volume analytics commands

Command reference

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volume analytics commands

volume analytics off

Disable collection of file system analytics for a volume

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

The `volume analytics off` command disables file system analytics on a volume.

Parameters

`-vserver <vserver name>` - Vserver Name

This specifies the Vserver in which the volume is located.

`-volume <volume name>` - Volume Name

This specifies the name of the volume on which file system analytics is being disabled.

`[-foreground <true>]` - Run Operation in the Foreground

If true, the command doesn't complete until the `analytics-state` of the volume is *`off`* . If false, the command returns immediately, and the `analytics-state` can be tracked using the volume analytics show command.

Examples

The following example disables file system analytics on a flexible volume named "flexvol" in Vserver "vs1":

```
cluster::*> volume analytics off -vserver vs1 -volume flexvol
```

Related Links

- volume analytics show

volume analytics on

Enable collection of file system analytics for a volume

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

The `volume analytics on` command enables file system usage analytics on a volume.

Parameters

`-vserver <vserver name>` - Vserver Name

This specifies the Vserver in which the volume is located.

`-volume <volume name>` - Volume Name

This specifies the name of the volume on which file system usage analytics is being enabled.

`[-foreground <true>]` - Run Operation in the Foreground

If true, the command doesn't complete until the `analytics-state` of the volume is *`on`* . If false, the command returns immediately, and the `analytics-state` and `scan-progress` can be tracked using the volume analytics show command.

Examples

The following example enables file system usage analytics on a flexible volume named "flexvol" in Vserver "vs1":

```
cluster::*> volume analytics on -vserver vs1 -volume flexvol
```

Related Links

- volume analytics show

volume analytics show

Display file system analytics information

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

The `volume analytics show` command displays the file system analytics information for a volume. By default, the command displays the following information:

- Vserver name
- Volume name
- File system analytics state

Parameters

`{ [-fields <fieldname>,…]`

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

`| [-instance ] }`

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-vserver <vserver name>] - Vserver Name

If this parameter and the `-volume` parameter are specified, the command displays file system analytics information about the specified volume. If this parameter is specified by itself, the command displays information about volumes on the specified Vserver.

[-volume <volume name>] - Volume Name

If this parameter and the `-vserver` parameter are specified, the command displays file system analytics information about the specified volume. If this parameter is specified by itself, the command displays information about all volumes matching the specified name.

[-state <Analytics State>] - State

If this parameter is specified, the command displays information only about the volume or volumes that have the specified file system analytics state.

[-scan-progress <percent>] - Scan Progress

If this parameter is specified, the command displays information only about the volume or volumes that have the specified file system analytics progress percentage. This value will only be set if a file system analytics initialization scan is in progress.

[-tracked-dirs <integer>] - Tracked Directories

If this parameter is specified, the command displays information only about the volume or volumes that have the specified number of tracked directories.

[-tracked-files <integer>] - Tracked Files

If this parameter is specified, the command displays information only about the volume or volumes that have the specified number of tracked files.

[-tracked-items <integer>] - Tracked Items

If this parameter is specified, the command displays information only about the volume or volumes that have the specified number of tracked items. An item is either a file or a directory.

[-top-level-dirs <integer>] - Top Level Directories

If this parameter is specified, the command displays information only about the volume or volumes that have the specified number of top level directories.

[-average-files-per-dir <integer>] - Average Files Per Directory

If this parameter is specified, the command displays information only about the volume or volumes that have the specified average number of files per directory.

[-files-scanned <integer>] - Number of Files Scanned

If this parameter is specified, the command displays information only about the volume or volumes that have the specified number of files scanned. This value will only be set if a file system analytics initialization scan is in progress.

[-total-files <integer>] - Total Number of Files

If this parameter is specified, the command displays information only about the volume or volumes that have the specified total number of files. This value will only be set if a file system analytics initialization scan is in progress.

Examples

The following example displays the file system analytics information on a flexible volume named "flexvol" in Vserver "vs1":

```
cluster::*> volume analytics show -vserver vs1 -volume flexvol
Vserver Name: vs1
  Volume Name: flexvol
        State: on
Scan Progress: -
```

volume analytics cluster-config modify

Modify the file system analytics cluster configuration

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

The `volume analytics cluster-config modify` command modifies the cluster level file system analytics configuration.

Parameters

`[-is-enabled-by-default {true|false}]` - Is Enabled by Default

This parameter controls whether file system analytics is enabled by default on all newly created Vservers. The default value is `true` .

Examples

The following example modifies the cluster level file system analytics configuration:

```
cluster::*> volume analytics cluster-config modify -is-enabled-by-default
true
```

volume analytics cluster-config reset

Reset the file system analytics cluster configuration

Availability: This command is available to *cluster* administrators at the *advanced* privilege level.

Description

The `volume analytics cluster-config reset` command resets the cluster-level file system analytics configuration to the platform default.

Examples

The following example resets the cluster level file system analytics configuration:

```
cluster::*> volume analytics cluster-config reset
```

volume analytics cluster-config show

Display the file system analytics cluster configuration

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

The `volume analytics cluster-config show` command displays the cluster level file system analytics configuration. By default, the command displays the following information:

- Is Enabled by Default

Examples

The following example displays information about the cluster level file system analytics configuration:

```
cluster::*> volume analytics cluster-config show
        Is Enabled by Default: True
```

volume analytics initialization pause

Pause the analytics file system scan

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

The `volume analytics initialization pause` command pauses the file system analytics scan.

Parameters

`-vserver <vserver name>` - Vserver Name

This specifies the Vserver in which the volume is located.

`-volume <volume name>` - Volume Name

This specifies the name of the volume on which file system analytics initialization is being paused.

Examples

The following example pauses the file system analytics scan on a volume named "vol1" in Vserver "vs1":

```
cluster::*> volume analytics initialization pause -vserver vs1 -volume
vol1
```

volume analytics initialization resume

Resume the analytics file system scan

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

The `volume analytics initialization resume` command resumes the file system analytics scan.

Parameters

`-vserver <vserver name>` - Vserver Name

This specifies the Vserver in which the volume is located.

`-volume <volume name>` - Volume Name

This specifies the name of the volume on which file system analytics initialization is being resumed.

Examples

The following example resumes the file system analytics scan on a volume named "vol1" in Vserver "vs1":

```
cluster::*> volume analytics initialization resume -vserver vs1 -volume
vol1
```

volume analytics initialization show

Display file system analytics information

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

The `volume analytics initialization show` command displays the file system analytics initialization information for a volume. By default, the command displays the following information:

- Vserver name
- Volume name
- File system analytics initialization state

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-vserver <vserver name>] - Vserver Name

If this parameter is specified, the command displays information only about the volumes in vservers that match the specified value for `-vserver`

[-volume <volume name>] - Volume Name

If this parameter is specified, the command displays information only about the volumes that match the specified value for `-volume`

[-state <Analytics Initialization State>] - State

If this parameter is specified, the command displays information only about the volume or volumes that have the specified file system analytics initialization state.

Examples

The following example displays the file system analytics initialization information on a volume named "vol1" in Vserver "vs1":

```
cluster::*> volume analytics initialization show -vserver vs1 -volume vol1
Vserver Name: vs1
  Volume Name: vol1
        State: Running
```

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