



# IBM DataPower Operations Dashboard delivers advanced operations for real-time visibility of transactions and centralized operations to enable quicker problem termination and operational resiliency

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## At a glance

IBM<sup>(R)</sup> DataPower<sup>(R)</sup> Operations Dashboard delivers an advanced operations console for centralized problem determination and advance monitoring of the DataPower infrastructure.

The DataPower Operations Dashboard includes the following features

- Self-service console for developers to troubleshoot their own services
- Ability to view transaction details across one or more DataPower Gateways
- Customizable dashboards for displaying key operational data
- Ability to create ad hoc or scheduled reports for chargeback reporting or service level agreement (SLA) compliance
- Full-text search with advance filters to find transactions and configuration
- Help for identifying security compliance issues from service errors

## Overview

DataPower Gateways are a high-performance, multi-channel gateway solution that secure and optimize API, Mobile, Web, service-oriented architecture (SOA), business-to-business (B2B), and Cloud workloads. The DataPower Gateways are used in mission-critical applications based on their robust nature and are in the critical path of important transactions. When business applications have issues, the turnaround time to resolve critical issues must be quick and without any delay to avoid significant revenue loss and reputation damage.

Operational insight into DataPower Gateways can help resolve important issues and help ensure stability within the IT infrastructure.

- Self-service console for developers to troubleshoot their own services. Developers use a self-service console for troubleshooting their own transactions. This can enable quicker problem resolution without involvement from IT infrastructure teams.
- Access payload and transactional metadata from business applications, which includes transactions that cross multiple DataPower Gateway instances, to help aid centralized troubleshooting and help minimize potential service disruptions.
- Customizable dashboards for displaying key operational data. Dashboards allow viewing of important operational information about all DataPower Gateways

within the environment and customizing them to help meet enterprise standards and requirements.

- Ability to capture transactional and service information from DataPower Gateways over an extended period of time. Create ad hoc or scheduled reports for business purposes, such as chargeback reporting, or ensuring that service level agreements (SLA) are met.
- Full-text search with advance filters to find transactions and DataPower configuration. Using advance search technology to find information from individual transactions or DataPower configuration. This capability can help isolate issues in the IT environment by helping to quickly identify messages or service configurations that are causing issues.
- Ability to help identify security compliance issues from DataPower services. Identify enterprise security compliance issues within DataPower services, which include secure socket layer (SSL; client-server), authorization, schema validation, and encryption.

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## Key prerequisites

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This solution requires a separate virtual machine that monitors one or more DataPower Gateway instances, which can be either DataPower physical appliance or DataPower Virtual Edition.

For details, see the [Hardware requirements](#) and [Software requirements](#) sections.

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## Planned availability date

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May 20, 2016

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## Description

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DataPower Operations Dashboard delivers an advance operations console module for centralized troubleshooting. This solution provides real-time operational visibility into business applications that are secured and optimized by DataPower Gateways. This console allows operations staff and developers deep insight into transactions processed on DataPower Gateways to help in problem determination and quicker time to resolution. In environments with large amount of data, you can quickly search for information using full-text search and obtain fast results, helping to isolate components that are unstable.

### Enabling developer productivity

Developers are an integral part of your IT infrastructure. They drive business innovation and accelerate time to market with innovative features. Any successful developer requires the right tools to perform their day-to-day job. When developers are writing policies or business-unique requirements on DataPower Gateways, they need a quick way to troubleshoot their issues in a non-disruptive manner and without constant involvement from administrative staff.

The DataPower Operations Dashboard provides a self-service console for developers that only show their transactions and services. This console delivers quick visibility into the availability of their services. Developers can organize their services in a wiki-style repository that is automatically updated with new services, real-time information and statistics. When complex issues arise that require deep troubleshooting, you can use the profiling capabilities to examine individual steps to perform rigorous analysis.

### Helping administrators maintain a stable environment

Administrators, whether they are operations or infrastructure engineers, are often the first point of contact when issues arise. Because they are typically tasked

with managing the overall infrastructure, they can become overwhelmed with information. They need tools to quickly identify issues or help isolate the problem areas to either solve or seek assistance from appropriate teams.

The DataPower Operations Dashboard provides customizable dashboards to view important operational information about all DataPower Gateways within the environment. These dashboards can be customized to meet enterprise standards and requirements. Using advanced search technology enables full-text search within seconds to find information from individual transactions. These tools help in problem determination and identify components that are causing issues.

### **Meeting enterprise compliance and SLA**

Meeting compliance and SLAs can be difficult if capturing the data to validate that requirements are met can not be performed. Because DataPower Gateways are often the initial point of contact for many mission-critical applications, you can capture transactional and service information over an extended period of time to provide proof of compliance. Using the DataPower Operations Dashboard, you can quickly create ad hoc or scheduled reports for business purposes, such as chargeback reporting or ensuring that SLAs are met. Security events and configuration can be examined to determine if any security compliance issues exist so that proactive measures can be taken to avoid future issues.

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## **Program number**

<b>Program number</b>	<b>VRM</b>	<b>Program name</b>
5725-T07	7.5.0	Software Options for IBM DataPower Gateway

The DataPower Operations Dashboard is compatible with DataPower firmware versions 6.x and 7.x.

For more information regarding firmware support, see [Supported firmware versions and recommended levels for IBM DataPower Gateways products](#) website.

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## **Publications**

Documentation for DataPower Gateways and features is available on IBM Knowledge Center in the [WebSphere<sup>®</sup> DataPower SOA Appliances](#) welcome page.

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## **Services**

### **Software Services**

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services or to contact a Software Services sales specialist, go to the [IBM Software Services](#) website.

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## **Technical information**

### **Specified operating environment**

## Hardware requirements

DataPower Gateway Operations Dashboard supports the following DataPower physical and virtual appliances:

Description	Machine type	Model
DataPower Gateway	8436	52X
DataPower Gateway with HSM Card	8436	53X
DataPower Gateway Virtual Edition	5725	T09
IBM WebSphere DataPower Service Gateway XG45	7198	32X
WebSphere DataPower Service Gateway XG45	2426	32X
WebSphere DataPower Service Gateway XG45 with HSM card	2426	33X
WebSphere DataPower Integration Appliance XI52	7199	42X
WebSphere DataPower Integration Appliance XI52	2426	42X
WebSphere DataPower Integration Appliance XI52 with HSM card	2426	43X
WebSphere DataPower B2B Appliance XB62	7199	62X
WebSphere DataPower B2B Appliance XB62	2426	62X
WebSphere DataPower B2B Appliance XB62 with HSM card	2426	63X
WebSphere DataPower Service Gateway XG45 Virtual Edition	5725	J90
WebSphere DataPower Service Gateway XI52 Virtual Edition	5725	J91

DataPower Virtual Edition requires a machine with one of the following:

- VMware vSphere V5.0, V5.1, V5.5, or V6.0 editions:
  - Standard
  - Enterprise,
  - Enterprise Plus
- VMware Workstation V10 , or V11
- VMware Player V6 , or V7
- VMware Fusion V6 , or V7
- Citrix XenServer V6.2 , or V6.5
- IBM PureApplication<sup>(R)</sup> System W1500 or W2500 Version 2.0
- PureApplication Service on SoftLayer<sup>(R)</sup> with x86 hardware
- SoftLayer bare metal instances using supported hypervisors
- SoftLayer CCI
- Amazon EC2 virtual server
- Microsoft<sup>TM</sup> Azure virtual server
- Docker Engine V1.8

Minimum virtual resources for each virtual edition appliance are 2 vCPU and 4 GB RAM.

## Software requirements

For details, see the [Hardware requirements](#) section.

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a readme file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

## Planning information

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### Packaging

This product is available only through electronic download.

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## Ordering information

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This product is only available through Passport Advantage<sup>(R)</sup>. It is not available as shrinkwrap.

Product group: IBM Cloud

Product Description	PID number
Software Options for IBM DataPower Gateway	5725-T07

Product category: IBM DataPower Gateway

### Passport Advantage

Part description	Part number
IBM DataPower Operations Dashboard Single Gateway Application Instance License + SW Subscription & Support 12 Months	D1NAWLL
IBM DataPower Operations Dashboard Single Gateway Application Instance Annual SW Subscription & Support Renewal	E0MPZLL
IBM DataPower Operations Dashboard Single Gateway Application Instance Software Subscription & Support Reinstatement 12 Months	D1NAXLL
IBM DataPower Operations Dashboard Five Gateways Application Instance License + SW Subscription & Support 12 Months	D1NB2LL
IBM DataPower Operations Dashboard Five Gateways Application Instance Annual SW Subscription & Support Renewal	E0MQ2LL
IBM DataPower Operations Dashboard Five Gateways Application Instance Software Subscription & Support Reinstatement 12 Months	D1NB3LL

### Charge metric

Program name	PID number	Charge metric
IBM DataPower Operations Dashboard	5725-T07	Application Instance

### Metric definition

**Application Instance:** A unit of measure by which the program can be licensed. An entitlement is required for each instance of an application connected to or managed

by the program. An application in a test, development, staging, or production environment is each considered to be a separate instance of the application and each must have an entitlement. As well, multiple application instances in a single environment are each considered to be separate instances of the application and each must have an entitlement.

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## Terms and conditions

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The terms and conditions for IBM DataPower Gateway, as previously announced in Software Announcement [216-024](#), dated February 16, 2016, are unchanged.

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## Statement of good security practices

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IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

**Important:** IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

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## Prices

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The prices are unchanged by this announcement.

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