

Operations Bridge

Micro Focus® Operations Bridge (OpsBridge) monitors your IT environment and consolidates data from existing tools. It applies automated discovery, monitoring, analytics, and remediation to data across traditional, private, public, and multi-cloud and container-based infrastructure. It exploits Automated AIOps machine learning and analytics for event reduction and accelerated root cause identification and then executes automated remediation. Executive stakeholders gain actionable insight on their mobile devices with tailored dashboards showing key status, business and IT KPIs.

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.

OpsBridge exploits all AIOps capabilities to consolidate and analyze all your data. It reduces event volumes, isolates root cause, performs robotized process automation to remediate and visualizes in real time in a single pane of glass. It allows you to improve efficiencies and is designed using new technologies such as containers and microservices. OpsBridge 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

- **Automate hybrid IT discovery & monitoring.** See health and impact of IT resources across private & public cloud
- **Consolidate data and reduce noise.** Across all data types from 200+ domains, feed signals to AIOps
- **Automate AIOps & robotize remediation.** Build a virtual workforce with automated remedial actions and processes
- **Analyze application health.** Automate anomaly detection and adjust to meet business SLAs
- **Customize dashboards & reporting.** Provide actionable insight in real-time for faster decisions

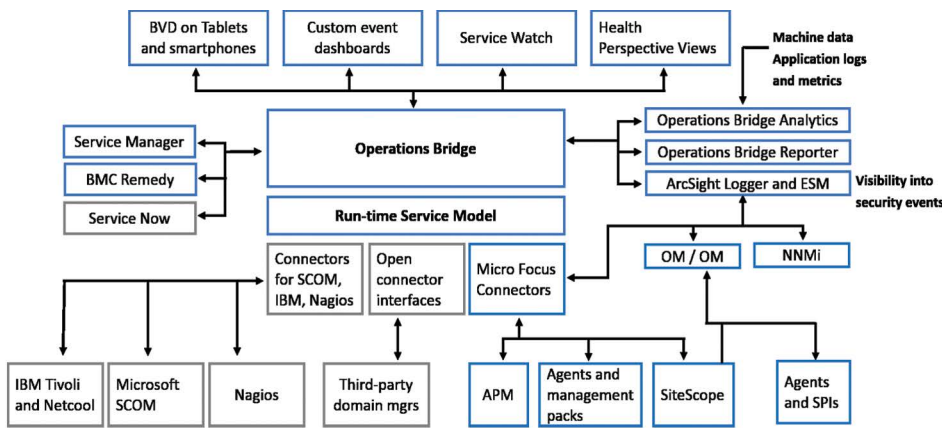


Figure 1. OpsBridge is a single consolidation console for all IT events.

Key Features

Automate Hybrid IT Discovery and Monitoring

Discovery and monitoring consolidates and exploits all your data types (events, metrics, logs and topology) within a dynamically updated and accurate model. It shows the impact of incidents, ensuring no new service goes overlooked with dynamic top down and bottoms up service modeling and with monitoring automation.

Aggregate all our your Hybrid IT resources into a single view with 200+ technology integrations. OpsBridge solution templates and management packs provide deep rich domain specific monitoring including: infrastructure, databases, Microsoft environments, SAP environments, middleware, cloud, big data, application platforms, automation, load balancers, and web servers (see table on page 3). The data is integrated into collect once store one technology

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

(COSO), a containerized common data collection and storage for real time streaming data ingestion and processing.

Consolidate Data and Reduce Noise

IT experts advise that application of common data ingestion and algorithmic Big Data driven analytics to all your data is the key to improving service excellence.

OpsBridge includes analytics and 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.

Automate Alops

OpsBridge 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.

Robotize Processes and Remediation

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.

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- 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 teams and tools such as SiteScope, OpsBridge Reporter and Operations Orchestration
- 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.

Analyze Application Health

OpsBridge provides probes dispersed across the world, to measure service quality, control SLAs, and application health. That data is also fed to COSO, processed by the AIOps based analytics, and shown in reports and dashboards.

Customize Dashboards and Reporting

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. BVD software can display online information—such as internet news feeds, live programs, and streaming videos—in views developed using popular office

tools. BVD can consume historical data stored in COSO, preprocessing and analyzing that data before it is displayed for lightweight reporting. BVD-in-3 provides 3 quick and easy steps to configure tailored dashboards in minutes.

OpsBridge Performance Engine and BVD provide highly scalable, real-time performance collection, analysis and graphing for hundreds of

metrics and consume data from COSO. 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.

Learn More At

Visit: www.microfocus.com/OpsBridge

OpsBridge blog: tiny.cc/opsbridge-blog

Supported Technologies

Management Packs are domain-specific add-ons to OpsBridge that provide pre-programmed intelligence for that domain, domain specific reports and correlation rules. Full details can be found [here](#).

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 Services (EC2, EBS, ECS, Dynamo DB, Beanstalk Services, AWS Service Status, RDS, ASG, ELB, SQS, RedShift, KMS, S3, AWS Billing, AWS Service Health Dashboards)
Microsoft Azure (Azure Data Factory, Azure Data Lake, Virtual Machines, Azure SQL, Storage Account, Azure App Service Plan, Azure Web Apps, Azure Active Directory Discovery, Activity Logs, Windows Activity Logs hosted on the Azure environment, Azure Load Balancer, Multi Instance support for Storage account service)

Cloud *continued*

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

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

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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

OpsBridge Editions

Feature	Express	Premium	Ultimate
Automate Hybrid IT Discovery & Monitoring			
Agentless Event and Performance Management	X	X	X
Web and URL Monitoring	X	X	X
Agent Based Deep Monitoring		X	X
Consolidate Data and Reduce Noise			
Event Automation & Reduction		X	X
Service Impact & KPI Assessment		X	X
Automate AIOps & Robotize Remediation			
Topology Based Event Correlation			X
Flexible Runbook Remediation and Orchestration			X
Predictive & Anomaly Detection			X
Capacity Analytics and Optimization			X
Operational Discovery			X
Enterprise ChatBot	X	X	X
Analyze Application Health			
Synthetic End User Experience Monitoring	X	X	X
SaaS Application Monitoring	X	X	X
Customize Dashboards & Reporting			
Business Value Dashboards		X	X
Standard Server Reporting		X	X
Advanced Cross Domain Reporting			X
ITOM Platform			
Container Deployment		X	
ChatOps Integration	X	X	X

Supported Technologies continued

Micro Focus ArcSight Logger / ESM
 Micro Focus AppManager
 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