

Auditing of Filesystem Operations and Table Operations

This type of auditing is for operations that are managed by the `mfs` service and MapR-DB. These operations take place within volumes and have effects at the level of the MapR filesystem.

Auditing of operations on directories and files

The following operations on files and directories are audited:

Operation	Name in audit logs	Directories	Files
Change group owner	CHGRP	Y	Y
Change owner	CHOWN	Y	Y
Change permissions	CHPERM	Y	Y
Create	CREATE	N/A	Y
Delete	DELETE	N/A	Y
Disable auditing	DISABLEAUDIT	Y	Y
Enable auditing	ENABLEAUDIT	Y	Y
Get attributes	GETATTR	Y	Y
Lookup	LOOKUP	Y	Y
Create directory	MKDIR	Y	N/A
Read a file	READ	N/A	Y
Read a directory	REaddir	Y	N/A
Rename	RENAME	Y	Y
Delete a directory	RMDIR	Y	N/A
Set attributes	SETATTR	Y	Y
Write to a file	WRITE	N/A	Y

Auditing of operations on MapR-DB tables

The following operations on MapR-DB tables are audited:

Operation	Name in audit logs
Create a column family	DB_CFCREATE
Modify a column family	DB_CFMODIFY
Delete a column family	DB_CFREMOVE
Scan a column	DB_CFSCAN
Get data	DB_GET
Perform incremental bulk load	DB_IMPORTBUCKET
Perform full bulk load	DB_IMPORTSEGMENT
Put data	DB_PUT
Compact a table region	DB_REGIONCOMPACT

Look up a region on the current node	DB_REGIONLOOKUP
Merge two consecutive regions	DB_REGIONMERGE
Split a region into two	DB_REGIONSPLIT
Configure a replica for a table	DB_REPLICAADD
Edit the replica for a table	DB_REPLICAEDIT
List the replicas for a table	DB_REPLICALLIST
Remove a replica for a table	DB_REPLICAREMOVE
Scan a table	DB_SCAN
Create a table	DB_TABLECREATE
View information about a table	DB_TABLEINFO
Modify a table	DB_TABLEMODIFY
Add an upstream source to a replica	DB_UPSTREAMADD
List all upstream sources for a replica	DB_UPSTREAMLIST
Remove an upstream source for a replica	DB_UPSTREAMREMOVE