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# Cloud connection commands

## cloud-management keepalive

Use `cloud-management keepalive` to set the keepalive interval for the local device to send keepalive packets to the H3C cloud server.

Use `undo cloud-management keepalive` to restore the default.

### Syntax

```
cloud-management keepalive interval  
undo cloud-management keepalive
```

### Default

The keepalive interval is 180 seconds.

### Views

System view

### Predefined user roles

network-admin

### Parameters

*interval*: Specifies the keepalive interval in the range of 180 to 600 seconds.

### Usage guidelines

If the device does not receive a response from the H3C cloud server within three keepalive intervals, the device sends a registration request to re-establish the cloud connection.

### Examples

```
# Set the keepalive interval to 360 seconds.  
<Sysname> system-view  
[Sysname] cloud-management keepalive 360
```

## cloud-management server domain

Use `cloud-management server domain` to configure the domain name of the H3C cloud server.

Use `undo cloud-management server domain` to restore the default.

### Syntax

```
cloud-management server domain domain-name  
undo cloud-management server domain
```

### Default

The default settings are as follows:

- The domain name of the cloud server is not configured for the S5560S-EI switch series.
- For other switch series:
  - The domain name of the cloud server is not configured for a switch that starts up with the initial configuration.

- The domain name of the cloud server is **oasis.h3c.com** for a switch that starts up with the factory defaults.

For more information about the initial configuration and factory defaults, see *Fundamentals Configuration Guide*.

## Views

System view

## Predefined user roles

network-admin

## Parameters

*domain-name*: Specifies the domain name of the H3C cloud server, a case-sensitive string of 1 to 253 characters.

## Usage guidelines

Before you configure the domain name of the H3C cloud server, make sure a DNS server has been configured to translate the domain name.

If you execute the command multiple times, the most recent configuration takes effect.

## Examples

# Configure the domain name of the H3C cloud server as **abc.com**.

```
<Sysname> system-view
[Sysname] cloud-management server domain abc.com
```

# display cloud-management state

Use **display cloud-management state** to display cloud connection state information.

## Syntax

```
display cloud-management state
```

## Views

Any view

## Predefined user roles

network-admin  
network-operator

## Examples

```
# Display cloud connection state information.
<Sysname> display cloud-management state
Cloud connection state   : Established
Device state             : Request_success
Cloud server address     : 10.1.1.1
Cloud server domain name : abc.com
Cloud server port        : 443
Connected at             : Wed Jan 27 14:18:40 2016
Duration                 : 00d 00h 02m 01s
Process state           : Message received
Failure reason           : N/A
```

**Table1-1 Command output**

Field	Description
Cloud connection state	Cloud connection state: <b>Unconnected</b> , <b>Request</b> , and <b>Established</b> .
Device state	Local device state: <ul style="list-style-type: none"> <li>• <b>Idle</b>—In idle state.</li> <li>• <b>Connecting</b>—Connecting to the H3C cloud server.</li> <li>• <b>Request_CAS_url</b>—Sent a central authentication service (CAS) URL request.</li> <li>• <b>Request_CAS_url_success</b>—Requesting CAS URL succeeded.</li> <li>• <b>Request_CAS_TGT</b>—Sent a ticket granting ticket (TGT) request.</li> <li>• <b>Request_CAS_TGT_success</b>—Requesting TGT succeeded.</li> <li>• <b>Request_CAS_ST</b>—Sent a service ticket (ST) request.</li> <li>• <b>Request_CAS_ST_success</b>—Requesting ST succeeded.</li> <li>• <b>Request_cloud_auth</b>—Sent an authentication request.</li> <li>• <b>Request_cloud_auth_success</b>—Authentication succeeded.</li> <li>• <b>Register</b>—Sent a registration request.</li> <li>• <b>Register_success</b>—Registration succeeded.</li> <li>• <b>Request</b>—Sent a handshake request.</li> <li>• <b>Request_success</b>—Handshake succeeded.</li> </ul>
Cloud server address	IP address of the H3C cloud server.
Cloud server domain name	Domain name of the H3C cloud server.
Cloud server port	TCP port number used to establish cloud connections.
Connected at	Time when the cloud connection was established.
Duration	Duration since the establishment of the cloud connection.
Process state	Cloud connection processing state: <ul style="list-style-type: none"> <li>• DNS not parsed.</li> <li>• DNS parsed.</li> <li>• Message not sent.</li> <li>• Message sent.</li> <li>• Message not received.</li> <li>• Message received.</li> </ul>
Failure reason	Cloud connection failure reason: <ul style="list-style-type: none"> <li>• DNS parse failed.</li> <li>• Socket connection failed.</li> <li>• SSL creation failed.</li> <li>• Sending CAS url request failed.</li> <li>• Sending CAS TGT failed.</li> <li>• Sending CAS ST failed.</li> <li>• Sending cloud auth request failed.</li> <li>• Sending registration request failed.</li> <li>• Processing CAS URL response failed.</li> <li>• Processing CAS TGT response failed.</li> <li>• Processing CAS ST response failed.</li> <li>• Processing cloud auth response failed.</li> <li>• Processing registration response failed.</li> <li>• Sending handshake request failed.</li> <li>• Processing handshake failed.</li> </ul>

Field	Description
	<ul style="list-style-type: none"><li>• Sending websocket request failed.</li><li>• Processing websocket packet failed.</li></ul>

## reset cloud-management tunnel

Use `reset cloud-management tunnel` to re-establish the cloud connection to the H3C cloud server.

### Syntax

```
reset cloud-management tunnel
```

### Views

User view

### Predefined user roles

network-admin

### Examples

```
# Re-establish the cloud connection to the H3C cloud server.
```

```
<Sysname> reset cloud-management tunnel
```