Manage FPolicy server connections

ONTAP 9

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Manage FPolicy server connections

Connect to external FPolicy servers

To enable file processing, you might need to manually connect to an external FPolicy server if the connection has previously been terminated. A connection is terminated after the server timeout is reached or due to some error. Alternatively, the administrator might manually terminate a connection.

About this task

If a fatal error occurs, the connection to the FPolicy server can be terminated. After resolving the issue that caused the fatal error, you must manually reconnect to the FPolicy server.

Steps

1. Connect to the external FPolicy server by using the vserver fpolicy engine-connect command.

   For more information about the command, see the man pages.

2. Verify that the external FPolicy server is connected by using the vserver fpolicy show-engine command.

   For more information about the command, see the man pages.

Disconnect from external FPolicy servers

You might need to manually disconnect from an external FPolicy server. This might be desirable if the FPolicy server has issues with notification request processing or if you need to perform maintenance on the FPolicy server.

Steps

1. Disconnect from the external FPolicy server by using the vserver fpolicy engine-disconnect command.

   For more information about the command, see the man pages.

2. Verify that the external FPolicy server is disconnected by using the vserver fpolicy show-engine command.

   For more information about the command, see the man pages.

Display information about connections to external FPolicy servers

You can display status information about connections to external FPolicy servers (FPolicy servers) for the cluster or for a specified storage virtual machine (SVM). This information can help you determine which FPolicy servers are connected.
About this task
If you do not specify any parameters, the command displays the following information:

- SVM name
- Node name
- FPolicy policy name
- FPolicy server IP address
- FPolicy server status
- FPolicy server type

In addition to displaying information about FPolicy connections on the cluster or a specific SVM, you can use command parameters to filter the command’s output by other criteria.

You can specify the `-instance` parameter to display detailed information about listed policies. Alternatively, you can use the `-fields` parameter to display only the indicated fields in the command output. You can enter `?` after the `-fields` parameter to find out which fields you can use.

Step
1. Display filtered information about connection status between the node and the FPolicy server by using the appropriate command:

<table>
<thead>
<tr>
<th>If you want to display connection status information about FPolicy servers…</th>
<th>Enter…</th>
</tr>
</thead>
<tbody>
<tr>
<td>That you specify</td>
<td>vserver fpolicy show-engine -server IP_address</td>
</tr>
<tr>
<td>For a specified SVM</td>
<td>vserver fpolicy show-engine -vserver vserver_name</td>
</tr>
<tr>
<td>That are attached with a specified policy</td>
<td>vserver fpolicy show-engine -policy-name policy_name</td>
</tr>
<tr>
<td>With the server status that you specify</td>
<td>vserver fpolicy show-engine -server-status status</td>
</tr>
</tbody>
</table>

The server status can be one of the following:

- connected
- disconnected
- connecting
- disconnecting
With the specified type

vserver fpolicy show-engine -server-type type

The FPolicy server type can be one of the following:

• primary
• secondary

That were disconnected with the specified reason

vserver fpolicy show-engine -disconnect-reason text

Disconnect can be due to multiple reasons. The following are common reasons for disconnect:

• Disconnect command received from CLI.
• Error encountered while parsing notification response from FPolicy server.
• FPolicy Handshake failed.
• SSL handshake failed.
• TCP Connection to FPolicy server failed.
• The screen response message received from the FPolicy server is not valid.

Example

This example displays information about external engine connections to FPolicy servers on SVM vs1.example.com:

```
cluster1::> vserver fpolicy show-engine -vserver vs1.example.com
FPolicy
Vserver Policy Node Server status type
--------------- --------- ------------ ------------- ---------------
vs1.example.com policy1 node1 10.1.1.2 connected primary
vs1.example.com policy1 node1 10.1.1.3 disconnected primary
vs1.example.com policy1 node2 10.1.1.2 connected primary
vs1.example.com policy1 node2 10.1.1.3 disconnected primary
```

This example displays information only about connected FPolicy servers:
Display information about the FPolicy passthrough-read connection status

You can display information about FPolicy passthrough-read connection status to external FPolicy servers (FPolicy servers) for the cluster or for a specified storage virtual machine (SVM). This information can help you determine which FPolicy servers have passthrough-read data connections and for which FPolicy servers the passthrough-read connection is disconnected.

About this task
If you do not specify any parameter, the command displays the following information:

- SVM name
- FPolicy policy name
- Node name
- FPolicy server IP address
- FPolicy passthrough-read connection status

In addition to displaying information about FPolicy connections on the cluster or a specific SVM, you can use command parameters to filter the command’s output by other criteria.

You can specify the -instance parameter to display detailed information about listed policies. Alternatively, you can use the -fields parameter to display only the indicated fields in the command output. You can enter ? after the -fields parameter to find out which fields you can use.

Step
1. Display filtered information about connection status between the node and the FPolicy server by using the appropriate command:

<table>
<thead>
<tr>
<th>If you want to display connection status information about…</th>
<th>Enter the command…</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPolicy passthrough-read connection status for the cluster</td>
<td>vserver fpolicy show-passthrough-read-connection</td>
</tr>
<tr>
<td>FPolicy passthrough-read connection status for a specified SVM</td>
<td>vserver fpolicy show-passthrough-read-connection -vserver vserver_name</td>
</tr>
</tbody>
</table>
### FPolicy passthrough-read connection status for a specified policy

<table>
<thead>
<tr>
<th>Vserver</th>
<th>Policy Name</th>
<th>Node</th>
<th>Server</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>vs2.example.com</td>
<td>pol_cifs_2</td>
<td>FPolicy-01</td>
<td>2.2.2.2</td>
<td>disconnected</td>
</tr>
<tr>
<td>vs1.example.com</td>
<td>pol_cifs_1</td>
<td>FPolicy-01</td>
<td>1.1.1.1</td>
<td>connected</td>
</tr>
</tbody>
</table>

### Detailed FPolicy passthrough-read connection status for a specified policy

```
cluster1::> vserver fpolicy show-passthrough-read-connection -policy-name pol_cifs_1 -instance

Node: FPolicy-01
Vserver: vs1.example.com
Policy: pol_cifs_1
Server: 1.1.1.1
Session ID of the Control Channel: 8cef052e-2502-11e3-88d4-123478563412
Server Status: connected
Time Passthrough Read Channel was Connected: 9/24/2013 10:17:45
Time Passthrough Read Channel was Disconnected: -
Reason for Passthrough Read Channel Disconnection: none
```