 10min	11/8/2016 01:27:34
!!		Probe reports very long duration f...	Online Banking	Online Banking Web App	mambo8	3h 10min	11/8/2016 01:27:41
!!		Resource Pool Usage for Online Ba...	Online Banking	Online Banking Web App	mambo8	3h 10min	11/8/2016 01:27:46
▲		High packet loss on mobile-router...	Network	mobile-router	mobile-router	3h 9min	11/8/2016 01:28:08
✓		Automatic archiving of closed eve...	Internal	mambo8	mambo8	1h 56min	11/8/2016 02:41:17

Extending Browser support to Chrome for OpsB Premium[1]

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1) Excluding the CMDB Browser

Operations Bridge Dashboard – Community on HPLN

Operations Bridge dashboard on your mobile device

Try for yourself

Extending Business Value Dashboard Partner ecosystem

Adding SaaS & CLIP[1] integrations via partners

CLIP Connector & Samples

Extend BVD connectors to SNOW & BMC

Provide sample dashboards for ticket statistics

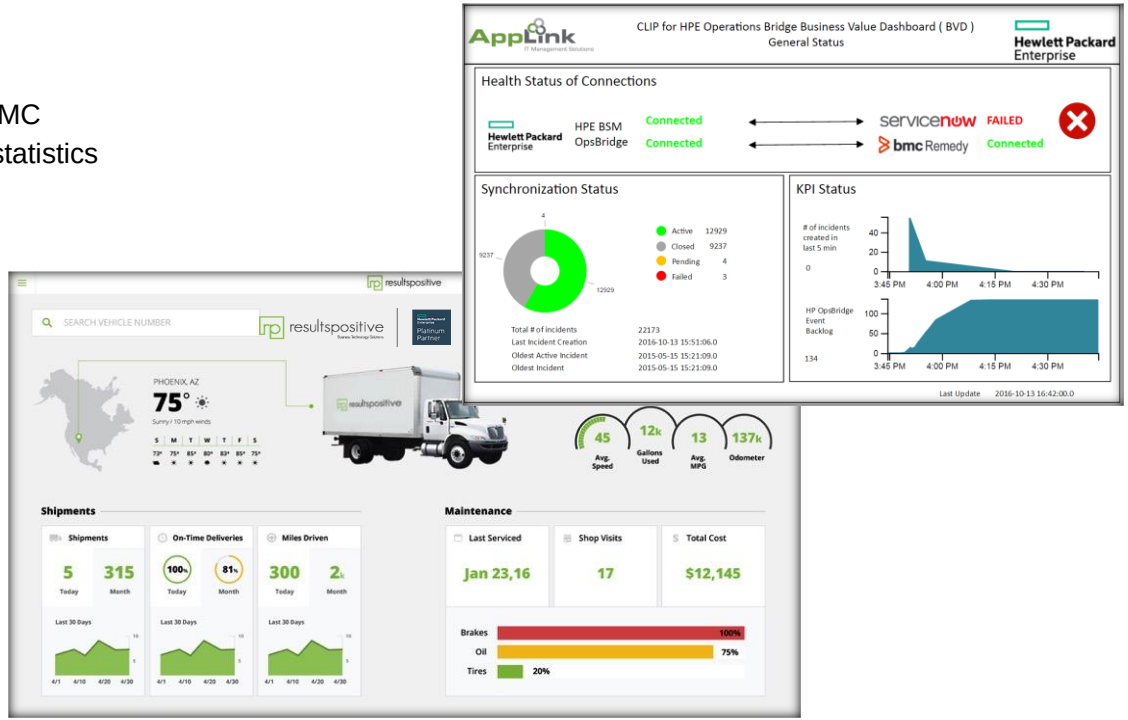
Find content on hpln.hpe.com

SaaS Offer

Standalone BVD as SaaS offering

Provide design & implementation help

http://resultspositive.com/business-value-dashboard/



1) Closed Loop Incident Process

Extend out of the box BVD connectors

Aggregating Cloud Optimizer using BVD

Consolidation

Data from multiple instances in one BVD

Cloud Optimizer script to consolidate data

- Total capacity, utilization, capacity usage numbers, plus remaining capacity trend

Drill-down

Drill down to a single Cloud Optimizer instance

- Launch another BVD or the C. Opt GUI

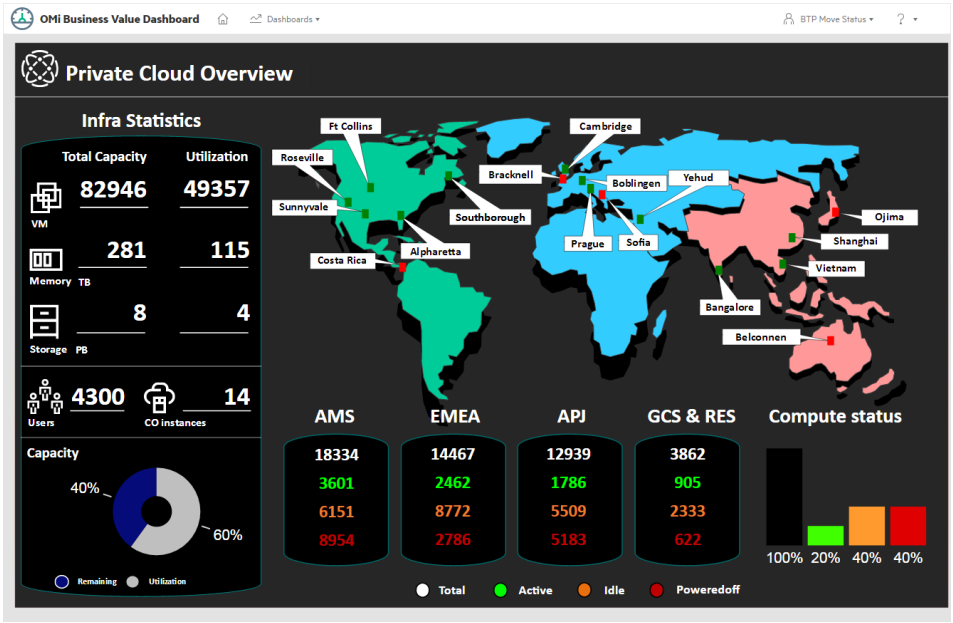
Get details for compute and storage

Exec level Dashboard

Get regional and organizational status

Allow real time access to current status

- i.e. identify wastage / idle time



Screenshot of live (production) BVD dashboard used by IT team for managing 50000+ VMs

Dashboard content soon available at HPE Live Network

Full coverage system collector – Operations Agent

‘Push’ option for OpsBridge Ultimate

Fully automated agent installation

Multiple agent versions selection

Utilizing OpsB Ultimate OO capabilities

Cloud and container readiness

hLinux (Helion)

AWS Linux

Docker container*

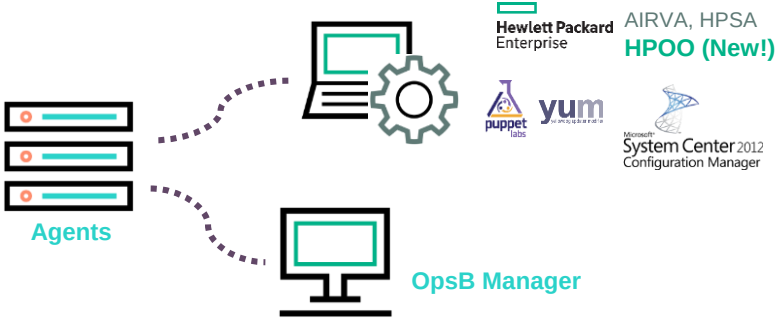
Expand Platform Coverage

Fully functional zLinux agent

- Monitoring, performance, remediation
- On guest Redhat & SuSE VMs

IBM System z

Windows 2016, RHEL 6.8, 7.2, OEL 6.7, 6,8, 7.2, SuSE 11.4, 12, Solaris 11.3, Ubuntu 15.1, 16.04, CentOS 6.8, 7.2



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*Agent and MP run inside a container to monitor container infrastructure

Manage your industrial IoT with Operations Bridge

Sense, analyze and adapt your IoT environment

Sense IT & non IT data

Support industry standards APIs
(OPC-UA, OPC-DA-XML, Mail interceptor)
Out of the box vertical specific content (Winc

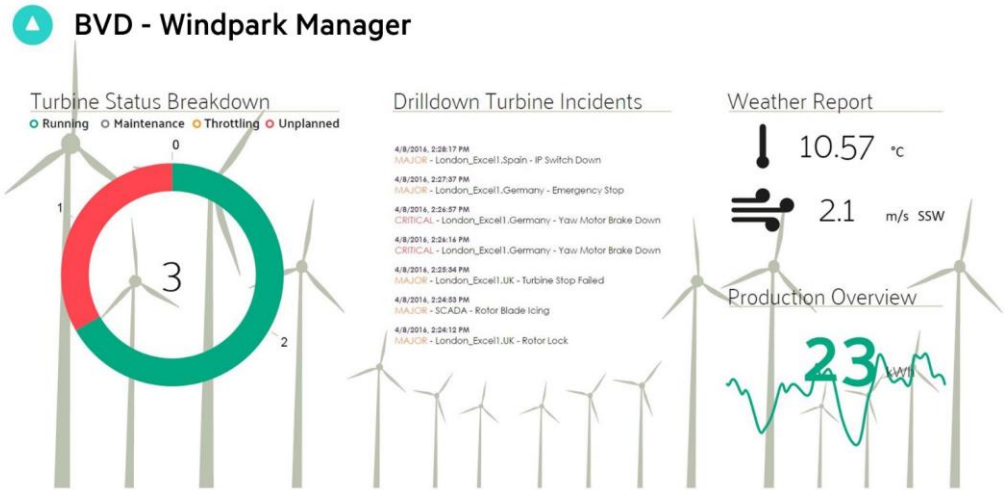
Analyze data in real time

Correlate from different data sources
Custom business specific dashboards

Adapt your devices securely

Control devices centrally via secure commur

Business Value Dashboards show what's happening as it



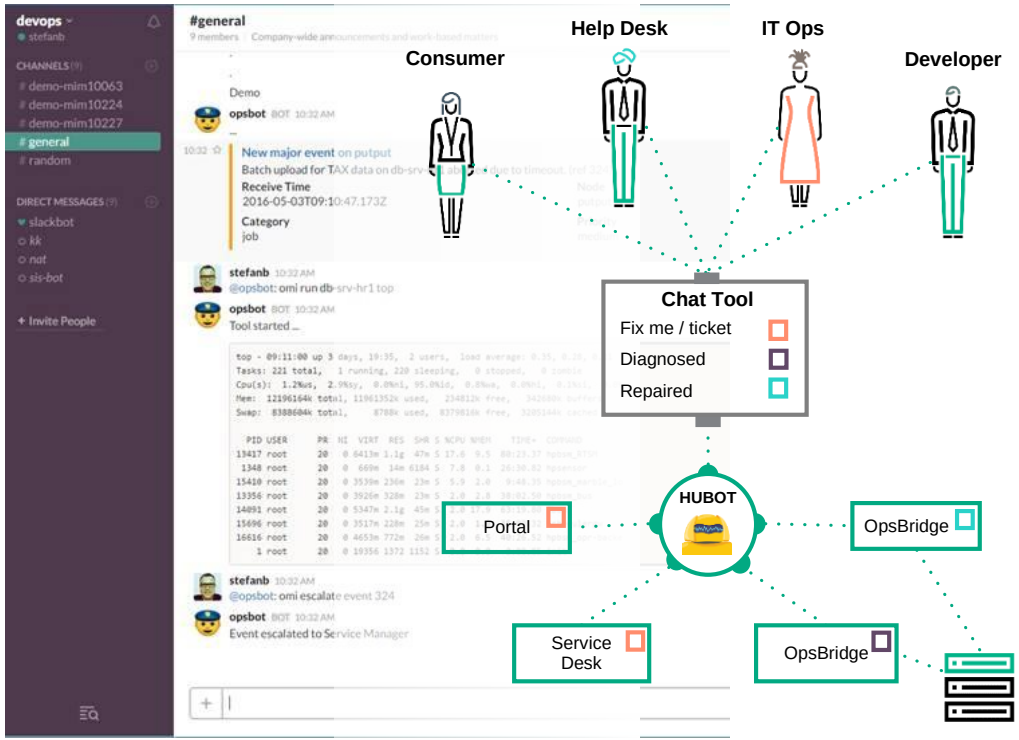
Adopting new concepts with Operations Bridge

Next Gen Detect to Correct Process – Chat Ops

Collaborate
with SMEs, teams and systems

Utilize Knowledge
Preserve as a knowledge base
Use for future analytics

Automate
Interact with systems via bots
OpsB bot available among others

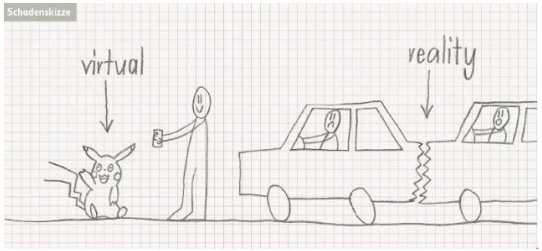


Operations Bridge drives efficiency across IT

33%
Incident reduction

MTTR reduced by
58%

Swiss Mobiliar
Insurance & Pensions



750
Man-hours
savings/mon

Automated
80%
of their IT processes

Fidelity INVESTMENTS

118%
efficiency Improvement
In 5 months

"The combination of OpsBridge, BVD and Appulse is unique on the market"
Luke Bradley

vodafone GERMANY

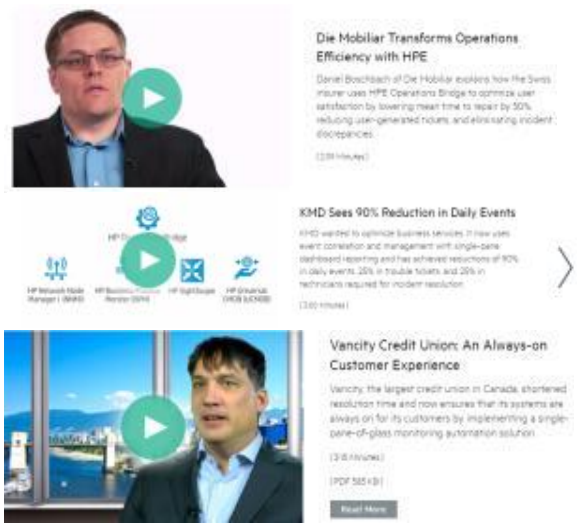
Hewlett Packard Enterprise

Find out more

Videos and demos

BVD Live DEMO

Customer use cases



Web presence

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Thank you

Harald.burose@hpe.com
ianb@hpe.com

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ITOM SESSIONS:

Big Data Service Desk: The Saga so far
1 February 2017
5:00 AM - 6:00 AM EST (GMT-5:00), 11:00 - 12:00 CET (GMT+1:00), 15:00 – 16:00 IST (GMT+5:30)
Hemit (Helse Midt-Norge IT) has been running HPE Service Manager with Smart Analytics for almost two years to simplify ticket submissions and to enable fast and proactive problem management. They will share their experiences and ideas for the future.

Cloud Next: The next generation of cloud management software from HPE
2 February 2017
6:30 AM - 7:30 AM EST (GMT-5:00), 12:30 - 13:30 CET (GMT+1:00), 17:00 – 18:00 IST (GMT+5:30) Bringing together hybrid and multi-cloud management, world class orchestration, application release automation, cloud compliance and an intelligent cloud service portal to help you accelerate operations responsiveness and achieve cloud freedom.

Master any cloud with Hybrid Cloud Management from HPE
2 February 2017
8:00 AM - 9:00 AM EST (GMT-5:00), 14:00 - 15:00 CET (GMT+1:00), 18:30 – 19:30 IST (GMT+5:30)
Learn about the advantages that Hybrid Cloud Management can provide to you and your organization.

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ADM Sessions

Agile Delivery in a Continuously Regulated Environment
1 February 2017
6:30 AM - 7:30 AM EST (GMT-5:00), 12:30 - 13:30 CET (GMT+1:00), 17:00 – 18:00 IST (GMT+5:30) Hear how Almac Information Services implemented HPE Agile Manager and delivered their project in 9 months as opposed to 2 years.

Enabling the shift towards Agile and DevOps capabilities
1 February 2017
8:00 AM - 9:00 AM EST (GMT-5:00), 14:00 - 15:00 CET (GMT+1:00), 18:30 – 19:30 IST (GMT+5:30)
Learn about a proven methodology we've built to help you and your IT teams unleash the value in your existing investment.

Supporting the idea Economy in the World of Finance – IntelliQA with HPE Mobile Center
2 February 2017
5:00 AM - 6:00 AM EST (GMT-5:00), 11:00 - 12:00 CET (GMT+1:00), 15:00 – 16:00 IST (GMT+5:30)
Discover how IntelliQA is delivering high-quality experiences to customers and accelerating time to market in the world of finance.

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Save the Dates: 16-19 May 2017

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[Learn More]

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Thank You

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

http://www8.hp.com/us/en/software-solutions/operations-bridge-event-correlation/index.html

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