

# Operations Bridge

Micro Focus® Operations Bridge (OpsBridge) monitors your IT environment and consolidates data from existing tools. Operations Bridge applies automated discovery, monitoring, analytics, and remediation to data across traditional, private, public, and multi-cloud and container-based infrastructure. It exploits Big Data machine learning and analytics for event reduction and accelerated root cause identification and then executes automated remediation. It displays business and IT KPIs for executive stakeholders and operations staff, providing real-time actionable insight that scales dynamically.

## Product Highlights

### Hybrid Cloud Monitoring for the Digital Enterprise

Hybrid IT has quickly become the new normal, and IT operations teams are expected to offer both cloud and on-premises infrastructure options, whichever best meets the needs of the application or service. IT operations teams must adapt fluidly to new technologies, effortlessly adopt new cloud vendors and other services chosen by the business, and monitor new applications and application releases with increasing frequency—while seamlessly handling updates to existing application workloads. Further, IT operations needs to be able to be a partner to the business, speak their language, and show their value to the business.

Operations Bridge is on IT event and performance management, consolidation of data from multiple tools, analysis of all the data, automated remediation, and business-level display of the data in a single pane of glass. It allows you to improve efficiencies and is designed using new technologies such as containers and microservices. Operations Bridge is now easier to implement and upgrade, enabling you to provide flexible cloud services, and accelerate time to market for applications that will differentiate your organization.

### Deliver What the Business Needs When It Needs It

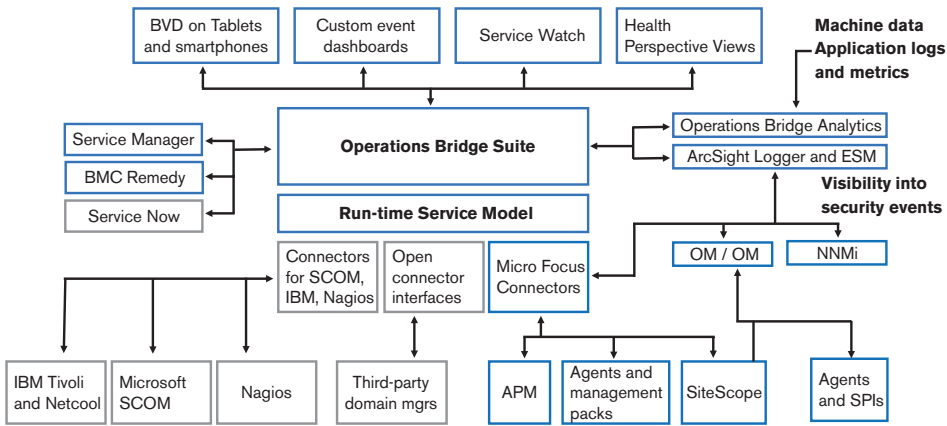
Designed to deliver real business value, OpsBridge integrates all your tools, automates manual tasks, focuses operations on the business services and users being impacted by automatically identifying root cause faster than ever before possible, predict future impact and then automate remedial action. Built in AIOps capable analytics drives historical analysis, applying machine learning and 50+ patented algorithms to logs, events, metrics, and topology so much more powerful than search alone.

### Key Benefits

- Increased effectiveness (time, money, resources) of tools and services
- Reduced effort and time to process service requests and resolve problems
- Confidence from the lines of business in IT's ability to deliver consistent, compliant services
- Business needs and strategy that are met on time and on budget, and in stronger collaboration with IT
- Reduced business risk, better service price performance, and accelerated time-to-market for new innovations

## Key Features and Benefits

- **Consolidate and reduce.** Event and performance management is consolidated to a single pane of glass. Operations Bridge integrates with more than 110 existing tools and technologies—no need to rip and replace existing tools.
- **Root cause and remediate.** Analytics-driven operational intelligence helps you predict issues before they happen, perform root-cause analysis, and remediate faster than ever before.
- **Visibility and dashboards.** Using a dynamically updated service model, OpsBridge visualizes root cause to the operators and delivers powerful insights for performance driven business decisions by linking IT performance and business outcomes in real time.
- **Hybrid cloud monitoring.** Automated hybrid IT monitoring discovers and activates monitoring of cloud resources, with "what-if" modeling to optimize resource usage.



**Figure 1.** Operations Bridge is a single consolidation console for all IT events.

## Key Features

### Sense Your Environment

Automated discovery and monitoring consolidates and exploits all your data types within a dynamically updated and accurate model. It shows what impacts what to ensure no new service goes overlooked and reduces setup latency with monitoring automation. Cover all your resources with 200+ integrations including event and topology data from Micro Focus AppManager. Solution templates and Management Packs provide deep rich domain specific monitoring data integrated into collect once store one technology (COSO), a containerized common data collection and storage for real time streaming data ingestion and processing.

### Analyze All Your Data

Operations Bridge incorporates all 11 AIOps capabilities, from agent-based intelligence and real-time performance analytics to multi-mode stream-based and topology-based correlation of event streams over time and across dependencies. IT experts advise that application of common COSO-like data ingestion and algorithmic Big Data driven analytics to all your data is the key to improving service excellence.

### Algorithmic IT Operations

Operations Bridge Analytics is based on 50+ patents for high-speed, high-volume data analysis. Automated log, metric, and event analysis, plus anomaly detection, proactively alerts operators to abnormal activity and uncovers the most relevant insights from hundreds of millions of records to help your team better prioritize. With “time machine” replay, which correlates disparate data over any time period and in relation with topology graphs, users can visualize with ease when the problem started and find the offending resource.

To enhance your control of virtualized resources and dynamically changing workloads, OpsBridge proposes optimized recipes of your resources. This gives you the ability to visualize resources, forecast their allocation impact, and master costs to set the right level of service.

**Adapting to changing circumstance is a core requirement for an agile organization. That’s the DevOps methodology, and OpsBridge supports it.**

### Adapt to the Situation

With more than 5,000 runbooks to choose from, including hundreds of out-of-the-box integrations to popular IT Service Management tools, OpsBridge simplifies and accelerates automation of tasks such as remedial actions, notifications, and recovery procedures. Orchestration of complex and conditional execution and rollback provides the means to strengthen compliance, remove manual errors, and develop Robotic Process Automation (RPA) to slash costs and drive compliance, releasing rare resources for more important business priorities.

Adapting to changing circumstance is a core requirement for an agile organization. That’s the DevOps methodology, and OpsBridge supports it with:

- A dynamically updating model that reflects the deployment of new application and infrastructure instances, automatically activating the required monitoring.
- Robotized features for ChatOps-based collaboration across operations and other teams.
- Automated tasks that are used to capture and share vital production information to the extended teams, as well as activating alternative configurations to keep your business on track.

### Lightweight Reporting and Analytics—Business Value Dashboard (BDV) Using COSO

The Business Value Dashboard (BDV) can exploit all the status and KPI data at your disposal to provide a TV-like, live channel of business and IT news that the BDV “paints” onto a tablet or any other device with a browser. Even better, the BDV software can display online information—such as internet news feeds, live programs, and streaming videos—in dashboard views developed using simple office tools. BDV can consume historical data stored in COSO,



preprocessing and analyzing that data before it is displayed for lightweight reporting.

## Real-Time Performance Analytics and Reporting

Operations Bridge Performance Engine and Dashboard provides highly scalable, real-time performance collection, analysis and graphing for hundreds of metrics. You can build and combine different metrics and IT status information into powerful dashboards that can be easily and quickly tailored into domain or contextually-specific dashboard mashups. Because the graphical designs are free to anyone to specify, the business and IT information you capture can be shown anywhere and at any place in the cascading dashboards, for all personas.

## Learn More At

Visit: [www.microfocus.com/OpsBridge](http://www.microfocus.com/OpsBridge)

Operations Bridge blog: <http://bit.ly/operations-bridge-blog>

## Operations Bridge Editions

Feature	Express	Premium	Ultimate
Agentless Event and Performance Management	X	X	X
Web and URL Monitoring	X	X	X
Hybrid Cloud Monitoring	X	X	X
Event Automation and Reduction		X	X
Service Impact & KPI Assessment		X	X
Guided & Canned Remediation		X	X
Automated Model Based Monitoring Deployment		X	X
110+ Third-Party Integrations		X	X
Standard Reporting		X	X
Business Value Dashboards		X	X
Synthetic End User Experience Monitoring		X	X
Advance Reporting			X
Advance Correlation			X
Flexible Runbook Remediation			X
Predictive & Anomaly Detection			X
Discover Hybrid IT Environments			X
Business Service Modeling			X
Capacity Planning & Optimization			X

## Supported Technologies

**Management Packs** are domain-specific add-ons to OpsBridge that provide pre-programmed intelligence for that domain.

### Infrastructure

AIX  
CentOS  
Cluster  
Debian  
HPE-UX  
HyperV  
IBM LPAR  
KVM  
Oracle Enterprise Linux  
RedHat  
Solaris  
Solaris Zone  
SUSE  
Ubuntu  
VMWare vSphere  
Windows  
XEN

### Databases

Cassandra  
Couchbase  
Apache CouchDB  
Informix  
Marklogic  
Microsoft SQL Server  
MongoDB  
MySQL  
Oracle Database  
Oracle RAC  
PostgreSQL  
Riak  
SAP Sybase ASE

### Microsoft Environments

Microsoft Active Directory  
Microsoft Azure  
Microsoft Exchange Server  
Microsoft IIS  
Microsoft SharePoint Server  
Microsoft Skype for Business

### SAP Environments

SAP  
SAP HANA

### Middleware

Apache ActiveMQ  
Apache Kafka  
Apache Tomcat  
Apache Web Server  
Glassfish  
IBM WebSphere Application Server  
iPlanet  
JBoss  
Memcached  
Oracle Weblogic Application Server  
Rabbit MQ  
Redis  
Varnish

### Cloud

Amazon Web Services  
Microsoft Azure  
Google Cloud Platform  
OpenStack  
Kubernetes

### Big Data

Apache Falcon  
Apache Flume  
Apache Oozie  
Apache Spark  
Apache Storm  
Apache Zookeeper  
Hadoop (Apache, Cloudera distributions)  
HBase  
Micro Focus Vertica Database  
Solr

### Application Platforms

Docker (certified)  
Node.js

### Automation

Chef  
Jenkins

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**Swiss Mobiliar decreased incidents by 58% in two years.**  
**“The CEO is looking at the Business Value Dashboard every day. We made a significant change in the perception of our IT department, now we’re on the same level as the line of business.”**

**THOMAS BAUMANN**

IT Performance Architect  
 Swiss Mobiliar

[www.microfocus.com](http://www.microfocus.com)

## Supported Technologies

*continued*

### Generic

BIND  
 DHCP  
 File Change Monitor  
 FTP server  
 Generic SMTP  
 JMX  
 Microsoft .NET  
 openssh  
 Perfmon  
 SNMP

### Load Balancer

HAProxy  
 Nginx

### Partner

IBM AS/400  
 IBM DB2  
 IBM Mainframe

### Web Server

gUnicorn  
 HTTP  
 Lighttpd

### Others

Github  
 Postfix

**Integrations** are connectors to other tools that bring in their data for display and analysis:

Ambari  
 AppDynamics  
 Aternity  
 BMC Impact Manager  
 BMC Remedy  
 CA Spectrum  
 Cherwell ITSM  
 CollectD  
 DynaTrace APM (Compuware)  
 Dynatrace Data Center RUM (Do IT WiSE)  
 Dynatrace Data Center RUM (J9)  
 Dynatrace Synthetics (Do IT Wise)  
 ExtraHop Networks  
 Helion Monasca  
 HEP OneView  
 HPE Systems Insight Manager  
 IBM NetCool  
 IBM Tivoli (J9)  
 Micro Focus APM  
 Micro Focus AppPulse Active / Mobile  
 Micro Focus ArcSight Logger / ESM  
 Micro Focus Network Node Manager i (NNMi)

Micro Focus Operations Manager for UNIX  
 Micro Focus Operations Manager for Windows  
 Micro Focus Service Manager  
 Micro Focus Universal CMDB  
 Microsoft SCOM  
 Nagios  
 New Relic  
 Nutanix  
 Oracle Enterprise Manager  
 Propel Service Exchange  
 RemedyForce / Salesforce  
 SAP Solution Manager  
 Service Anywhere  
 ServiceNow (AppLink)  
 ServiceNow (Do IT WiSE)  
 Solarwinds Network Performance Monitor  
 Solarwinds Server and Application Monitor  
 Splunk  
 VMware vCenter Operations Manager  
 VMware vRealize Operations (VROPS)  
 xMatters  
 Zabbix  
 Zenoss



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