

Quest® Change Auditor for Fluid File System®
7.1

Event Reference Guide



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Legend

 **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

 **IMPORTANT NOTE, NOTE, TIP, MOBILE, or VIDEO:** An information icon indicates supporting information.

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Introduction

Traditional approaches to handling file data growth have proven to be costly, hard to manage, and difficult to scale effectively and efficiently. Dell™ Fluid File System (FluidFS) is designed to go beyond the limitations of traditional file systems with a flexible architecture that enables organizations to scale out and scale up non-disruptively. It addresses organizational challenges by allowing you to gain control of data, reduce complexity, and meet growing data demands over time.

The FluidFS architecture is an open-standards based network attached storage (NAS) file system that supports industry standard protocols including NFS v4 and CIFS/SMB v2.1. It provides innovative features proving high availability, performance, efficient data management, data integrity, and data protection.

Specifically, the FluidFS technology:

- Extends NAS capabilities across Dell's primary storage arrays, Compellent and EqualLogic
- Scales capacity and performance non-disruptively without forklift upgrades
- Removes scalability limitations associated with traditional monolithic NAS architectures
- Ensures efficiency by leveraging a shared infrastructure for block and file data
- Supports business continuity through a resilient, purpose-built hardware architecture

Change Auditor for Fluid File System tracks, audits and alerts on file and folder changes in real time, translating events into simple text and eliminating the time and complexity required by system provided auditing. You can set the auditing scope on an individual file or folder or an entire file system recursive or non-recursive. You can also include or exclude certain files or folders from the audit scope in order to ensure a faster and more efficient audit process.

i | **NOTE:** Change Auditor for Fluid File System audits only SMB operations on FluidFS clusters.

i | **NOTE:** FluidFS auditing and event logging are only available if you have licensed Change Auditor for Fluid File System and have applied a FluidFS auditing template for each file system to be audited. Contact your Sales Representative for more information on obtaining Change Auditor for Fluid File System.

This guide lists the events that captured by Change Auditor for Fluid File System. Separate event reference guides are available that list the core Change Auditor events (when any Change Auditor license is applied) and the events captured when the different auditing modules are licensed.

Change Auditor for Fluid File System Events

This section lists the audited events captured by Change Auditor for Fluid File System.

- i | **IMPORTANT:** When expecting large numbers of events, it may be necessary to increase the Max Events per Connection setting in the client (Agent Configuration on the Administration Tasks tab) to avoid an ever-increasing backlog of events waiting to be sent from the agent to the coordinator database.

- i | **NOTE:** To view a complete list of all the events, open the Audit Events page on the Administration Tasks tab in the client. This page contains a list of all the events available for auditing. It also displays the facility to which the event belongs, the severity assigned to each event, if the event is enabled or disabled, and the type of license that is required to capture each event.

FluidFS Administration

Table 1. FluidFS Administration events

Event	Description	Severity
FluidFS Folder auditing changed	Created when changes are made to the folder auditing list on the file server.	Medium
FluidFS Folder created	Created when a folder is created on the file server.	Medium
FluidFS Folder deleted	Created when a folder is deleted from a file server.	Medium
FluidFS Folder moved	Created when a folder is moved on a file server.	Medium
FluidFS Folder renamed	Created when a folder is renamed on a file server.	Medium
FluidFS Folder ownership changed	Created when a folder's ownership is changed on a file server.	Medium
FluidFS Folder access rights changed	Created when a folder's access rights have changed on a file server.	Medium
FluidFS File auditing changed	Created when changes are made to the file auditing list on the file server.	Medium
FluidFS File created	Created when a file is created on the file server.	Medium
FluidFS File deleted	Created when a file is deleted from a file server.	Medium
FluidFS File moved	Created when a file is moved on a file server.	Medium
FluidFS File renamed	Created when a file is renamed on a file server.	Medium
FluidFS File opened	Created when a file is opened on a file server.	Medium
	NOTE: After the first file open event, all subsequent opens by the same user do not generate events for 5 minutes. After 5 minutes, the accumulated open information is captured as one event.	
FluidFS File ownership changed	Created when a file's ownership is changed on a file server.	Medium

Table 1. FluidFS Administration events

Event	Description	Severity
FluidFS File access rights changed	Created when a file's access rights have changed on a file server.	Medium
FluidFS File contents written	Created when the contents are written on a file server. NOTE: After the first file write event, all subsequent writes by the same user do not generate events for 5 minutes. After 5 minutes, the accumulated write information is captured as one event.	Medium

Log Events

When event logging for FluidFS is enabled on the Agent Configuration page of the Administration Tasks tab in Change Auditor, FluidFS audited events will also be written to a Windows event log, named ChangeAuditor for FluidFS event log. These log events can then be gathered by InTrust and Quest Knowledge Portal for further processing and reporting.

ChangeAuditor for FluidFS event log

i | **NOTE:** To enable event logging, select Event Logging on the Agent Configuration page (Administration Tasks tab), and select the type of event logging to be enabled.

The following table lists the log events captured when FluidFS event logging is enabled. They are listed in numeric order by event ID.

Table 2. ChangeAuditor for FluidFS event log events

Event ID	Description
500	FluidFS Folder created
501	FluidFS Folder deleted
502	FluidFS Folder moved
503	FluidFS Folder renamed
504	FluidFS Folder ownership changed
505	FluidFS Folder access rights changed
506	FluidFS File created
507	FluidFS File deleted
508	FluidFS File moved
509	FluidFS File renamed
510	FluidFS File ownership changed
512	FluidFS File opened
514	FluidFS Folder auditing changed
515	FluidFS File auditing changed

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Our brand, our vision. Together.

Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in the Q itself symbolizes our need to add the missing piece—you—to the community, to the new Quest.

Contacting Quest

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Technical support resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request.
- View Knowledge Base articles.
- Sign up for product notifications.
- Download software and technical documentation.
- View how-to-videos.
- Engage in community discussions.
- Chat with support engineers online.
- View services to assist you with your product.