

# Database Operation Centre

## Focus on your business, we manage your databases.

Managing the multitude of alerts, reports, and events and sometimes finding the proverbial needle in a haystack is challenging. Monitoring the activity on busy enterprise databases can easily create millions of events in a short period of time, and not all require action and not need to be looked at. Data professionals in organizations should not have to spend most of their time wading through events and alerts to identify those that require action. Instead, they should be able to focus on critical issues and business tasks. The D.O.C eliminates the need to wade through millions of alerts and allows data professionals to visualize all MS SQL database server-related metrics, events, and alerts. By deploying the D.O.C package for databases, you can easily achieve awareness and demonstrate better managing your data, the most valuable asset of your company.

The D.O.C data broker acts as a reputation agent to help detect many types of different issues while responding to requests from the database between the environment and database administrators. It combines metrics from databases in your organization with the DB Admins and also the Data Platform SLA management team's knowledge, and instantly shares collective intelligence across your ecosystem, enabling you to act on shared intelligence.

Data Platform's database operation centre offers monitoring for business-critical databases from all types of issues such as performance, critical configuration changes, and event-generated intra-databases by users.

This ETL and Power BI-based solution provides robust management capabilities without requiring architecture changes, costly hardware, or downtime. DOC is a service suite combined with the Data Platform service to provide comprehensive protection that goes far beyond local database management capabilities. Each DOC license comes with a bundled health-check service to be performed on your databases by Data Platform database engineers.

The environments of organizations that have an SLA agreement with Data Platform are monitored by DOC.

### Main items can be followed through D.O.C;

- Critical server setting changes
- Critical database setting changes
- Control of always on structure
- Disk status
- Backup information
- Database size information
- Index needs, index analysis
- Query takes a long time, is blocked, or remains open in the 'sleeping' state
- Job working information
- User roles, last login dates
- Databases CPU, IO usage rates
- Page life expectancy and buffer catch hit radio values

### The modular nature of the DOC

The modular nature of the DOC solutions comes with the expertise of Data Platform's database engineers allows you to customize and tune database performances, improving the processes of database deployment, monitoring, and security management. This solution does not require specialized database system knowledge, so it provides your IT team with massive achievement.

DOC allows you to perform a full observation of all MSSQL databases within your environment, it has along with a thorough layered structure to identify which of those contain the critical issues.

DOC for Databases also gives you detailed, actionable information to help you prioritize and remediate database administration gaps. This enables you to save external expenses of outside consultants while better preparing you for compliance audits.



Figure 1: Powerbi dashboard view that comes from as a service Power Bi Reporting server.



**Monitor all variables affecting performance** and security of MSSQL servers and planned maintenance.



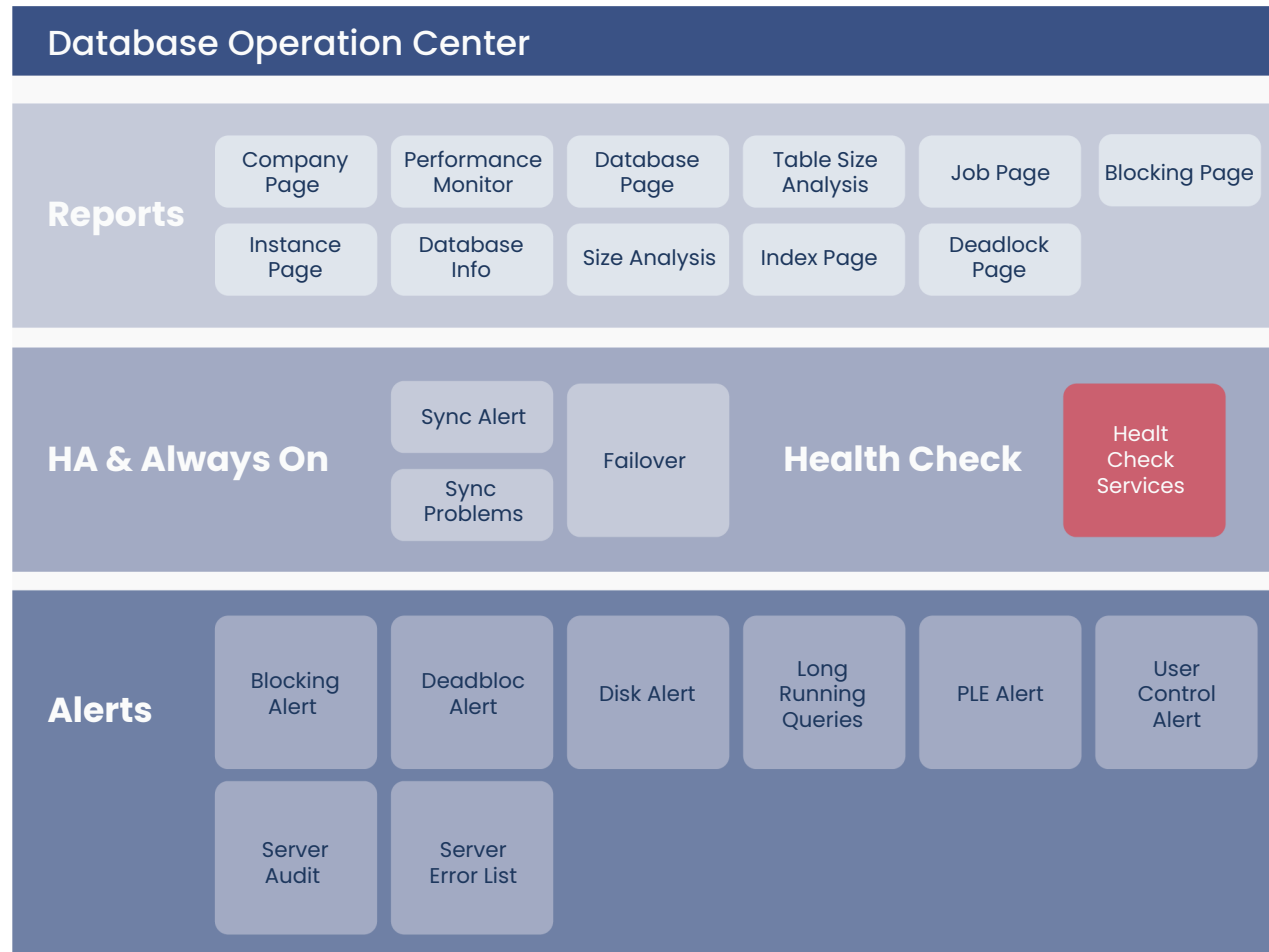
**Monitoring can be done 24/7** via the Power BI reporting service.



Database Operation Center (D.O.C.) is an **end-user-friendly database monitoring system.**



**Report any situation** may cause malfunction with warnings and solution suggestions.



### Reports & Notifications

- Reports & Notifications to Get
- Always-on databases sync alerts
- The availability group does not sync
- Primary node changes
- Database server health check reports
  - SQL Server Configure
  - Instance last Recycled
  - SQL Error-Log Summary in Last 1 Days
  - HA Status Report
  - Disk Space Report
  - Database File Usage
  - TempDB File Usage
  - CPU Usage Database Percentage
  - I/O Usage Database Percentage
  - Memory Usage
  - Performance Counter Data
  - Database Backup Report
  - Log Space Usage
  - VLF Count
- Blocking Alerts
- Deadlock Alert
- Long-running queries
- PLE Alert
- User Control Alerts
- Job Control Alerts
- Server Audits
- Log Backup Alerts
- Open Transaction Alerts
- Running duration alerts
- Server Restart Alerts
- Job Failed
- High CPU Usage
- Database State Reports
- Login Failures

Figure 2: A layered structure to identify which of those contain the critical issues.