

# IBM Db2 Monitoring with SCOM

## NiCE Management Pack for IBM Db2

### IBM Db2 Monitoring

IBM Db2 is a family of data management products, including the Db2 relational database, which is an enterprise-ready relational database management system designed to deliver resilience, performance, and cost-effectiveness for transactional workloads.

The NiCE DB2 Management Pack monitors and reports on the Db2 infrastructure, state, and the performance of all components. Using the NiCE DB2 Management Pack improves customer experience and business results.

- ✓ Enforced Db2 Uptime
- ✓ Precise Task Information
- ✓ Fast Recoveries
- ✓ Visualized Capacity Trends
- ✓ Lower TCO
- ✓ IT Services aligned with Business Needs
- ✓ Secured Microsoft SCOM Integration



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## Features

### Db2 Objects Discovery

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Db2 Computer, Server, Server Group, Instance, Database, Partition, Bufferpool, and Tablespace

### Db2 Topology View

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Instance, Database, Partition, Bufferpool, and Tablespace

### Health Monitors

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10+ monitors for Instances, Databases, and Tablespaces

### Performance Monitors

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70+ monitors for Instances, Databases, Partitions, and Bufferpools

### Rules

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Log File Conversion, Cluster Sync, Instrumentation Deployment

### Tasks

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Instrumentation Deployment, Configuration, Discovery, Testing, Monitoring, and Tracing

### Self Monitors

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Installation, Configuration, and License

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## Features

### Log File Monitors

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Db2 Diag Log and Admin Log, including file size for both (Unix/Linux), Event Log (Windows)

### High Availability Monitor

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Instrumentation for Heartbeat Monitoring

### Advanced Environments

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Remote Db2 databases, Cluster Support, Non-Root Operations

### Performance Graphs

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Displaying Performance Rules data for Instances, Databases, and Tablespaces

### Reports

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Top 20 by Size, Memory Usage, Lock Timeouts, Physical IO, Log and Tablespaces Growth, and more

### Scalability

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Scale Discovery and Monitoring from a few Db2 objects to the entire Db2 landscape

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## Benefits

### Highly Customizable

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Environments and business needs are manifold. Adjust all monitors and rules to fit your needs

### Enterprise Ready

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Best scalability by support for small to very large environments

### Easy Administration

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Use predefined tasks and rules to automate day-to-day tasks

### Boost Performance

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100+ Db2 dedicated health & performance monitors observe and detect issues on-the-go

### Troubleshoot faster

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Alert-Integrated troubleshooting advice speeds up MTR

### Fire-Proof Operations

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Self- & High-Availability monitors ensure safeguarded observation of your Db2 environment

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## Benefits

### Extended Monitoring

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Remote, Cluster, and Non-Root monitoring extends platform support and security measures

### Visualization

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Real-world topology of your Db2 environment, as well as graphs, provide fast information

### Fast Trend Analysis

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Top 20 reports of vital Db2 topics display fast forward trends

### Secure

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Natively secured through full Microsoft SCOM integration

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## Details

### **End-to-End IBM Db2 Monitoring**

Understand and manage your IBM Db2 environments like an ecosystem constantly changing in terms of physical design, transactions, and memory. Db2 monitoring using the NiCE DB2 Management Pack helps you maintain the balance at any given time to ensure the best possible performance.

### **Align IT Operations with Business Needs**

Understand the business impact of Db2 alerts and align IT operations and services with business needs. Actual on-time availability alerting via System Center channels and subscriptions is done precisely through several core monitors.

The Management Pack provides health monitors for Listeners, Instances, Databases, Tablespaces, and Datafiles. Receiving alerts helps you avoid service interruptions upfront.

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## Details

### **Lower TCO & Increased Productivity**

The Management Pack increases your operational efficiency and reduces the total cost of ownership. It is a sophisticated and intelligent Enterprise Ready Management Pack, designed to integrate into Microsoft SCOM. It collects detailed data from Db2 instances for monitoring the systems without affecting or impacting the overall performance. Identify problems quickly and take corrective action to avoid costly downtime. Built-in features like SCOM “Diagnostic Tasks” help the DBA and the operator to troubleshoot more efficiently.

### **Support for Enterprise environments**

The Management Pack supports dedicated monitors and discovery for larger environments to keep your System Center data warehouse in shape.

The Discovery allows a highly granular approach to what should be monitored. This gives the SCOM admin freedom to scale Db2 monitoring from a few Db2 objects to the entire Db2 landscape. Discovery, monitors, and rules are highly customizable, making covering all monitoring scenarios and approaches easy.

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## Details

### Alert Log monitoring

Log monitoring is vital when availability needs to be guaranteed and improved. Including these details into monitoring will scale up the availability of your Db2 databases continuously.

### HA Monitoring

Rely on Microsoft proven monitoring technology. No additional monitoring adjustment is needed. Simply set up the Microsoft High Availability Agents.

### Cluster Monitoring

Include clusters for complete Db2 monitoring. The DB2 Management Pack contains several dedicated cluster monitors for **HADR DB** (Connection Status, Status, and Log Gap), and **pureScale**.

### Remote Monitoring

The integrated remote monitoring options enable you to safely monitor platforms not supported by the SCOM agents, such as **Mainframe**, **LinuxPower** or do not allow third-party agents. Additionally, it is suitable for monitoring platforms that generally would require specific platform knowledge.



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## Details

### **Non-Root Monitoring**

Non-Root monitoring enables advanced access management for meeting high-security standards. Additional features help to adjust to a wide range of secured operations.

### **Holistic monitoring**

Save time and money by monitoring and managing your environment from a single point of reference.

### **Leverage the native capabilities of SCOM**

Built on the System Center Agent to provide the best of agent-based observation. Centrally configure exception-based Db2 monitoring in distributed environments. All run-time data is stored in the Operations Manager Database and data warehouse.

### **Seamless Microsoft SCOM integration**

The NiCE DB2 Management Pack is a sophisticated Microsoft SCOM integration, with no need to install or configure additional server proxies or connectors to pinpoint root causes.

# NiCE Management Pack



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## Licensing

### Licensing

The NiCE DB2 Management Pack is licensed per Db2 Instance.

### Software Support

Customers will receive direct support from the NiCE support team, software updates, and free upgrades to the latest software versions within the support time frame.

### Services

To help customers get a most practical setup, NiCE is offering remote installation assistance.

Remote professional services include installation and configuration, training, and custom application enhancements.

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## FAQ

### **What SCOM versions are supported?**

The DB2 Management Pack supports Microsoft SCOM 2012 R2, 2016, and 2019.

### **What Db2 versions are supported?**

The NiCE DB2 Management Pack supports Db2 10.x, 11.1, and 11.5.

### **Do you provide customization services?**

Yes. Whenever you need a specialized tweak or enhancement to fit your environment best, NiCE will assist you with professional Management Pack authoring services.

# NiCE Management Pack

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## Contact

### Get in touch for more information

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