

# SQLDM Mobile components and architecture including IDERA Newsfeed

SQLDM Mobile is an easy-to-use, Web-based application that seamlessly integrates into your existing diagnostic and monitoring workflow. The SQLDM Mobile Web site includes many metrics and alerts panels that let you quickly ascertain performance issues in your environment.

SQLDM Mobile also includes the IDERA Newsfeed technology. The Newsfeed provides an easy-to-use, social-media-based collaboration tool you can use to solve issues faster while keeping your team apprised of changing server statuses.

Whether you are tied to your desktop, on the go, or managing remote servers, these features can fit your unique monitoring needs.

The SQLDM Mobile architecture easily runs in your SQL Server environment with minimal configuration. All components run outside and separate from SQL Server processes, and do not add to or modify any of your native SQL Server files or services.

## Components

### IDERA Newsfeed for SQL Diagnostic Manager

The IDERA Newsfeed is a user interface that seamlessly integrates with the SQL Diagnostic Manager Console, letting you monitor your instances and collaborate with coworkers at the same time, in real time.

### IDERA Newsfeed Platform

The IDERA Newsfeed Platform consists of the SQLDM Mobile Repository database and the SQLDM Mobile and Newsfeed Service.

### SQLDM Mobile Repository database

The SQLDM Mobile Repository (Mobile Repository) is a central database that stores your configuration settings, comments and other activity on stories, as well as notifications. Consider deploying the Mobile Repository to the same computer that hosts your SQL Diagnostic Manager Repository.

### SQLDM Mobile and Newsfeed Service

The SQLDM Mobile and Newsfeed Service facilitates communications between the SQLDM Mobile Repository and your SQL Diagnostic Manager application. By default, this service is installed on the same computer where you run the SQLDM Mobile and Newsfeed setup program. Consider SQLDM Mobile and Newsfeed Service to the same computer that hosts your SQL Diagnostic Manager services, such as the SQLDM Management Service.

### Action Provider

The IDERA Newsfeed Action Provider converts SQL Diagnostic Manager alerts about a server status and performance metrics into notification emails that SQLDM Mobile & Newsfeed Service can send to the appropriate people. The setup program installs the action provider on the computer hosting your SQL Diagnostic Manager Repository.

### Authentication Provider

The IDERA Newsfeed Authentication Provider is the SQL Diagnostic Manager application that the IDERA Newsfeed Platform uses to authenticate a user when he or she signs up or logs on. The IDERA Newsfeed Platform leverages the application security settings as defined in SQL Diagnostic Manager, determining which monitored SQL Server instances a given user can access.

### SQLDM Mobile Web application

The SQLDM Mobile website provides access to the same monitoring and collaboration features of the IDERA Newsfeed technology via a mobile device, such as a smartphone or iPad. The SQLDM Mobile website also includes SQL Diagnostic Manager panels so you can quickly check server performance when you are away from your desk.

## Architecture

