Infrastructure Intelligence Platform

Make way for Uptime with Powerful Network Management Platform

IDC — Notable Vendor, Network Monitoring

INFO-TECH RESEARCH GROUP — Leader, Network Monitoring Data Quadrant

Business Challenges

Multiple IT tools Lack Holistic Visibility

It is important for large enterprises who operate large data centres, server farms, and corporate networks having thousands of connected devices from multiple vendors, to manage their IT Infrastructure (PCs, workstations, file servers, printers, routers, hubs, firewalls, etc.) for minimum downtime. Today's network are much more complex and dynamic when compared to olden days.

In today's environment, managing multiple network components using multiple tools makes the whole process cumbersome to keep environment safe, secure and optimized. Because of the increased network complexity it necessitates the use of sophisticated and automated network management tools.

Motadata Solution

Delivering End-to-End Unified Network Performance Management

Motadata's Network Monitoring Solution (Infrastructure Intelligence Platform - IIP) proactively monitors & optimizes all network devices, servers and applications across IT infrastructure to manage network for fault and performance for maximum uptime. The platform collects, discovers and indexes data from multiple sources including databases, webservers, containers, virtualizations, URL, cloud services, middleware etc.

The platform is built for every member of the IT team to monitor, track, and deliver uninterrupted business service. It enables its users to search, visualize & analyse the data on various critical metrics with the help of customizable dashboards and widgets to extract powerful operational intelligence. Motadata uses unique data model to cut through data flood and quickly detect what matters most to run IT more effectively.

Features

- Unified Monitoring with unanticipated simplicity
- User friendly GUI
- Topology mapping of IT infrastructure
- Network performance & availability monitoring
- Open architecture - Future Ready Solution
- Configuration Management
- Fault & Performance Management
- Distributed Monitoring (RPE)
- Role based access for file integrity
- Automated Network Discovery
- Network / Access / Vendor Agnostic

Benefits

- Mitigate potential network outages before it affects your business operations
- Correlate, integrate & visualize all sort of IT data using native apps on single platform
- Highly flexible product suite that can be customized as per user needs
- Lower TCO with 50% reduction in hardware cost with better hardware performance
- Detect, identify, analyse & troubleshoot network issues with proactive alerts & remedy actions
- Understand trends, patterns & behaviour to make more informed decisions
- Experience faster response time & utilize less disk space with columnar database
- No time limits on actual data retention
- The elastic distributed deployment easily scales with multiple remote pollers

360-Degree Visibility over IT Infrastructure

Network Monitoring
- Firewall
- Router
- Switch
- Wi-Fi
- Generic SNMP device

Database Monitoring
- Oracle
- MSSQL
- MySQL
- SAP Hana
- PostgreSQL
- IBM DB2
- Sybase

Virtualization Monitoring
- VMware
- Microsoft Hyper-v
- Citrix Xen

URL Monitoring
- HTTP
- HTTPS

Cloud Monitoring
- AWS
- Google App Engine
- Microsoft Azure

Server Monitoring
- Windows
- Linux
- Redhat
- HPUX
- IBM AIX

Email Monitoring
- SMTP
- Symantec Gateway
- Exchange

Application Server Monitoring
- JBOSS
- Weblogic
- GlassFish
- Tomcat

Web Server Monitoring
- Microsoft IIS
- Nginx
- LIGHTTPD
- Sun Web
- Apache HTTP

Middleware Monitoring
- DNS
- ActiveMQ
- LDAP

Platform Monitoring
- Java
- .Net

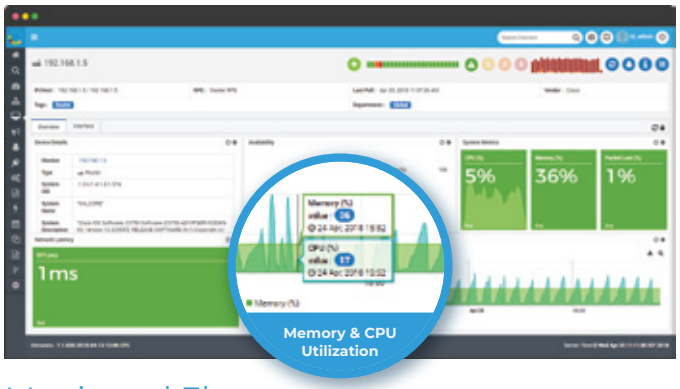
Services
- Ping
- NTP
- Port
- SSL Certificate
- FTP
- Domain
- Radius

Network Monitoring

Motadata helps deliver critical operational analytics for end-to-end visibility across IT infrastructure. It provides in-depth insights into events, faults, configurations, capacity and the security of your network elements, whether in datacentres, cloud or distributed infrastructures.

Key Highlights

- Gain visibility on overall network performance with more than 100 pre-defined report
- Detect, identify, analyse and troubleshoot network issues with proactive alerts & remedy actions
- Monitor network devices & gain complete visibility and control over IT infrastructure
- Measure critical metrics in real time like errors, packet loss, & discards etc.
- Get real-time network traffic of any generic SNMP device, right from metrics to alerts.

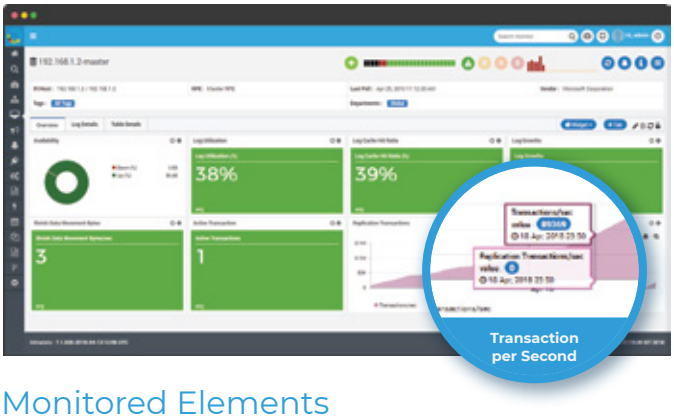


Monitored Elements

- Firewall
- Wi-Fi
- Router
- Switch
- Generic SNMP Device

Database Monitoring

Motadata works as a comprehensive and effective database monitoring software tool implementing mission-critical database monitoring. The platform displays overall health and availability of databases across entire IT infrastructure allowing users to analyse database performance in depth. Find out database performance bottlenecks and resolve them by identifying the database component causing issues. Collect and index data from relational databases for end to end operational insights.



Monitored Elements

- Oracle
- PostgreSQL
- SAP Hana
- MySQL
- IBM DB2
- MSSQL
- Sybase

Key Highlights

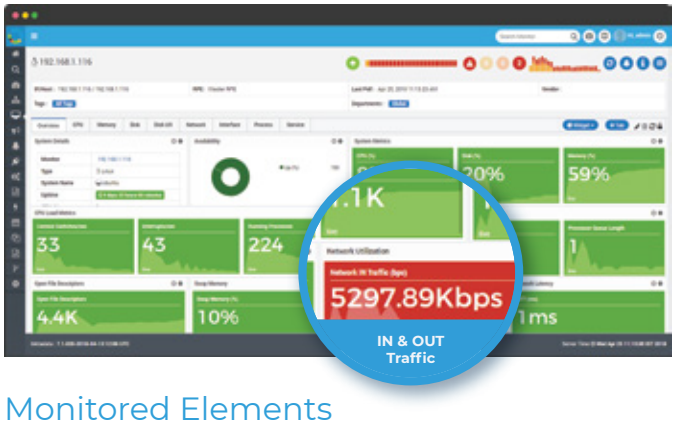
- Visualize end-to-end database performance and get notifiedwith alerts whenever database thresholds are violated
- Monitor key performance metrics like top users, programs, SQL objects resource consumption, database objects, schema statistics and more.
- Check & evaluate execution plans for slow SQL to isolate performance bottlenecks
- Monitor all databases from one central platform, no need for separate database monitoring tools for different databases

Server Monitoring

Motadata provides comprehensive insights into performance and availability of servers by monitoring, alerting, and reporting the overall server health. The platform supports multiple hardware vendors, and has server management capabilities that allows users to customize the dashboards & visualize key metrics to be monitored. The server monitoring software has the capability to monitor all types of IT infrastructure servers in both consolidated and distributed workload conditions from a single web console.

Key Highlights

- Monitor key Server performance metrics of critical server performance parameters like hard disk capacity, CPU utilization, memory utilization and bandwidth utilization etc.
- Access real-time centralized visibility across entire Server and end-user infrastructure
- Maintain compliance of updates and server usage
- Drive rapid issue identification and achieve maximum uptime



Monitored Elements

- Windows
- HPUX
- Linux/Unix
- IBM AIX
- Red Hat

Virtual Machines Monitoring

The virtualized infrastructure makes difficult for IT administrators to manage different applications and multiple system performances leading to lower visibility into transaction flows, which disrupts the defined business processes. Motadata empowers users to manage the complexity of a virtualized infrastructure with ease. The platform offers monitoring capabilities that goes beyond basic virtualization monitoring and helps IT professionals keep track of the user experience, before and after virtualizations. Get insights on the performance of virtual infrastructure, troubleshoot and resolve problems before end-users are affected.

Monitored Elements

- VMware
- Microsoft Hyper V
- Citrix Xen

Key Highlights

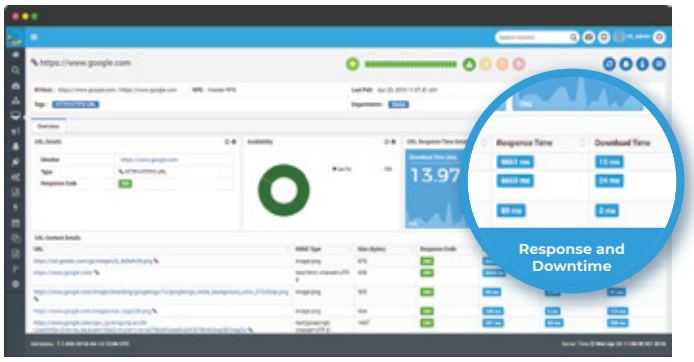
- Visualize operational health of virtualized environment with proactive detection of underperforming hosts, VMware & data stores
- Instantly identify outliers on the dashboard of your VMware environment
- Analyse resource utilization & optimize capacity for cost savings
- Gain insight into the potential security incidents and noncompliant usage patterns
- Explore untapped exceptions and errors by relating granular performance metrics with VC and log data through a single console

URL Monitoring

Motadata ensures its client's websites are always up and running in today's internet economy. Performance monitoring of website is critical to proactively identify & resolve issues, before they actually escalate and lead to downtime and loss of revenue. The monitoring tool tracks the performance of the web applications at diverse times, check pages behind a login page with its URL monitoring functionalities. It records a series of HTTP requests and configures it to be tracked at customary time intervals using the **HTTP, and HTTPS** requests, from an end-user viewpoint

Key Highlights

- Make sure your URLs are reachable and serving pages & monitor the health and availability of all the public websites as well as the web-based applications running in on the Intranet
- Prevent websites from attacks from hackers, by simply relying on availability checks
- Monitor important webpages and application that require user authentication or login
- Make sure that your databases are up and running along with your webpage

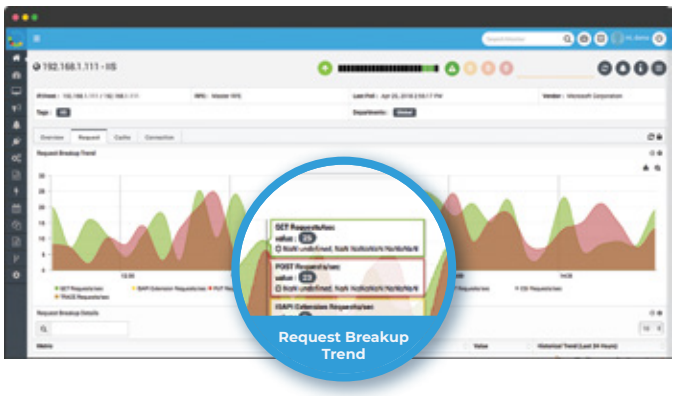


Monitored Elements

- HTTP
- HTTPS

Web-Server Monitoring

Motadata offers thorough availability and performance monitoring of all types of web server applications in real time. The web server monitoring functionalities empower performance management by tracking and monitoring the application response time as well as update the status based on a provided threshold with all the management reports.



Key Highlights

- Manage your web-servers with the help of out-of-the-box reports & dashboards
- Monitor the critical performance statistics for web servers such as availability, Response time etc.
- Get details on both historical and current web server performance metrics over a period of time

Monitored Elements

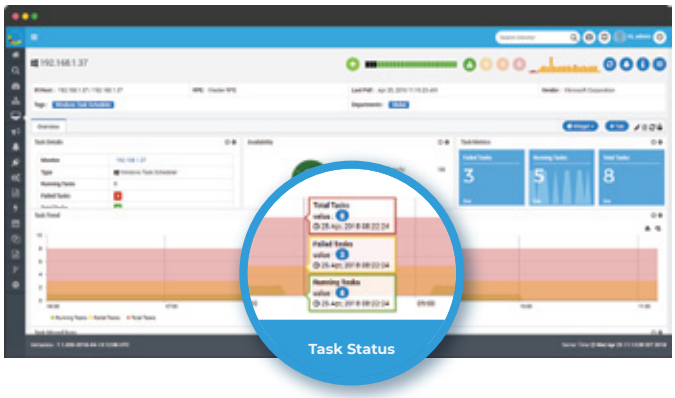
- Microsoft IIS
- NGINX
- Apache HTTP
- Sun Web
- LIGHTTPD

Application Server Monitoring

Motadata helps improve application-servers' availability while detecting network outages or protocol failures quickly. The platform collects machine and infrastructure-level metrics of application servers that in turn helps operations teams to understand their infrastructure & take corrective actions.

Key Highlights

- Ensure that applications are performing well and are available 24/7 to achieve increased application, server & services availability
- Quickly detect network outages, protocol failures, failed process, services & batch jobs etc.
- With root cause analysis drill down to the problem areas and fix them before they affect end users

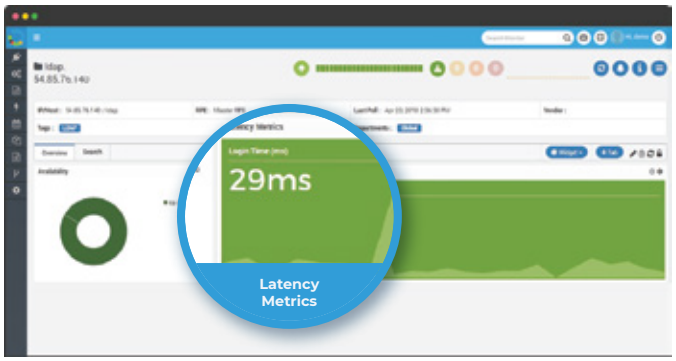


Monitored Elements

- JBOSS
- WebLogic
- Tomcat
- GlassFish

Middleware Monitoring

Motadata monitors the availability and health of various middleware elements. With the help of comprehensive availability metrics and powerful reports, middleware admins can ensure if their critical & complex middleware elements are running at desired levels.



Key Highlights

- Monitor the health & availability of various middleware components and enterprise messaging systems
- Enable IT Operations teams to troubleshoot issues quickly and eliminate performance bottlenecks
- Make sure that your complex and critical middleware components are performing at optimum levels

Monitored Elements

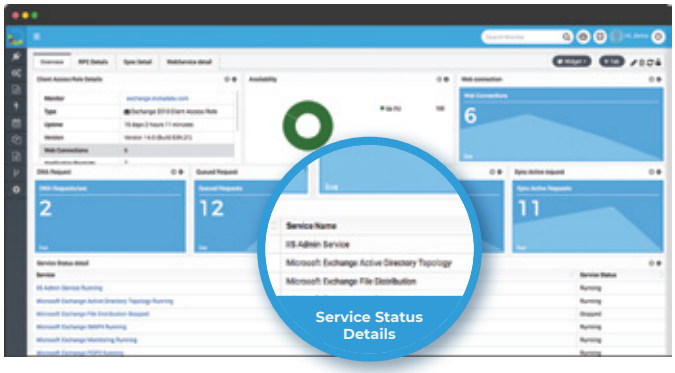
- DNS
- LDAP
- ActiveMQ

Email Monitoring

Motadata allows users to monitor the availability and response time of email servers from multiple locations around the world through a unified dashboard.

Key Highlights

- Increased availability
- Quickly detect network outages, protocol failures, email server failures & delays etc.
- Get current and historical email performance data through unified consolidated dashboard
- It automatically collects mailbox database information and offers alerts as well as notifies the mailbox database capacity problems.

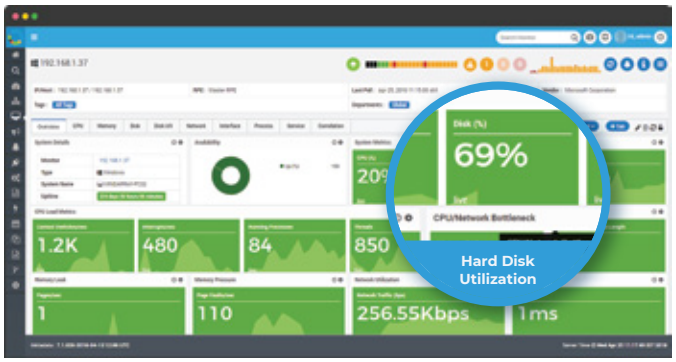


Monitored Elements

- SMTP
- Exchange
- Symantec Gateway

Platform Monitoring

Motadata provides visibility of different platforms such as Java, .Net to identify which elements have long load times, which ones are most popular, & the once occupied at a particular instance.



Key Highlights

- Easily customize alerts, reports, and dashboards for platform monitoring
- One platform to collaborate with multiple teams i.e. server, web, database, application
- Get out-of-the-box remote management and monitoring of Microsoft .NET servers and other applications

Monitored Elements

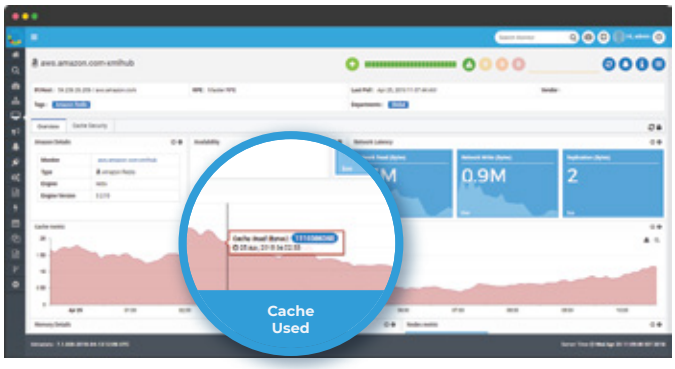
- Java
- .net

Cloud Monitoring

Motadata evaluates, monitors, and manages business crucial cloud-based services, applications, and infrastructure on constant basis. The platform monitors metrics such as response time and frequency of use etc. to make sure that the cloud infrastructure performs at acceptable levels at all times.

Key Highlights

- Ensure compliance and security with full audit trail
- Gather critical security insights across AWS/Google app engine-audit activity, security group violations, AWS instance changes and more
- Visually manage entire cloud environment through customizable dashboards and topology
- Leverage machine learning for insights, recommendations and better manage AWS cost in real time with deep insights on used/unused resources etc.

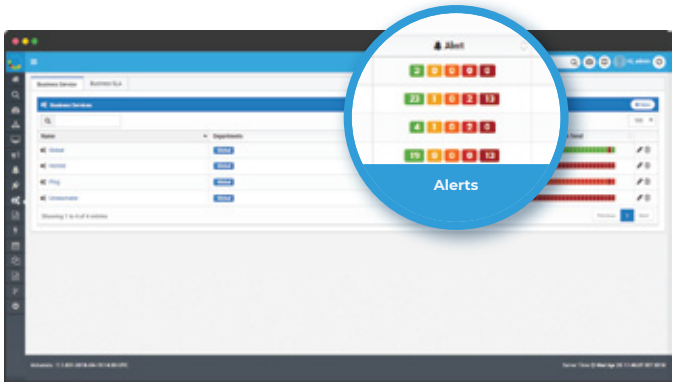


Monitored Elements

- AWS
- Google App Engine
- Microsoft Azure

Key Features

Motadata provides visibility of different platforms such as Java, .Net, JMX and PowerShell to identify which elements have long load times, which ones are most popular, & the once occupied at a particular instance.



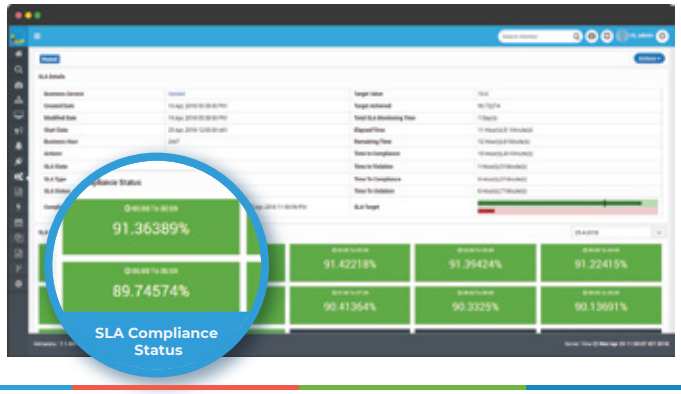
Business Service Management (BSM)

Motadata BSM ensures all components of user's businesses can be viewed accurately with a clear picture of IT operations. The platform promotes customer centric and business focused advancements to service management, which smoothens all business objectives.

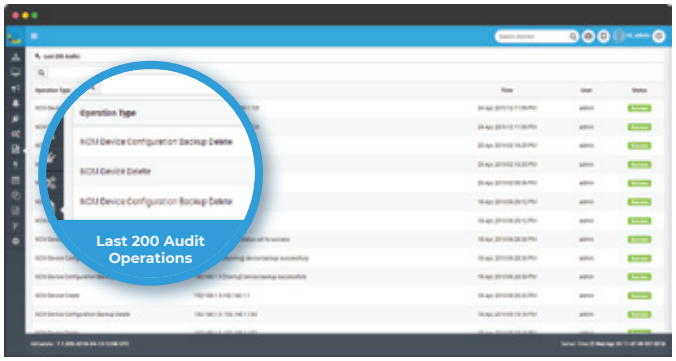
- Identify business processes (existing and planned) with their requirements for efficient IT services
- Map processes on the elements of IT infrastructure - network components, servers, storage & applications etc.
- Set metrics for measuring compliance of IT infrastructure elements
- Monitor the achievement of service levels defined in the relevant SLA
- Get health trend based on the alerts triggered for business services over a time period
- Get unified view of multiple business processes through Nested BSM

Service Level Agreement (SLA)

Motadata Service Level Agreement enables organizations to clearly define the level of services accepted by a customer from a supplier, laying out the metrics (Availability and uptime, Application response time, Performance Benchmark, Response Time etc.) by which that service can be measured.



- Visualize site-to-site network performance with real-time performance data
- Define target values and get notified on SLA breach
- Get alert on service level violations along with violation time, % downtime, LF time and other details over a specific time period
- Get details on timing compliance i.e. number of times violations occurred along with history of violations (Utilise smart timing violation system to add up the total time the violation occurred for a specific period)
- Get details on achieved and remaining health trend in terms of % of SLA violation
- Get details on SLA compliance status, SLA state, SLA lifecycle for desired time period along with severity



Network Configuration Management (NCM)

Motadata organizes and maintains critical Network Configurations of each and every component of the IT network infrastructure. The IT Teams can repair, modify, configure or upgrade devices remotely with NCM.

- Reduce time required to manage critical network changes and repetitive manual tasks across complex, multi-vendor networks with Network automation
- Achieve simplified Network compliance with automated network configuration management to deploy configurations, report configurations, detect out-of-process changes, audit configurations, backup configurations etc.
- Quickly locate the most current configuration backup and apply it to a replacement spare or roll out across the different devices in the infrastructure
- Identify and access vulnerabilities in network with Vulnerability assessment
- Saves time by reducing the time required to manage and configure critical changes and repetitive tasks in a complex, multi-vendor scenario
- Pre-integrated support for well-known network device vendors like Cisco, HP, Juniper, D-Link
- Protocol Support: Telnet, NETCONF, SSH

High Availability (HA)

Motadata HA operates two different systems continuously without failure for a long time. When failures occur, this process will recover partial or failed transactions and restores the system to normal. It aims to ensure an agreed level of network performance, usually maximum uptime to shield business against the risk of system outages, failure of transactional data, deficient data etc.

- Motadata Operate without any external database for high availability and lower TCO
- Ensure protection of your data and secure your servers and pollers
- Automate the failure coping processes with continuous monitoring and data collection
- Reduce costs with automatic server failback to your preferred server once it's back online and healthy
- Ensure business continuity with high availability and automated failovers