Data Warehouse Service

Release Information

Issue   01
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Contents

1 What's New

The following tables describe the features released in each GaussDB(DWS) version and corresponding documentation updates. New features will be successively released in each region.

November 2023

No.	Feature/Update	Description	Phase	Related Documents
1	Cluster version 8.1.3.325 (recommended version)	Solved some other database problems.	Commercial use	-

No.	Feature/Update	Description	Pha se	Related Documents
2	GaussDB(DWS) 3.0 is released.	The newly released GaussDB(DWS) 3.0 version provides resource pooling, massive storage, and the MPP architecture with decoupled computing and storage. This enables high elasticity, real-time data import and sharing, and lake warehouse integration.	Co mm erci al use	**Data Warehous e Types** **Creating a GaussDB(DWS) 3.0 Cluster** **GaussDB(DWS) 3.0 Developer Guide** **Schedulin g GaussDB(DWS) 3.0 Logical Cluster Creation and Deletion**

October 2023

No.	Feature/Update	Description	Pha se	Related Documents
1	Cluster version 8.1.3.323 (recommended version)	Solved some other database problems.	Co mm erci al use	-
2	Enhanced log search	Added the log search content and log filters: - Added logs related to cms, gtm, roach, upgrade, and scale-out of GaussDB(DWS). - Logs can be searched by node.	Co mm erci al use	**Cluster Log Management**

No.	Feature/Update	Description	Phase	Related Documents
3	Enhanced redistribution	● Added the priority options of databases, schemas, and tables for redistribution. ● After the redistribution is complete, the average rate during the redistribution is displayed. ● The number of concurrent redistribution tasks can be dynamically adjusted during product redistribution.	Commercial use	**Viewing Redistribution Details**

September 2023

No.	Feature/Update	Description	Phase	Related Documents
1	Cluster version 8.2.0.107 is released.	Solved some other database problems.	Commercial use	-
2	User permission management is supported.	You can create, delete, and update database users and manage their permissions on the console. This feature enables users to manage database users and user permissions on the console without logging in to databases.	Commercial use	**Database User Management**
3	The database audit log dump function is optimized.	● The compression type of audit logs is changed from zip to gzip. ● The audit log file can be in CSV format. ● For a cluster upgraded from an early version, a switch is available on the console to control compatibility.	Commercial use	**Dumping the Database Audit Logs**

No.	Feature/Update	Description	Pha se	Related Documents
4	Multi-AZ clusters are supported.	In a multi-AZ cluster, three AZs can be selected at the same time, and server nodes are evenly allocated to the three AZs.	Co mm erci al use	**Creating a GaussDB(DW S) 2.0 Cluster**

August 2023

No.	Feature	Description	Pha se	Documentati on
1	8.1.3.322 cluster version (recommended version) is released.	● By default, the **LIMIT** statement is allowed to use **early stop** optimization. The default value of the GUC parameter **enable_limit_stop** is changed from **off** to **on**. ● Added the GUC parameter **skip_btree_unsafe_restart_ point**.	Com mer cial use	**enable_limit_ stop**

July 2023

No.	Feature	Description	Pha se	Documentati on
1	**O&M Account** on the **Cluster Details** page	You can perform account authorization on the **Cluster Details** page to control the operation rights and impact scope of O&M personnel's access to clusters.	Com mer cial use	**O&M Account**
2	Creating MRS data source connection as common users	Common user can directly use MRS data sources without requiring the system to create GaussDB(DWS) users by default.	Com mer cial use	**Creating an MRS Data Source Connection**

May 2023

No.	Feature	Description	Phase	Documentation
1	8.1.3.320 cluster version (recommended version) is released.	● Added support for concurrent TRUNCATE, EXCHANGE, and SELECT operations. ● Added control over whether to enable early stop for LIMIT statements.	Commercial use	-

April 2023

No.	Feature	Description	Phase	Documentation
1	Cluster upgrade on the console	Users can perform cluster upgrade operations on the console.	Commercial use	**Cluster Upgrade**
2	The database monitoring panel (DMS) supports the comparison of metrics on multiple nodes.	The node monitoring view on the performance monitoring panel displays the metrics of multiple nodes, which help identify the performance curve of abnormal nodes.	Commercial use	**Performance Monitoring**
3	Adding a CN to a specified node	CNs can be added to a specified node.	Commercial use	**CNs**

March 2023

No.	Feature	Description	Phase	Documentation
1	8.1.3.310 cluster version (recommended version) roll-out	● The GUC parameter **redact_compat_options** is added to configure the compatibility of the data masking techniques. ● Some other database problems are solved.	Commercial use	**redact_compat_options**

February 2023

No.	Feature	Description	Phase	Documentation
1	The resource management page is reconstructed.	The resource management page is reconstructed and Tiny3 is upgraded. This is to improve the page layout and operation usability.	Commercial use	**Resource Management**
2	The AS portal is integrated.	The resizing function is renamed as "Changing all specifications", and the flavor change function is renamed as "Changing node flavor". The entries for changing all specifications, changing node flavors, and changing disk capacity are put under **More** > **Change Specifications** in the **Operation** column in the cluster list. The entries for scale-out, scale-in, and redistribution are put under the **More** > **Scale Node** column in the cluster list.	Commercial use	**Changing Specifications**
3	Snapshot parameter configuration	You can specify parameters for creating a snapshot and restoring a snapshot to optimize the snapshot function.	Commercial use	**Configuring a Snapshot**
4	Lock monitoring and alarm reporting on the monitoring panel (DMS)	In a specified period, the DMS alarm module detects that VACUUM FULL has been running for a long time in the cluster and blocks other operations. This alarm is generated if there are other SQL statements in the lock wait state and some restrictions are violated.	Commercial use	**Alarm Management**

December 2022

No.	Feature	Description	Phase	Documentation
1	8.1.3.300 cluster version rollout	The 8.1.3.300 kernel has been rolled out on a large scale and is used as the recommended version.	Commercial use	-
2	Cluster topology page	This page displays the topology of all nodes in a cluster, helping users view the status, processes, and IP addresses of each node.	Commercial use	**Cluster Topology**
3	Binding a cluster to an ELB in another VPC or enterprise project	Currently, ELBs can be bound in the same VPC or across VPCs.	Commercial use	**Associating and Disassociating ELB**
4	Optimized CN addition and deletion.	You can add or delete CNs online or add multiple CNs concurrently.	Commercial use	**CNs**

November 2022

No.	Feature	Description	Phase	Documentation
1	Snapshots can be restored to the current cluster.	If a cluster is faulty or data needs to be rolled back to a specified snapshot version, you can specify a snapshot to restore data to the current cluster.	Commercial use	**Restoring a Snapshot to the Original Cluster**
2	Snapshot creation can be manually stopped.	After a snapshot is created, you can manually stop the snapshot.	Commercial use	**Stopping Snapshot Creation**
3	Database monitoring can show server-level trends.	You can view the performance metric topology of a specific node in the last 1 hour, 3 hours, 12 hours, or 24 hours.	Commercial use	**Node Monitoring**

No.	Feature	Description	Phase	Documentation
4	Node alias can be modified.	CNs can be associated with CN aliases on the node management page.	Commercial use	**Managing Nodes**
5	Added support for OBS data sources.	GaussDB(DWS) can access data on OBS by using an agency. You can create a GaussDB(DWS) agency, grant the corresponding permissions to the agency, and bind the agency to an OBS data source you created. In this way, you can access data on OBS by using OBS foreign tables.	Commercial use	**Managing OBS Data Sources**
6	The usability of resource management is improved.	1. Workload Management is renamed Resource Management. 2. Optimized resource exception rules. You can configure the data spilled to disk per DN and the average CPU usage per DN.	Commercial use	**Resource Management**
7	The table diagnosis page is added to DMS.	You can monitor and analyze data table statistics in a cluster. You can view information about tables with skew rate higher than 5%, tables with dirty page rate higher than 50%, or top 50 tables in size.	Commercial use	**Table Diagnosis**
8	Optimized discount packages.	Discount packages can be shared in all projects under a single account.	Commercial use	**Purchasing a Discount Package**

October 2022

No.	Feature	Description	Phase	Documentation
1	8.1.3.200 cluster rollout	The 8.1.3.200 kernel has been rolled out on a large scale and is used as the primary version. ● The GUC parameter **ddl_lock_timeout** is added to specify the DDL lock timeout interval. ● Added the views **PGXC_WAIT_DETAIL** and **PGXC_LOCKWAIT_DETAIL**. ● Columns including **wait_on_pid** and **query_id** are added. ● Optimized some other issues.	Commercial use	-

September 2022

No.	Feature	Description	Phase	Documentation
1	First roll-out in Europe	First roll-out in Europe	Commercial use	-