IBM DataPower Operations Dashboard

Smart insights, visibility and troubleshooting for IBM DataPower gateways

Administrators, whether they are operations or infrastructure engineers, are often the first point of contact for troubleshooting. Because they are managing the overall infrastructure, they can become overwhelmed with information or challenged with a total lack of useful insights. They need tools to quickly identify issues or help isolate problem areas to either address the issue or seek further assistance from the appropriate teams.

The IBM DataPower Operations Dashboard delivers advanced operations capabilities for centralized troubleshooting. It provides real-time, operational visibility for applications that are secured and optimized by DataPower gateways.

It also provides operations staff and developers insight into transactions processed on DataPower gateways to help in problem determination and quicker time to resolution. You can quickly search for information using full-text search and obtain results quickly to help locate the problem.

IBM DataPower gateway is a broadly adopted solution for security and integration in thousands of companies in all industries. DataPower provide a multi-channel gateway addressing the security, connectivity and integration requirements for mobile, API, cloud, business-to-business, web, and Services Oriented Architecture deployments.

Most of the mission-critical data that passes through the network runs through the DataPower gateway. So the need to maintain DataPower services health and availability is crucial for consumer satisfaction, easing support staff workloads and adhering to Service Level Agreement targets.
Because of the business-critical workloads that DataPower supports, administrators and developers have become important players in service deployment and maintenance processes.

Operational insight into DataPower gateways helps resolve issues and ensure stability within the IT infrastructure. IBM DataPower Operations Dashboard provides real-time visibility into transactions and centralized operations to help speed problem determination and resolution.

Using the IBM DataPower Operations Dashboard console, you can quickly analyze the state of one or more DataPower gateways, starting with a high level overview of the operations status and look into the gateway, domain, service, transaction and even message payloads level—all with the click of a button.

IBM DataPower Operations Dashboard is based on Big Data technology that scales to handle any number of DataPower Gateways running and at any load. It can store complete logs and other information for DataPower gateways, with the limits of available disk space. This data can be queried in near real-time. Malfunctions are easier to resolve. Sophisticated statistics and reports can be created on an ‘as needed’ or on a periodic basis. Services can be proactively optimized by analyzing memory consumption and error-to-success ratios. Visibility of your entire DataPower network is now at your fingertips.

All involved organizational roles can greatly benefit from using the IBM DataPower Operations Dashboard. Developers, service consumers and service providers can develop services, troubleshoot, debug and optimize, without the assistance or availability of DataPower administrators. Administrators, thus relieved of routine maintenance tasks, can use IBM DataPower Operations Dashboard to analyze service, improve availability and performance, and issue detailed service statistics reports from a central location.

Operators can quickly isolate problematic services or transactions, without requiring specific DataPower knowledge and without logging in to each appliance individually. Security officers can quickly inquire about various types of security violations or suspicious activity. Finally, team leaders and high-level managers can get a summary of the entire system state, message throughputs, availabilities, and other key service level information for DataPower gateways.

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**Expert-level information and analysis**

- Transaction latency analysis and memory profiler of processing actions
- Transaction errors detection and analysis
- Dashboards, scheduled and ad hoc reports
- Unique resources utilization and performance metrics

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![Image](image.png)

*Figure 1.* Insights: Expert-level information and analysis.
Self-service tools for consumers and providers

- Auto-generated services, wiki-like pages
- Consumer/provider transactions; self-investigate for production and non-production environments
- Dedicated dashboards designed for operations centers
- Role-based access control for IBM DataPower Operations dashboard resources and information

Real-time, historical and with detailed logs

- Drill down from system overview to full transaction logs and payloads
- Correlate transactions between devices and domains
- Locate any transaction with blazing fast full-text search
- Search any item within the DataPower service configuration
Why IBM?
More than 2,400 organizations of all sizes employ IBM DataPower gateways to reduce IT complexity, reduce their costs, improve ROI and foster new innovation and business. The IBM approach to network security and optimization provides value to organizations throughout major industries and across more than 60 countries. With DataPower component-based architecture, you can select the capabilities you need to handle workloads including mobile, API, web, SOA, B2B and cloud workloads.

For more information
To learn more about the IBM DataPower Operations Dashboard, please contact your IBM representative or IBM Business Partner, or visit the following website: ibm.com/software/products/en/datapower-gateway

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