

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.

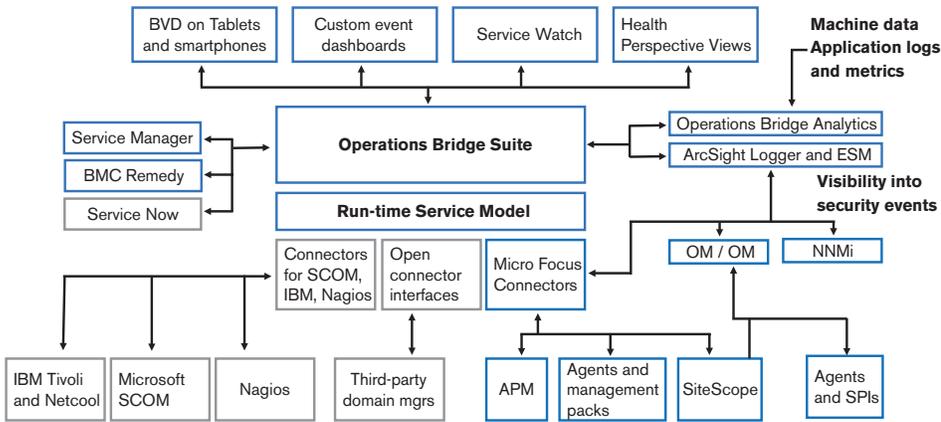


Figure 1. Operations Bridge is a single consolidation console for all IT events.

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 (BVD) 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 BVD “paints” onto a tablet or any other device with a browser. Even better, the BVD software can display online information—such as internet news feeds, live programs, and streaming videos—in dashboard views developed using simple office tools. BVD 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

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

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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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