Distributed Database Middleware

What's New

Issue	01
Date	2025-06-01

HUAWEI TECHNOLOGIES CO., LTD.

Trademarks and Permissions


and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.
All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Security Declaration

Vulnerability

Huawei's regulations on product vulnerability management are subject to the *Vul. Response Process.* For details about this process, visit the following web page:
https://www.huawei.com/en/psirt/vul-response-process
For vulnerability information, enterprise customers can visit the following web page:
https://securitybulletin.huawei.com/enterprise/en/security-advisory

Contents

1 What's New

The tables below describe the features and corresponding documentation updates released in each Distributed Database Middleware (DDM) version. New features will be successively launched.

April 2025

No.	Feature	Description	Phase	Document
1	Kernel versions of DDM instances can be manually changed.	You can manually upgrade or downgrade the kernel version of an instance immediately or at a scheduled time.	-	-

June 2024

No.	Feature	Description	Phase	Document
1	The **ddl_flowcontrol_threshold** parameter has been added to the parameter template.	You can modify the parameter in the parameter template to control the number of DDL operations executed within 1 hour.	-	-

April 2024

No.	Feature	Description	Phase	Document
1	A metric for a DDM instance is added.	You can use APIs provided by Cloud Eye to query the metrics generated for DDM. You can check the **ddm_global_sequence_threshold_exceeded_count** metric for a DDM instance.	-	-

January 2024

No.	Feature	Description	Phase	Document
1	Added a check for maximum number of physical tables on the shard configuration check page.	When you add shards, each data record in the source table will be rerouted to a new physical table. It takes a long time for sharding if there are too many physical tables. Check whether the number of physical tables on each node exceeds the upper limit.	-	-

October 2023

No.	Feature	Description	Phase	Document
1	Session management is supported.	If the maximum number of connections for a DDM instance has been reached and the instance cannot be logged in to, you can view and kill unnecessary sessions using the session management function. DDM allows you to view connection sessions between the DDM instance and applications, or between the DDM instance and its associated data nodes (RDS for MySQL instances).	-	-

September 2023

No.	Feature	Description	Phase	Document
1	Dedicated execution node type	If you select **Dedicated** for **Execution Node Type**, the execution node will be dedicated to configuring shards, so shard configuration is faster.	-	-

March 2023

No.	Feature	Description	Phase	Document
1	Upgrading and rolling back kernel versions	A DDM kernel version usually consists of four digits, for example, 3.0.8.*x*. The first three digits indicate the major version number, for example, 3.0.8. A series of minor versions will be released for each major version. The preferred version of this DDM series is a recommended minor version. It is also the latest and the most stable version. For DDM instances of the same major version, upgrading the kernel version to this preferred version is a minor version upgrade. This operation involves issue rectification and has a low risk of syntax incompatibility. You are advised to upgrade your instance to the preferred version.	-	-

February 2023

No.	Feature	Description	Phase	Document
1	Manually enabling read/write splitting	DDM optimizes its read/write splitting function. In earlier versions, read/write splitting is automatically enabled after read replicas are added. From this version on, read/write splitting needs to be manually enabled after read replicas are added, and you can set read weights for your primary instance and read replicas.	-	-

January 2023

No.	Feature	Description	Phase	Document
1	Online DDL operations	DDM supports online DDL operations, including adding, deleting, and modifying fields, setting default values, and modifying character sets and table names.	-	-

September 2022

No.	Feature	Description	Phase	Document
1	Service rollout	DDM is a MySQL-compatible, distributed middleware service designed for relational databases. It can resolve distributed scaling issues to break through capacity and performance bottlenecks of traditional databases, helping handle highly concurrent access to massive volumes of data. DDM provides various functions, including horizontal sharding, flexible shard configuration, distributed transactions, data import and export, high SQL compatibility, read/write splitting, global sequence, and online monitoring.	Commercial use	**Documentation**