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, multi-cloud and container-based infrastructure. OpsBridge automates AIOps with machine learning and analytics which reduces events, and accelerates root cause identification and 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 always meet the needs of the business. That means they have to be able to offer both cloud and on-premises infrastructure options to support critical business applications and services. They must adapt fluidly to new technologies, and effortlessly adopt new cloud vendors and other services chosen by the business. They must be able to monitor new applications and releases with increasing frequency while seamlessly handling updates to existing application workloads. Finally, IT operations must provide data in context that makes sense to the lines of business leaders. All of these are imperative requirements for IT operations to meet if they are going be seen as a valuable partner to today's digital enterprise.

OpsBridge exploits AIOps capabilities to consolidate and analyze all your data. It reduces event volumes, isolates root cause, and applies robotized process automation to remediate issues. OpsBridge is now easier to implement and upgrade because it is built on containers and microservices. This architecture accelerates time to market and helps you gain competitive advantage. Best of all, OpsBridge brings all these capabilities together in a single pane of glass, allowing you to see a complete picture of your business in real-time.

Deliver What the Business Needs When It Needs It

Designed to deliver real business value, OpsBridge integrates all your tools, automates manual tasks, and focuses operations on the business services and users being impacted. It performs these actions by automatically identifying root cause faster than ever before possible, predicting future impact and then automating remedial actions.

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

- **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.** Proactively monitor and manage end user experience to catch problems before your users do.
- **Customize dashboards & reporting.** Provide actionable insights in real-time for faster decision making
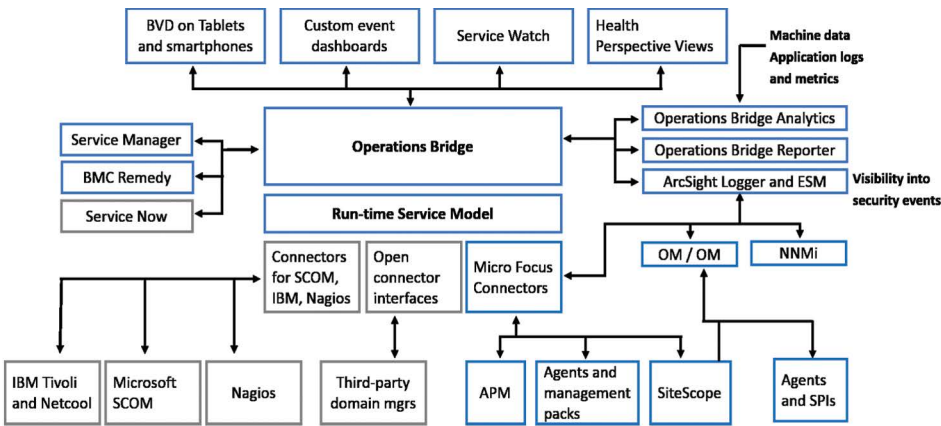
Figure 1. OpsBridge is a single consolidation console for all IT events.

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.

Consolidate Data and Reduce Noise

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

Automate AIOps

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. Enterprise Management Associates (EMA) has awarded Micro Focus OpsBridge leader status in their recent report "Leaders in Advanced IT Analytics (AIA): A Buyer's Guide for Investing in Innovation." Read more here.

OpsBridge takes the advice from IT experts a step further by providing automation behind log, metric, and event analysis. It provides these capabilites with built in AIOps analytics that are based on 50+ patents for high-speed, high-volume data analysis. It conducts analysis across agent-based intelligence and real-time performance data, as well as multi-mode stream-based and topology-based correlation of event streams overtime and across dependencies. Anomaly detection proactively alerts operators of abnormal activity and uncovers the most relevant insights from hundreds of millions of records to help your team better prioritize.

OpsBridge also enhances your control of virtualized resources and dynamic workloads by proposing optimized recipes. This gives you the ability to visualize those resources, forecast their allocation impact, and master costs to set the right level of service.

Robotize Processes and Remediation

With more than 8,000 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 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 analyze application health. That data is also fed to our data lake COSO, and is 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 live channel of business and IT news. The BVD "paints" this data onto a tablet or any other device with a browser. BVD software can display online information—such as RSS 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. You can also use your own businss intelligence tools to report on data from COSO.

Supported Technologies

Management Packs are domain-specific add-ons to OpsBridge that provide pre-programed intelligence for that domain, domain specific reports and correlation rules. Full details canbe 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
HPE OneView
HPE Systems Insight Manager
IBM NetCool
IBM Tivoli (J9)
Micro Focus APM
Micro Focus AppPulse Active / Mobile

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

Contact us at:
www.microfocus.com

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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 Plaform			
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

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

Learn More
Visit: **www.microfocus.com/OpsBridge**

OpsBridge blog: **tiny.cc/opsbridge-blog**

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