



vivit

Discover the independent Micro Focus software user community where you can share, collaborate, exchange, and grow



COMMUNITY



**Why Boeing, Vodafone, SPAR & many others love Operations Bridge & What's New
October 11, 2017**



Hosted By

Vivit Operations Bridge SIG

Led by: Rocky Pisto & Jim Copio

Join the Operations Bridge SIG today, if not already a member!

<http://www.vivit-worldwide.org/members/group.aspx?id=83434>

YOUR INDEPENDENT MICRO FOCUS SOFTWARE USER COMMUNITY



Today's Speakers



Harald Burose
Director of Product Management
Operations Bridge
Micro Focus



Ian Bromehead
Sr. Product Marketing Manager
Operations Bridge
Micro Focus

YOUR INDEPENDENT MICRO FOCUS SOFTWARE USER COMMUNITY



Webinar Housekeeping



Slide 2 of 27

LOGO/PICTURE

Q&A

Ask a question

Ask

DOWNLOAD FILES

File Name	Size
No file Found	

Folder: All Files

Discover the independent HPE software user community where you can *share, collaborate, exchange, and grow*

Building the DevOps Tool Chain
January 17, 2017

COMMUNITY

SUCCESS

EDUCATION

Dial-In #: VoIP or 415-926-7795 or [International Numbers](#) Conference ID: 0866-2702 User ID: 280895

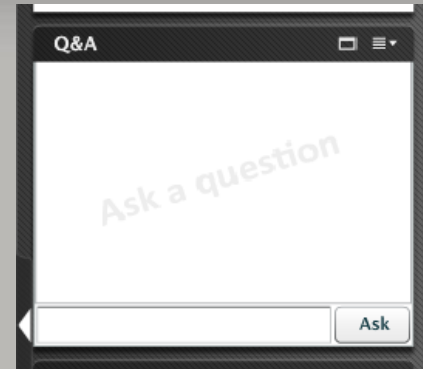
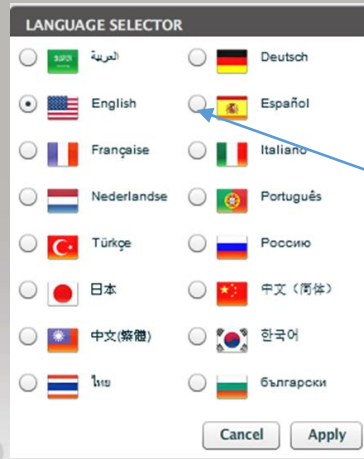
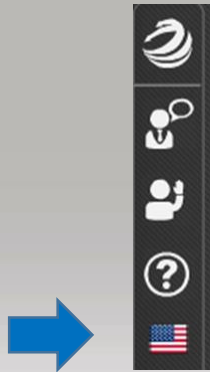
- This “LIVE” session is being recorded
- Recordings are available to all Vivit members
- To enlarge the presentation screen, click on the rectangle in the upper right hand corner of the Presentation pane

YOUR INDEPENDENT MICRO FOCUS SOFTWARE USER COMMUNITY



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

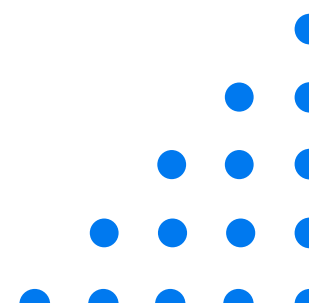


Agenda



- Industry trends
- Micro Focus Solutions
- Autonomous Operations
- Updates

Industry trends



Industry trends

Massive Shift to Hybrid Infrastructure Services Is Underway !!

Year **2017**



IT spending in IaaS



IT spending in IaaS



% of total spending in IaaS



Orgs adopting Hybrid Infra Mgmt¹

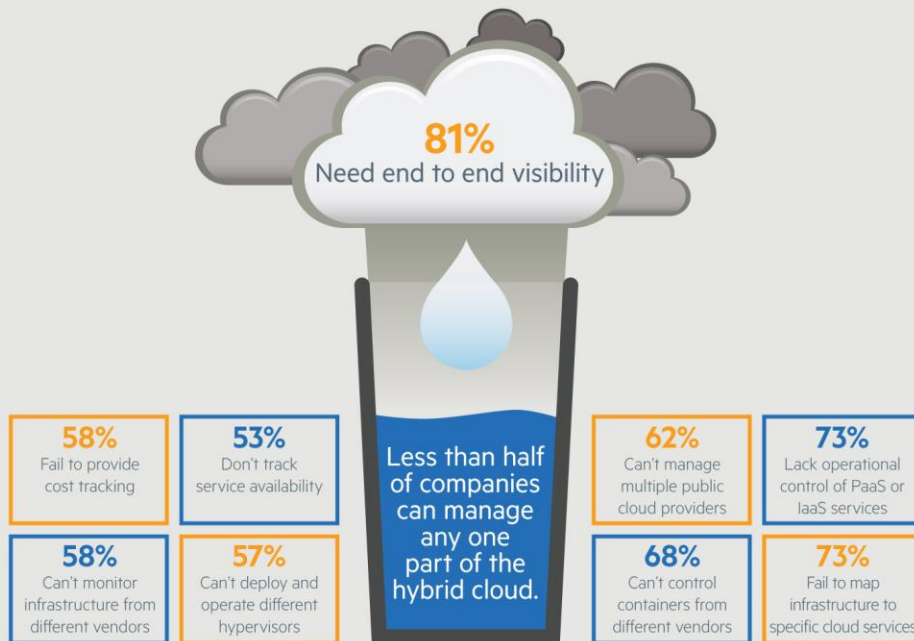
Year **2020**



Industry trends

Comprehensive Solutions Need for **Hybrid Cloud Management**

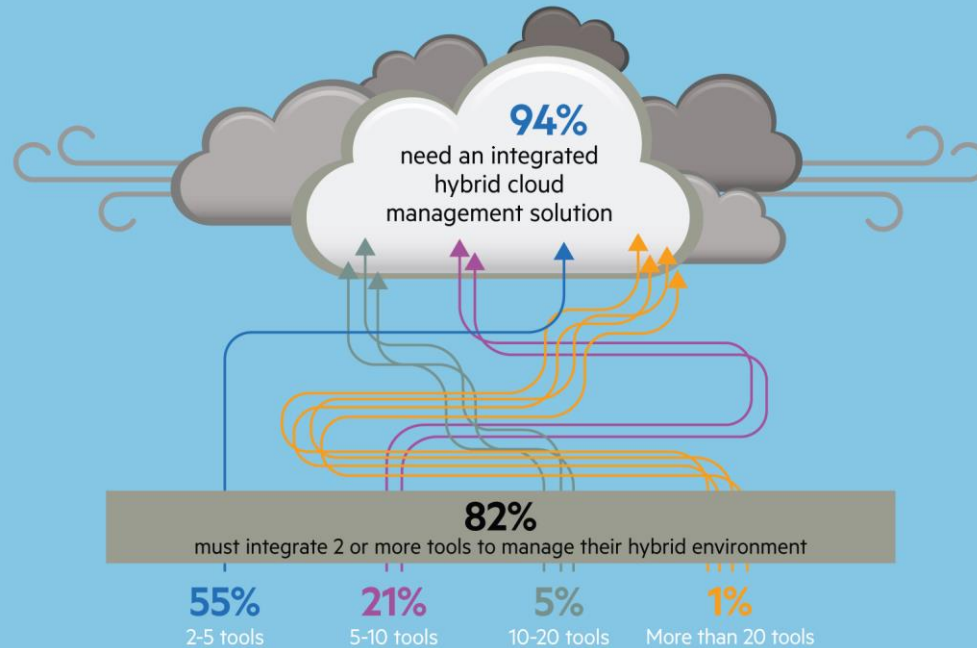
End to end visibility and control across both private and public clouds, from a single management interface is critical to operating a hybrid cloud.



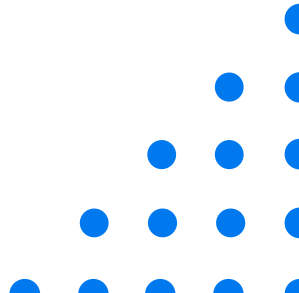
Industry trends

Managing what you **can't see**

Hybrid clouds by their nature are complex, which require the solutions that manage them to be simple and integrated

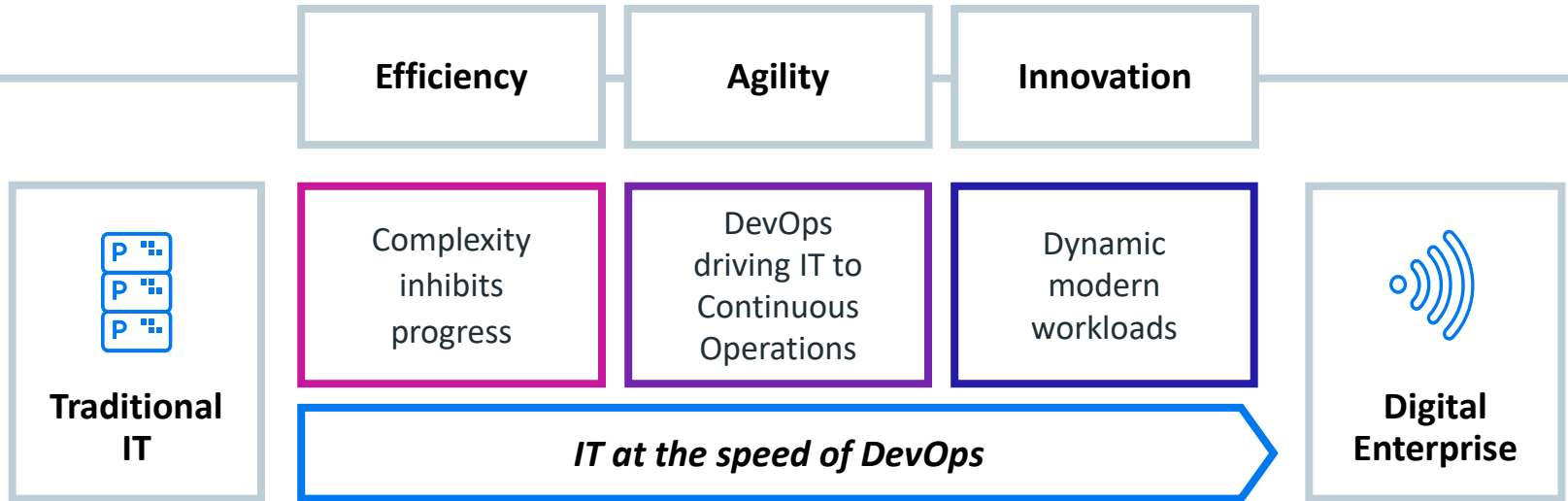


**How does Micro Focus
address this**



Modern IT is focused on business outcomes

Transforming from traditional to digital enterprise



IT Operations Management Suites

Simple, integrated, easy to consume



**Hybrid Cloud
Management**

DevOps ready, multi-
cloud management
and orchestration



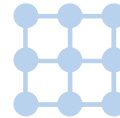
**Data Center
Automation**

Comprehensively
automated data
center



**Operations
Bridge**

Autonomous
operations with
actionable
insight for
stakeholders



**Network
Operations
Management**

Service
management for
enterprise networks



**IT Service
Management
Automation**

Self-service,
intelligence-driven
fulfillment

IT Operations monitoring challenges

Today's IT

Misaligned IT and business priorities results in limited view of IT value

IT can't quickly adapt to new trends and business

Overwhelming volume of data slows triage war rooms extend downtime

Fragmented visibility, too many tools, and manual processes create errors

Creates negative impact



IT competing with business for investments



Loss of reputation and revenue



IT is slow so satisfy Business demands and users



High cost-complexity. Limited results

Desired Situation

IT must transform into a value creator

Hybrid IT

Performance-driven business decisions

Embrace new technologies at DevOps pace

Analytics accelerates resolution with less effort

Consolidated data, elastic automated monitoring

Targeted business value



Business on target



Enhanced IT efficiency



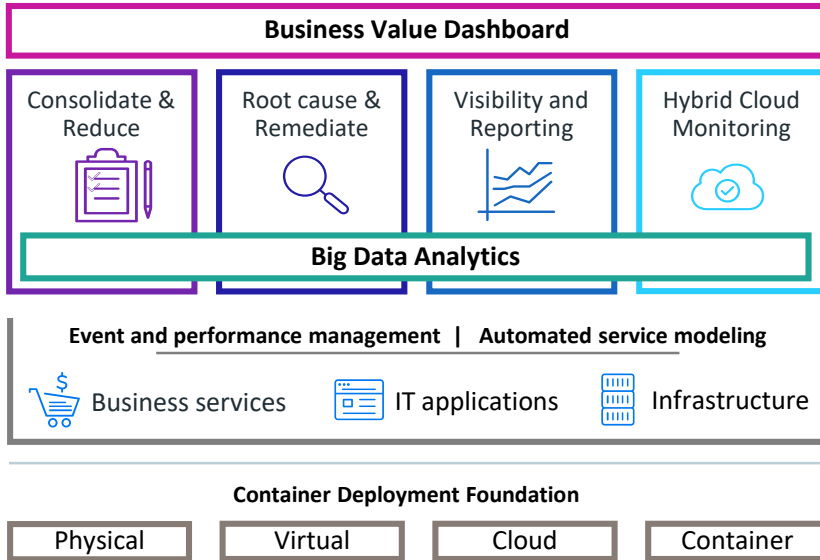
Highest user satisfaction



Strategic investment

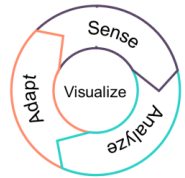
Operations Bridge

Innovative architecture to gain Autonomous Operations










- Business service orientation
- Visualize environment in real-time
- Integrate your tools & technologies
- Discovery & monitoring automation
- Automated analytics of all data
- Automate remediation

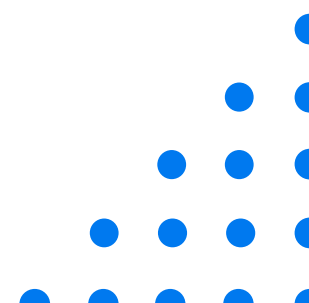
Operations Bridge provides Autonomous Operations



Customer Benefits by Core Use Case

<h3>Consolidate and Reduce</h3>  <p>Customer pain and consequence Too many events and tickets cause long MTTR, no single pane of glass</p> <p>How we do it better</p> <ul style="list-style-type: none">• 110+ technologies and integrations supported• Service driven automated discovery• Single pane of glass and real-time performance analytics <p>Proof Point Find root causes 70% faster</p> <p>Reduced events by 50%+</p> 	<h3>Root cause & Remediate</h3>  <p>Customer pain and consequence complex manual processes cause low MTTR</p> <p>How we do it better</p> <ul style="list-style-type: none">• Service driven, Big Data analytics• Anomaly detection and time-machine interactive search• 8000+ runbooks and tailored, automated correction <p>Proof Point Find root causes 70% faster</p>	<h3>Visibility and Dashboards</h3>  <p>Customer pain and consequence IT can't report in biz terms and is not consulted in strategic projects</p> <p>How we do it better</p> <ul style="list-style-type: none">• Real-time business & IT KPIs quickly formatted to tablets• Modelled business & IT services• 250+ cross-domain reports• Dashboards easily configured <p>Proof Point <i>"Now IT is at the same level as LoB"</i></p> 	<h3>Hybrid Cloud Monitoring</h3>  <p>Customer pain and consequence No visibility of cloud service delivery</p> <p>How we do it better</p> <ul style="list-style-type: none">• Automated discovery and monitoring of cloud services and containers• Optimize resource allocations and cloud subscriptions• Measure and visualize live service level & costs over time <p>Proof Point</p> 
--	--	--	---

Who likes Operations Bridge?



Customers gaining value from Operations Bridge



- ✓ Moved all operators from OM to OpsBridge in 3 months
- ✓ Relate resource issues to application health

« *OpsBridge offered us integrations with APM and 3rd party tools so we could build a single picture* »

In the 1st year

- ✓ Reduced events by 40%
- ✓ 80% fewer critical incidents

« *Now with OpsBridge we see our events with the linkage to the applications and services, this is a clear advantage* »

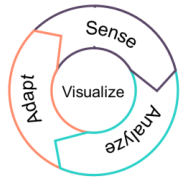


« *With OpsBridge our people see online shopping availability at the side of orders coming in so if anything is red the right people see business impact in real time* »

- ✓ Reduced events
- ✓ Automation for better business processes

Autonomous Operations





Autonomous Operations through a business lens

Who is really in control



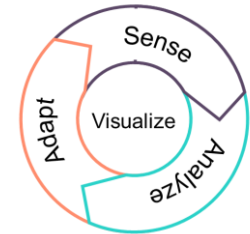
On-board artificial intelligence

Intelligent driver assistance
Preventive crash assistance
Incidence avoidance

Sense

Analyze

Adapt



Leading innovation to gain Autonomous Operations

Changing the way IT Operations works to gain Autonomous Operations



Log streaming legacy agent

Automated service modelling
across AWS, Azure, Docker

Automated root cause
and business prioritization

Automated

Discovery

Monitoring

Analytics

Remediation

Reporting



Automated anomaly
detection



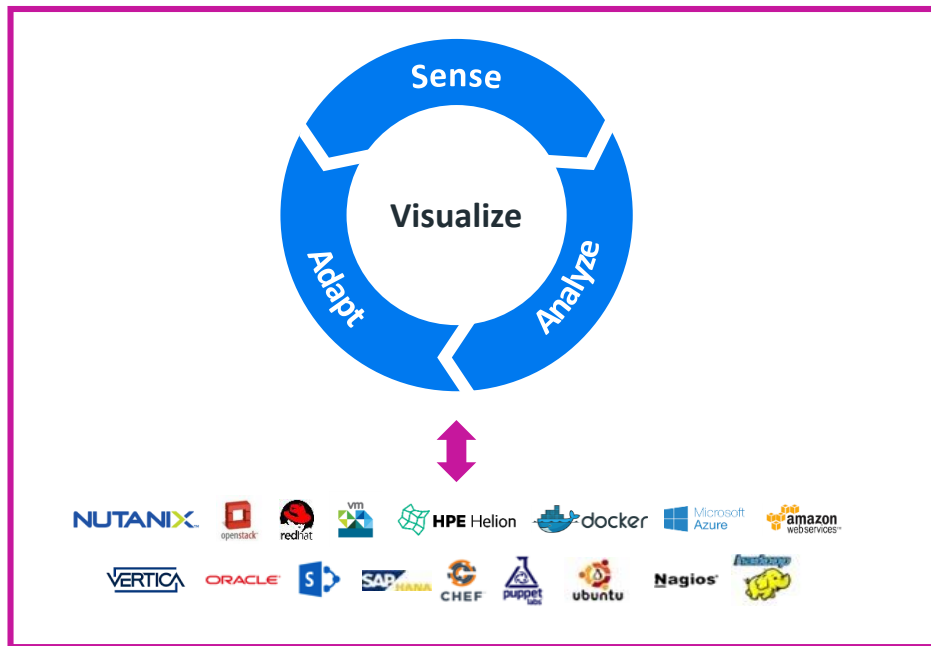
ChatOps DevOps
collaboration



Industry 1st real-time,
tablet-ready
actionable insight

How Operations Bridge Suite does it

Comprehensive, automation across monitoring functions



VISUALIZE to see live what's happening

Give stakeholders real-time visibility of key information and make IT more strategic

SENSE the state of the IT environment

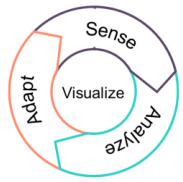
Automatically discover your IT
Consolidate data with 110+ integrations into a single pane of glass.

ANALYZE all your data automatically

Leverage machine learning, anomaly detection, predictive analytics of ALL Data types.

ADAPT with automatic remediation

Execute simple scripts from 5,000+ workbooks.



Sense – consolidate and reduce

Comprehensive, automated IT health in a single pane of glass



Total End to End IT environment visibility

Automate discovery of IT environments
Consolidate tools & hundreds of technologies
hybrid IT monitoring integrated into one place



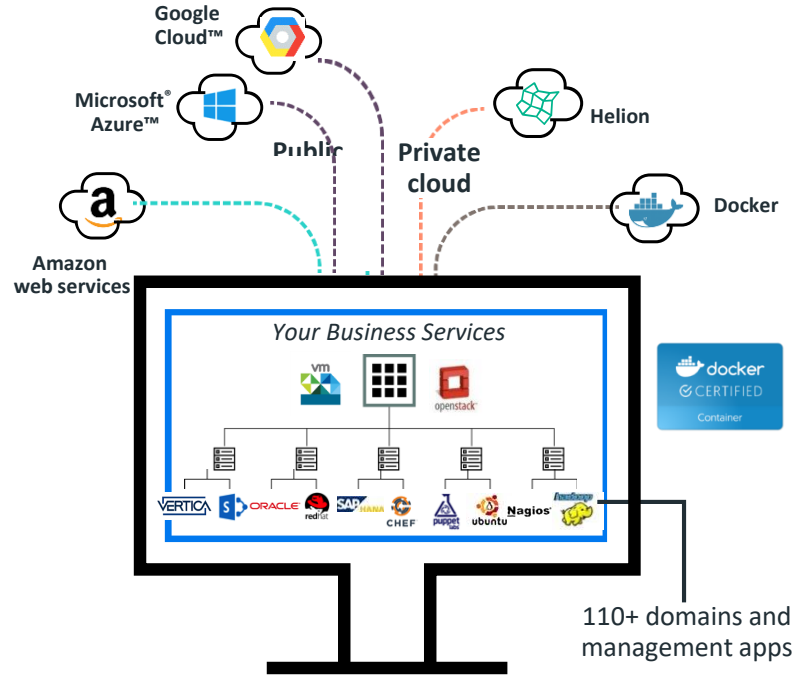
Automated, business-prioritized monitoring and service modeling

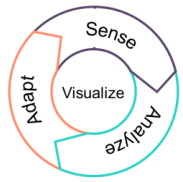
Business prioritization, run-time service models for
greater staff efficiency, reduced risks, faster MTTR



30-99% Event Reduction OOTB

Reduce costs and downtime
analysis and ticket generation for the right issues





Sense - Collect Once

A common data monitoring framework for Operations Bridge



Agent or Agentless collection

One technology for any type of data
Data (metric & log) streamed to server
Built on 20+ year experience



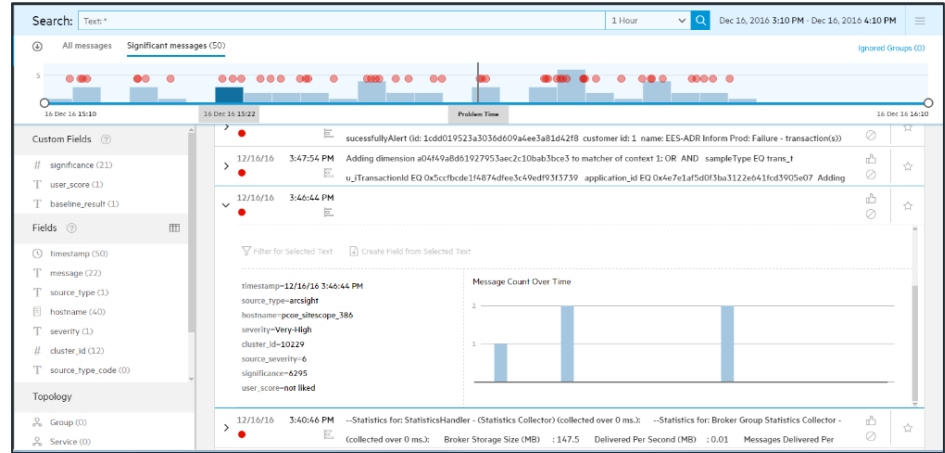
Automated monitoring

One Configuration technology
Proven over 24 years
scales to ~100k monitored systems



Provide Core Analytic Value

Search, Analytics & Anomaly detection

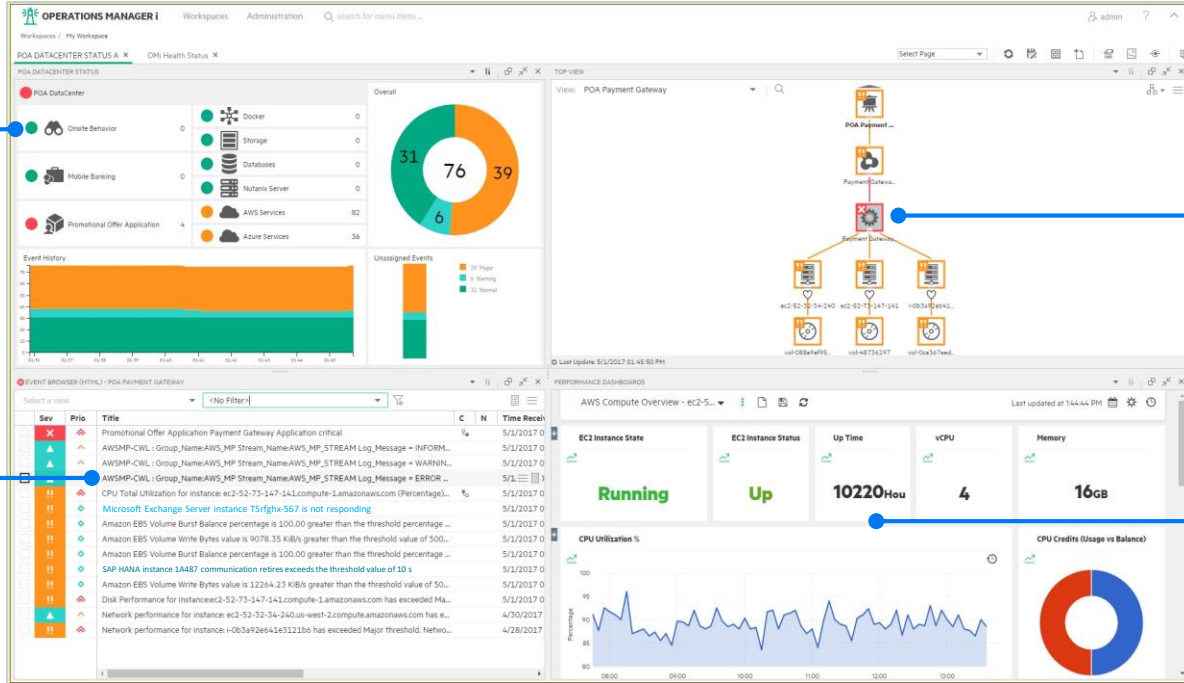


*Agent based Log Streaming feeds
Operations Bridge Analytics*

Sense - integrate your tools and technologies

Health indicators and watch lists group KPIs to focus attention on business impact

No rip and replace, consolidated Events from 110+ tools and technologies



Dynamic updates exploit topology data from integrated tools, status show business prioritization

HTML 5 highly customizable for role and/or domain specific dashboards

Sense - automated discovery and monitoring of hybrid IT

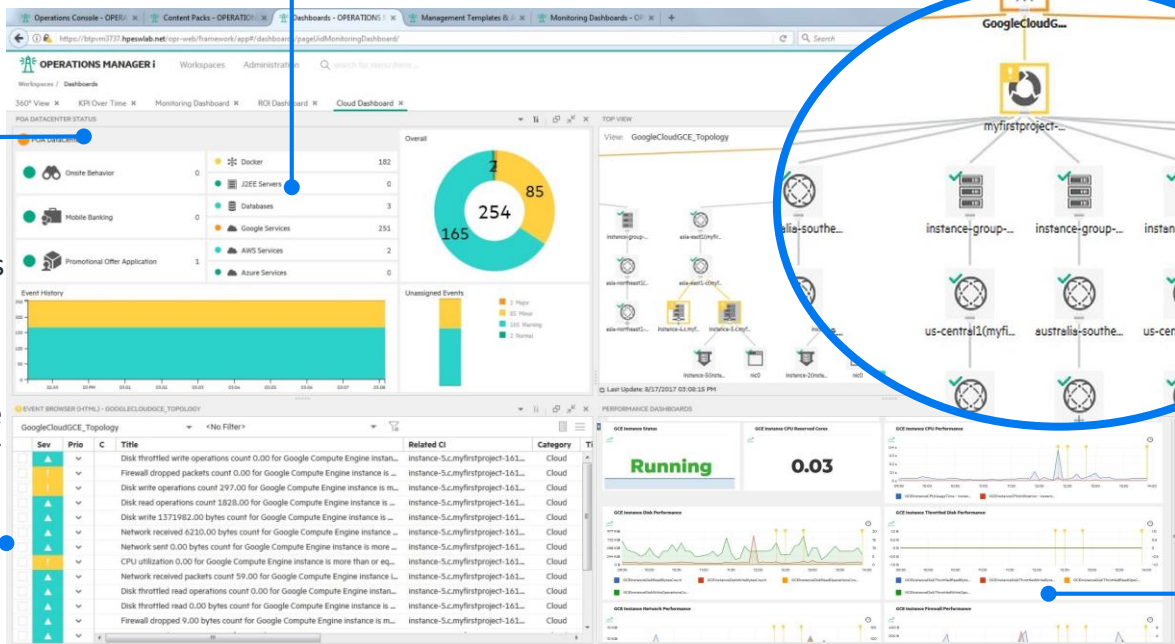
Container and hybrid cloud services visualized – including AWS, Azure and Google

Domain specific customizable watch roll up events to attract operators attention

Service tree automatically populated for AWS, Azure and Google Cloud topologies

KPI grouped into domain and customizable health indicators

Context aware event browser showing root cause



Customizable domain specific performance analytics dashboards group and visualize all data for the chosen domain

Analyze - automate analytics of all your data

Big Data driven Analytics

Machine learning driven
Automated Log and Event Analytics

Interactive *Time Machine* replays
scenarios to find root cause

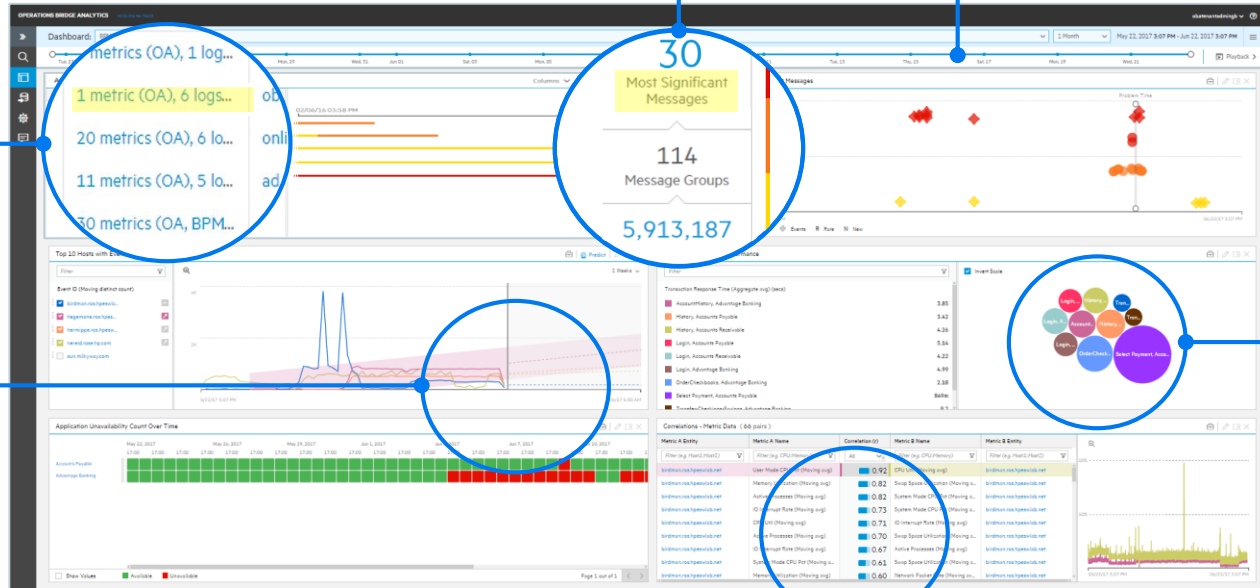
Zero-configuration
Anomaly
Detection

Understand your
data quickly with
flexible analytic
visualizations

Predictive
analysis and
self-learning
algorithms

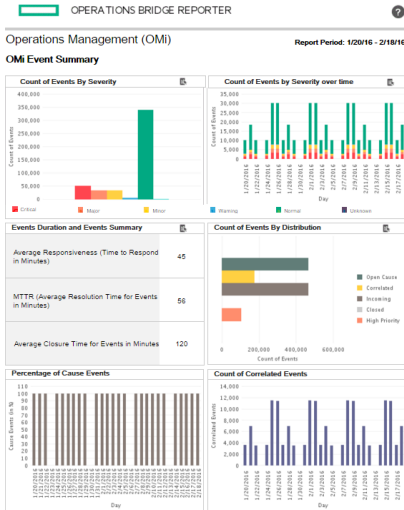
Reveal correlation between
metrics with automatic pairing

> 50 Patents

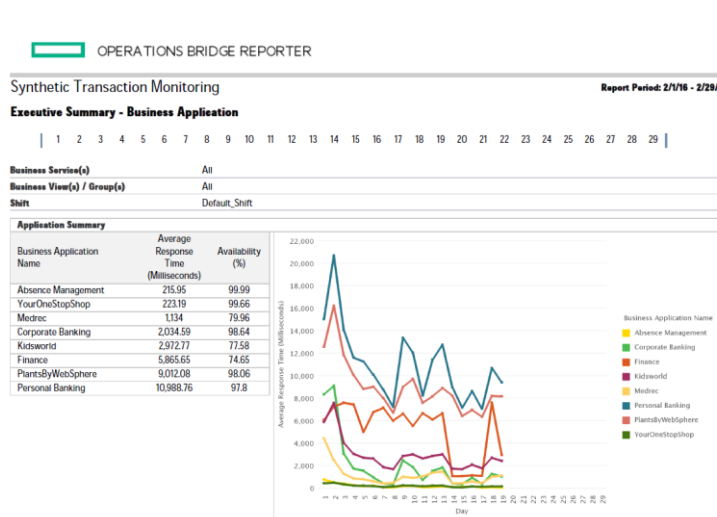


Analyze – Operations Bridge Reporter

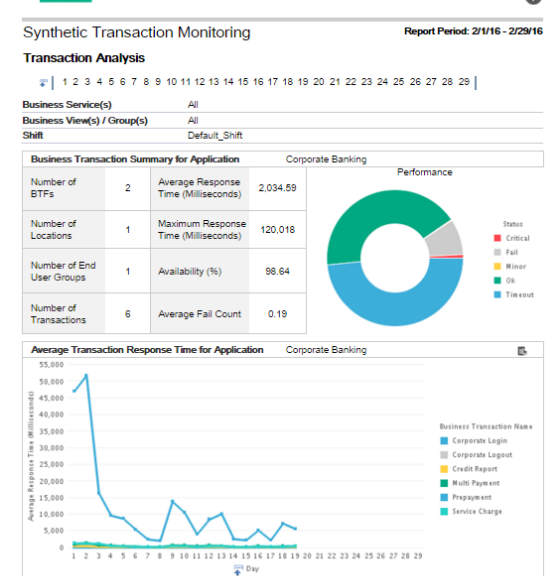
OMi event summary



Executive summary – Business Application

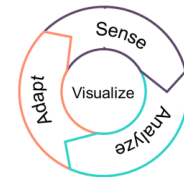


Transaction Analysis



Analyze - executive visibility - Business Value Dashboard

10x faster to design attractive dashboards, tablet-ready for stakeholders



Overlay dynamic bar charts and images

Business plus IT KPI and status sourced from anywhere

Design your own combining charts, graphs, images in minutes using standard office tools



Rich widget library and BYO widgets, connect them to any data source

Embed video streams, TV channels, RSS feeds and SoMe

Automatically scale to serve 100's of dashboard users

Real time sub second refresh to see what's happening as it happens

Rich content contributions available at [ITOM Marketplace](#)

Adapt - new concepts with Operations Bridge

Next Gen Robotized Detect to Correct Process – Chat Ops



Collaborate

with SMEs, teams and systems
Give access to cross domain reports



Utilize Knowledge

Preserve as a knowledge base
Use for future analytics



Automate

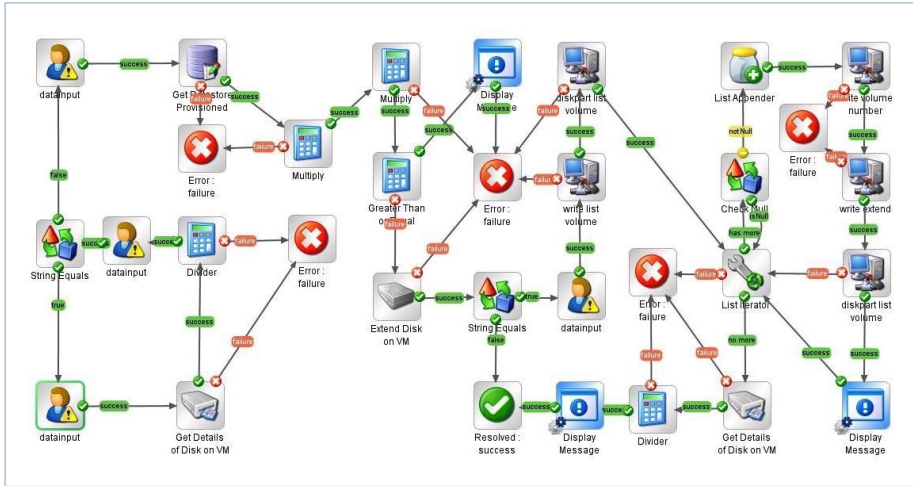
Interact with systems via bots
OpsB bot available among others

The screenshot shows a Slack channel named #general. The chat history includes a message from opsbot BOT at 10:32 AM: "New major event on output Batch upload for TAX data on db-srv-1...". A user named stefanf responds with "@opsbot: oml run db-srv-hr1 top". Another message from opsbot BOT at 10:32 AM says "Tool started...". Below this, a terminal window displays system statistics and a process list. The diagram overlay shows a central HUBOT icon connected to a Chat Tool box (with buttons for 'Fix me / ticket', 'Diagnosed', and 'Repaired'), a Portal box, a Service Desk box, and two OpsBridge boxes. Above the chat, icons represent roles: Consumer, Help Desk, IT Ops, and Developer. The terminal output includes the following table:

PID	USER	PR	NI	VIRT	RES	SHR	S	NCPU	MEM	TIME+	COMMAND
13417	root	20	0	6413m	1.1g	47m	S	17.6	9.5	80:23.17	top
1348	root	20	0	609m	14m	6184	S	7.0	0.1	26:36.82	top
15410	root	20	0	3539m	236m	23m	S	5.9	2.0	9:44.35	top
13356	root	20	0	3920m	328m	23m	S	7.0	0.0	80:00.00	top
14092	root	20	0	5347m	2.1g	43m	S	0.0	0.0	0:00.00	top
15496	root	20	0	3517m	228m	25m	S	1.0	0.0	0:00.00	top
16616	root	20	0	4653m	772m	20m	S	1.0	0.0	0:00.00	top
1	root	20	0	1935m	1372	1152	S	0.0	0.0	0:00.00	top

Adapt - automated remediation

From workflows, native tools to simple scripts



5000+ powerful automated workflows accessible out of the box

Add Premium Node to AWS Completed - Resolved ✓

Start Time: 3:16 PM
Duration: 12.513 seconds
User: omil

Flow ID: 38c7632a-1650-470b-8ea9-81b4c1facb09
Flow Name: Add Premium Node to AWS
Run ID: 158600278

Docker Container Stop
Run on host: wfvvm07997hpeswab.net

Execution: from 02:55:52 PM to 02:55:56 PM (4s)

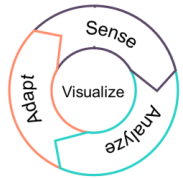
```
Command:  
/var/opt/ov/bin  
Output:  
3200efcafbec
```

System	Usage	Memory	Swap
AHV	30.29%	3.84GB	0.00GB
Nutanix 20150921	30.29%	3.84GB	0.00GB

System	CPU	Memory	Swap
AHV	9.3%	6.18%	27.41%
Nutanix 20150921	9.3%	6.18%	27.41%

Native tool interaction such as AWS, Azure, Google, Docker and Nutanix





Adapt - people, process and technology

Team collaboration

Put the “O” in DevOps
Real-time expert collaboration
to fix faster and grow skills
BVD for actionable insight

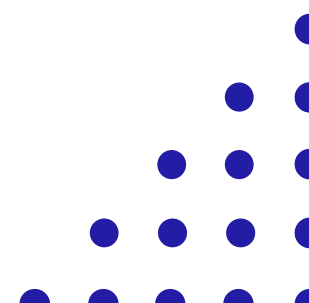
Adapt processes

Annotations grow operator
knowledge base
Refine IT processes based on
Chat interactions
OMi Exploration Maps unlock
unused product features

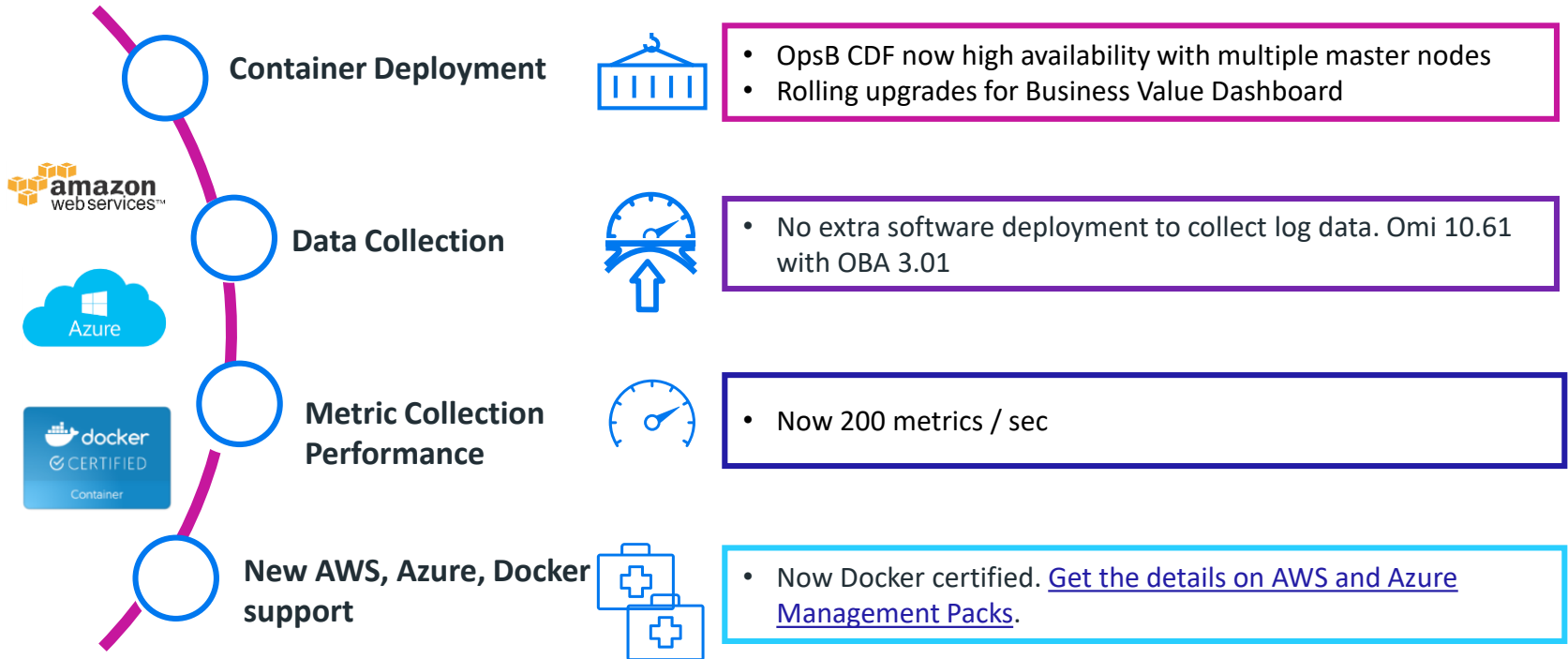
Automation technology

Lights-out IT management
Leverage 5000+ runbooks
for remediation
Seamless execution of native
commands (e.g, AWS, Docker,
Azure)

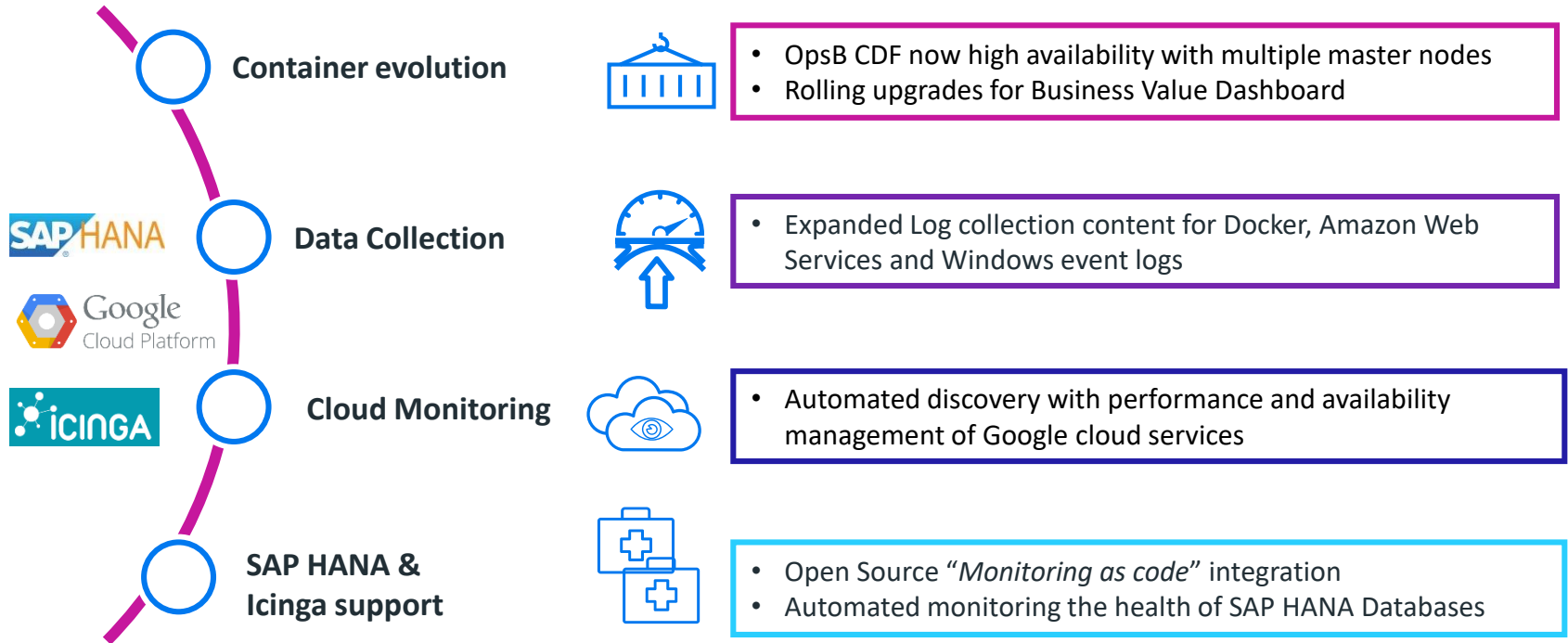
So what's new?



Operations Bridge Suite 2017.04



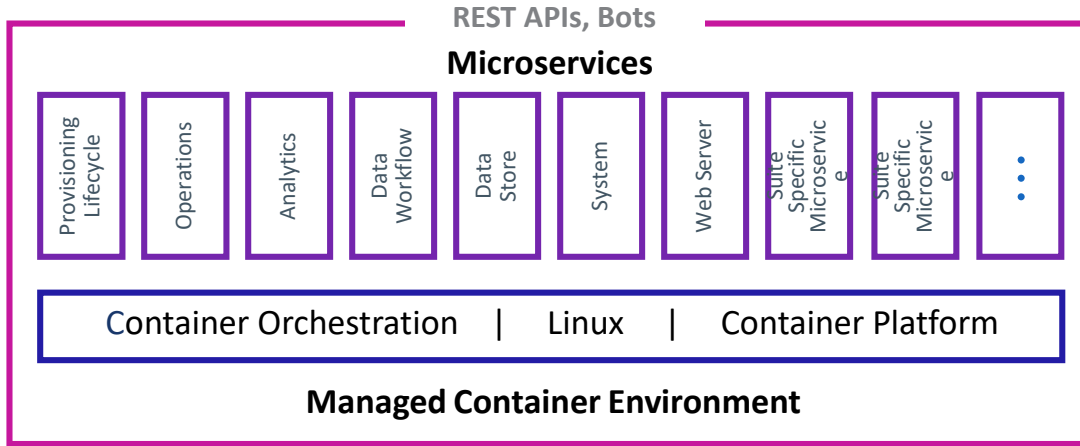
Operations Bridge Suite 2017.08







Container Deployment Foundation — modular, flexible, scalable

The future of IT Operations Management software

ITOM Suite



-  Pre-integrated containers, unified license model, and shared services
-  Easy to install, maintain and patch with zero downtime upgrades
-  Auto-scaling, HA/DR, self-healing and secure
-  Flexible Deployment Options

Time to integrate

2-3 weeks to
Few hours

Time to install/upgrade

2-15 days to
Few mins

Time to Scale

Months to
Pre-Built

Deployment Options

Fixed to
Flexible

Container-based OpsBridge software

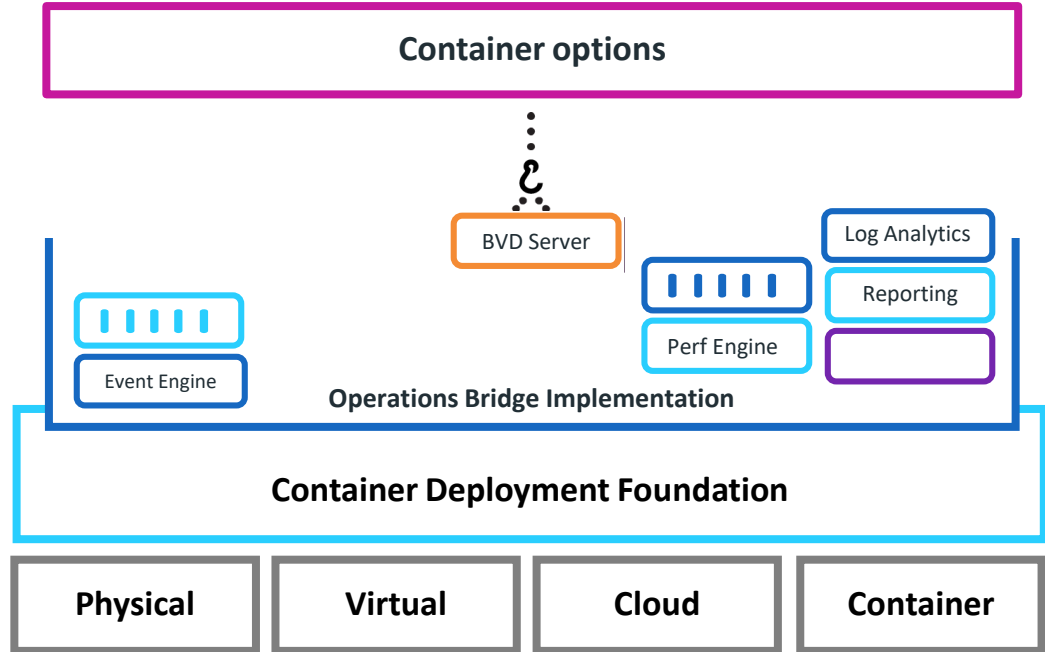
Container Deployment Foundation accelerates TTV, minimizes upgrade effort

Pre-integrated containers, unified license model, and shared services

Easy to install, maintain and patch with zero downtime upgrades

Auto-scaling, HA/DR, self-healing and secure

Flexible Deployment Options



Sense - collect Once: Log Streaming

Single technology framework for OpsBridge Data Collection - (Available in OBA 3.01 & OA 12.03)



Expand Agent collection

One technology for any type of data
Data (metric & log) streamed to server
Built on 20+ year experience



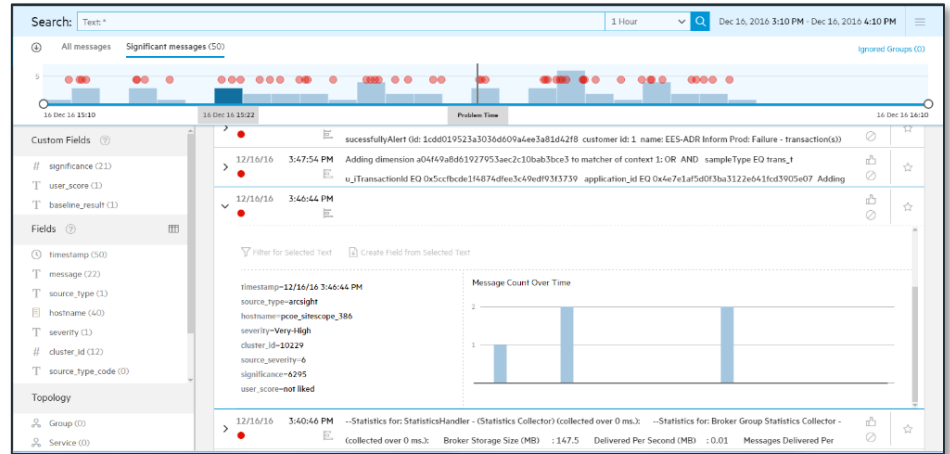
Central Configuration

One Configuration technology
Proven for ~100k systems



Enable Core Analytics Values

Search, Analytics & Anomaly detection



Hybrid Cloud Monitoring with Operations Bridge

Get your cloud investments under control



Hybrid Cloud Monitoring

- Collect performance & availability
- Connect to vendor or use own collection
- Cover end to end from HW to Applications



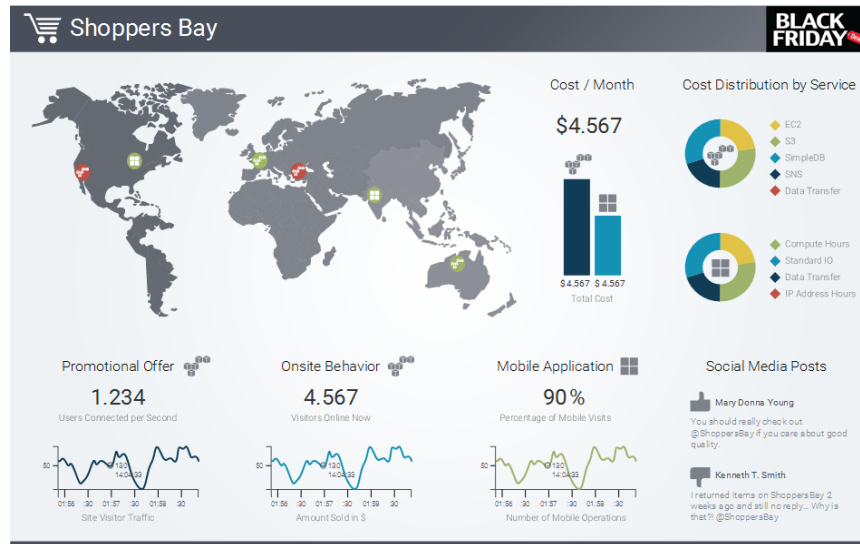
End to end service view

- Automated biz services discovery,
- Metal to App visibility & analysis
- Regular updated to keep current



Service Provider Policing

- Compare performance across clouds
- Compare SLAs across clouds
- Collect Cost metrics across vendors



NUTANIX



openstack



redhat



vm



HPE Helion



docker



Microsoft Azure



amazon web services

Ticket Sales This Month

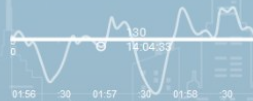
Azure

14 937

TOTAL



System Response Time



Booked Passenger Load

AWS



75% BOOKED

Least Booked Trains

Train IDs

#R-954-928-2

#R-954-928-3

#R-345-654-1

Train Health

2

TECHNICAL
ISSUES

1

WARNINGS

Delayed Trains This Month

19

%

\$2 936

COMPENSATION PAID

Mobile App

Azure

634

USERS ONLINE

MOBILE OPERATIONS

Weather Forecast



Sentiment



Most Viral Social Media Posts



Jane Doe

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt! #railway #freewifi @RailwayTX

734

3 384



John Doe

Ferrari Tangles With Train in Texas



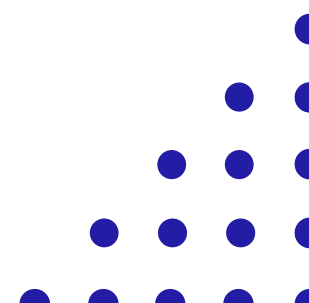
692

2 947

Demo



So what's coming?




Cloud Native OpsBridge

Current


Next

Future

Deployment
faster


No Hardware?
OpsBridge in Cloud 

Lightweight Sensor
Agent pulls policies  

Containerized OpsBridge in the cloud 

Benefits.....  ..faster path to value.....  ..faster path to data.....  ..faster path to resilience...

Application Awareness
end to end


Cloud Service Assurance Worldwide vantage points 


Big Data Cloud Service Insight  


Cloud Service Optimizer Cloud SLM 

Benefits.....  ..application visibility.....  ..application analytics.....  ..application optimization

Public Cloud Content
More flexible

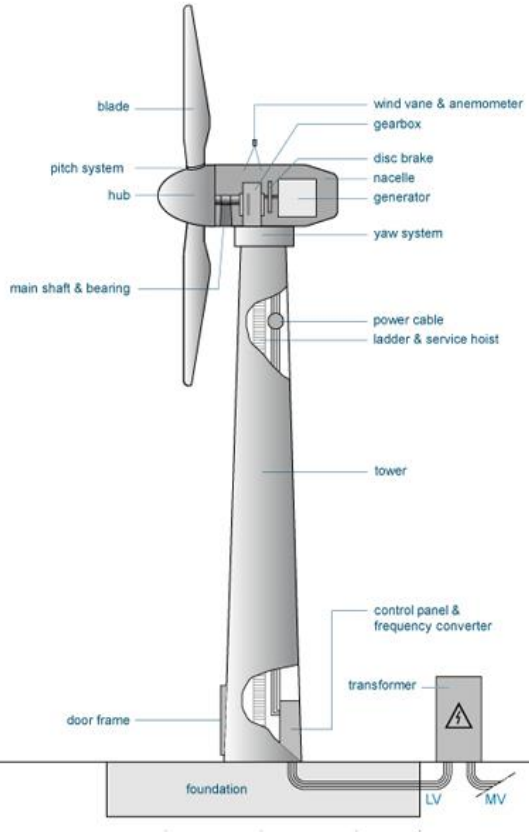
Infrastructure 

PaaS 

SaaS 

Benefits.....  ..more flexible infra.....  ..more flexible platform.....  ..more flexible apps

Operations Bridge Platform ready for IoT



- Condition Monitoring System / Controller
- Oil temperature
 - Gearbox vibrations
 - Rotor pitch angle
 - Automatic reset
 - Manual Start / Stop, Pitch
 - Power yield in watt
 - Status of grid connection
 - Voltage, frequency, phase

OpsBridge Windpark Solution

Sev	Pris	C	R	I	A	V	D	SL	Time Received	Title	Related ID	User	Group	Category
●	▲								202416 04:05:35 PM	Turbine stopped	London_Escort1_UK	WPM	Operation Center Wia	WindTurbine
●	▲								202416 04:05:34 PM	ATTENTION Rotor Blade long	London_Escort1_UK_rotor	WPM	Operation Center Wia	WindTurbine
●	▲								202416 04:05:32 PM	Turbine stopped	London_Escort1_Span	WPM	Operation Center Wia	WindTurbine
●	▲								202416 04:05:31 PM	ATTENTION Rotor Blade long	London_Escort1_Span_rotor	WPM	Operation Center Wia	WindTurbine
●	▲								202416 04:05:28 PM	Turbine stopped	London_Escort1_Germany	WPM	Operation Center Wia	WindTurbine
●	▲								202416 04:05:25 PM	ATTENTION Rotor Blade long	London_Escort1_Germany_rotor	WPM	Operation Center Wia	WindTurbine
●	▲								202416 04:05:19 PM	Maximum oil temp. exceeded	London_Escort1_Span_drive_train	WPM	Operation Center Wia	WindTurbine
●	▲								202416 04:05:17 PM	Maximum oil temp. exceeded	London_Escort1_Span_drive_train	WPM	Operation Center Wia	WindTurbine
●	▲								202416 04:05:16 PM	Maximum oil temp. exceeded	London_Escort1_UK_drive_train	WPM	Operation Center Wia	WindTurbine
●	▲								202416 04:05:02 PM	Security Incident insider Threat	London_Escort1	WPM	Operation Center Wia	WindTurbine

Realized outcomes by your peers

Efficiency

750 Man-hours savings/mon

80% IT processes Automated



Agility

50% More work with the same staff

4x Faster first time fixes



Innovation

33% Incident reduction

58% MTTR reduction



Software Services for Hybrid IT

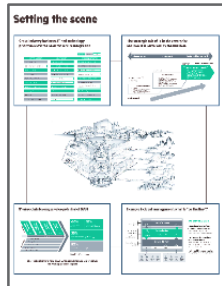
Guiding customers through their transformation journey

Strategic advisory

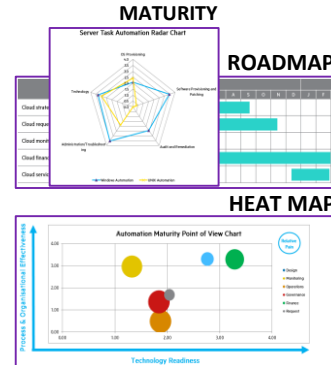
Value realization

Value optimization

Transformation Workshops

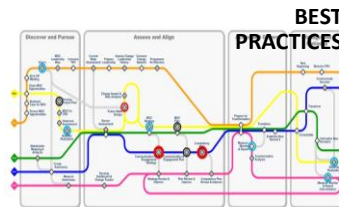


Maturity Assessment & Roadmap Services



Implementation Services

Agile OpsBridge service



OpsBridge Foundation service

Solution Management Services

Consumption based Services

As-a-Service

Enhancement Services

Solution Optimization

Maintenance & Administration

Reactive Services

Monitoring-as-a-service

Getting engaged

Solution Briefs



eBooks



Videos



Demos

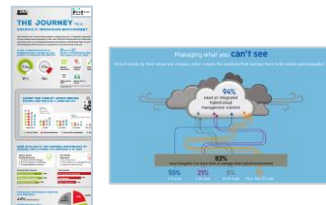


www.microfocus.com/opsbridge

Analyst reports



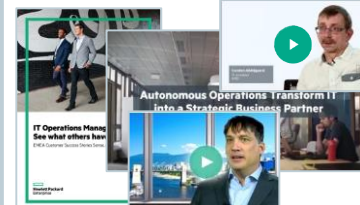
Infographics



OpsBridge Community



Customer stories



Which topics next OpsBridge SIGs meetings?

Please choose the topic you most want in the next OpsBridge SIG meeting (one choice only)

1. Customers presenting their stories
2. Technical drill down into an OpsBridge capabilities e.g. TBEC, OpsBridge Analytics, Business Value Dashboard¹
3. Integrations with 3rd party products¹
4. Demos¹
5. Industry data



¹ mention others important to you in the webinar questions/feedback

Upcoming Vivit Webinars

October 26, 2017

What's New in LoadRunner/Performance Center 12.55

8:00 - 9:00 AM PDT (Los Angeles), 11:00 AM - 12:00 PM EDT (New York), 17:00 - 18:00 CET (Frankfurt)

<https://vivitworldwide.site-ym.com/events/EventDetails.aspx?id=1018734&group=>

November 15, 2017

Digital Enterprises Need Adaptable and Fast ITSM Software at Low Cost

8:00 - 9:00 AM PDT (Los Angeles), 11:00 AM - 12:00 PM EDT (New York), 17:00 - 18:00 CET (Frankfurt)

<https://vivitworldwide.site-ym.com/events/EventDetails.aspx?id=1013862&group=>

YOUR INDEPENDENT MICRO FOCUS SOFTWARE USER COMMUNITY





Thank you
vivit-worldwide.org

