



cluster agent commands

ONTAP 9.12.1 commands

NetApp
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cluster agent commands

cluster agent connection create

Create agent connection

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

Description

Create a websocket connection to an external manager that will be used to monitor this cluster. The external manager will have access to REST APIs and CCMA counters based upon the privilege of the user creating the connection.

Parameters

-name <text> - Name

Specify connection name.

-destination <text> - Destination URL

Specify destination URL. For secure websocket, this should be amqpws://<host[:port]>

[-use-proxy {true|false}] - Use Proxy

Establish this connection through the HTTP Proxy server associated with this connection's IPspace.

[-subscribe-address <text>] - Subscribe Address

AMQP address to which ONTAP will subscribe. Defaults to "ontap.agent.manager".

[-publish-address <text>] - Publish Address

AMQP address to which ONTAP will publish. Defaults to "ontap.agent.cluster".

[-certificate-uuid <UUID>] - Auth Certificate UUID

Specify uuid of an existing certificate to use for authentication to the destination.

[-certificate-name <text>] - Auth Certificate Name

Specify name of certificate to be used for authentication to the destination. If paired with certificate-private-key, it names the new certificate.

[-csr-url <text>] - Auth CSR URL

URL to send certificate signing request (CSR) that will be used for authenticating with the destination.

[-csr-token <text>] - Auth CSR Token

Token for authenticating with CSR URL. Not audited.

[-manager-token <text>] - Manager Token

Specify token supplied by manager application to correlate the connection setup back to the workflow that initiated it.

[-ipSPACE <IPspace>] - IPspace for connection

The IPspace to use for the connection.

[-idle-timeout <integer>] - Idle Timeout

AMQP idle timeout. Defaults to 0. If set, the local peer will disconnect if it does not receive AMQP frames within the timeout

[-address-family {unknown|ipv4|ipv6}] - Address Family

Specify address family.

[-auto-delete-error-minutes <integer>] - Auto-delete when disconnected for specified minutes

Specify time to live in minutes for cloud agent connection in error state. Connection will be deleted if it stays in error state beyond this time.

Examples

```
cluster-1::> cluster agent connection create -name cloud_agent
-destination amqpws://manager.example.com
```

cluster agent connection delete

Delete agent connection

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

Description

Delete the connection to an external manager.

Parameters

-name <text> - Name

Specify connection name.

Examples

```
cluster-1::> cluster agent connection delete -name cloud_agent
```

cluster agent connection modify

Modify agent connection

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

Description

Modify agent connection properties.

Parameters

-name <text> - Name

Specify connection name.

[-destination <text>] - Destination URL

Specify destination URL. For secure websocket, this should be amqpwss://<host[:port]>

[-use-proxy {true|false}] - Use Proxy

Establish this connection through the HTTP Proxy server associated with this connection's IPspace.

[-subscribe-address <text>] - Subscribe Address

AMQP address to which ONTAP will subscribe. Defaults to "ontap.agent.manager".

[-publish-address <text>] - Publish Address

AMQP address to which ONTAP will publish. Defaults to "ontap.agent.cluster".

[-certificate-uuid <UUID>] - Auth Certificate UUID

Specify uuid of an existing certificate to use for authentication to the destination.

[-certificate-name <text>] - Auth Certificate Name

Specify name of certificate to be used for authentication to the destination. If paired with certificate-private-key, it names the new certificate.

[-csr-token <text>] - Auth CSR Token

Token for authenticating with CSR URL. Not audited.

[-idle-timeout <integer>] - Idle Timeout

AMQP idle timeout. Defaults to 0. If set, the local peer will disconnect if it does not receive AMQP frames within the timeout

[-address-family {unknown|ipv4|ipv6}] - Address Family

Specify address family.

[-auto-delete-error-minutes <integer>] - Auto-delete when disconnected for specified minutes

Specify time to live in minutes for cloud agent connection in error state. Connection will be deleted if it stays in error state beyond this time.

Examples

```
cluster-1::> cluster agent connection modify -name cloud_agent
-destination amqpwss://new-manager.example.com
```

cluster agent connection show

Display agent connections

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

Description

This command displays the connections that have been established to help external managers manage the cluster.

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.

[-name <text>] - Name

Selects the connections that match the supplied name.

[-uuid <UUID>] - UUID

Selects the connections that match the supplied uuid.

[-destination <text>] - Destination URL

Selects the connections that match the supplied desination.

[-state {connecting|connected|error|disabled|partial}] - State

Selects the connections that match the supplied state. The state can have one of the following values:

- `connecting` - The agent is in the process of establishing the connection.
- `connected` - The connection is up and active.
- `error` - The connection is down due to a problem. See `error-message` and `error-time` for details.
- `disabled` - The connection has been administratively disabled.

[-use-proxy {true|false}] - Use Proxy

Establish this connection through an HTTP Proxy server associated with this connection's IPspace

[-subscribe-address <text>] - Subscribe Address

AMQP address to which ONTAP will subscribe. Defaults to "ontap.agent.manager".

[-publish-address <text>] - Publish Address

AMQP address to which ONTAP will publish. Defaults to "ontap.agent.cluster".

[-certificate-uuid <UUID>] - Auth Certificate UUID

Selects the connections that match the supplied certificate-uuid.

[-certificate-name <text>] - Auth Certificate Name

Selects the connections that match the supplied certificate-name

[-csr-url <text>] - Auth CSR URL

URL to send certificate signing request (CSR) that will be used for authenticating with the destination.

[-manager-token <text>] - Manager Token

Selects the connections that match the supplied manager-token.

[-ipspace <IPspace>] - IPspace for connection

The IPspace to use for the connection

[-error-code <integer>] - Last Error Code

Selects the connections that match the supplied error-code.

[-error-message <text>] - Last Error Message

Selects the connections that match the supplied error-message.

[-error-time <MM/DD/YYYY HH:MM:SS>] - Last Error Time

Selects the connections that match the supplied error-time.

[-node <nodename>] - Node owning the connection

The node owning the connection

[-msg-recv-total <integer>] - Total messages received from manager

Total messages received from manager

[-msg-recv-manifest <integer>] - Total manifest messages received from manager

Total manifest messages received from manager

[-msg-recv-baseline-request <integer>] - Total baseline.request messages received from manager

Total baseline.request messages received from manager

[-msg-recv-counters-request <integer>] - Total counters.request messages received from manager

Total counters.request messages received from manager

[-msg-recv-connection-status <integer>] - Total connection status messages received from manager

Total connection status messages received from manager

[-msg-recv-connection-modify <integer>] - Total connection modify messages received from manager

Total connection modify messages received from manager

[-msg-recv-unknown <integer>] - Total unknown messages received from manager

Total unknown messages received from manager

[-msg-send-total <integer>] - Total messages sent to manager

Total messages sent to manager

[-msg-send-manifest-request <integer>] - Total manifest.request messages sent to manager

Total manifest.request messages sent to manager

[-msg-send-baseline <integer>] - Total baseline messages sent to manager

Total baseline messages sent to manager

[-msg-send-counters <integer>] - Total counters messages sent to manager

Total counters messages sent to manager

[-msg-send-connection-status <integer>] - Total connection status messages sent to manager

Total connection status messages sent to manager

[-msg-send-errors <integer>] - Total error messages sent to manager

Total error messages sent to manager

[-msg-delivery-errors <integer>] - Total errors encountered attempting to send/receive

Total errors encountered attempting to send/receive

[-msg-connection-total <integer>] - Total connection attempts

Total connection attempts

[-msg-connection-errors <integer>] - Total connection errors

Total connection errors

[-msg-transport-errors <integer>] - Total transport errors

Total transport errors

[-application <text>] - Client Application

Selects the connections that match the supplied application.

[-application-url <text>] - App URL

Selects the connections that match the supplied application-url.

[-idle-timeout <integer>] - Idle Timeout

AMQP idle timeout. Defaults to 0. If set, the local peer will disconnect if it does not receive AMQP frames within the timeout

[-address-family {unknown|ipv4|ipv6}] - Address Family

Specify address family.

[-auto-delete-error-minutes <integer>] - Auto-delete when disconnected for specified minutes

Specify time to live in minutes for cloud agent connection in error state. Connection will be deleted if it stays in error state beyond this time.

Examples

```
cluster-1::> cluster agent connection show
```

Name	Destination	State	Application	Use
Proxy				
-----	-----	-----	-----	
cloudinsights	amqpws://172.31.50.251	connected	Cloud Insights	
false				

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