

# CDN node management

## CDN node state

### cdn show-nodes

Shows CDN nodes list visible by current node

Example:

```
cdn show-nodes
```

```
% cdn show-nodes
Ip           State  Processing state  Role      Version Group
-----
192.168.0.111 ACTIVE NEW_STREAMS_ALLOWED ORIGIN    2.3     null
192.168.0.102 ACTIVE NEW_STREAMS_ALLOWED TRANSCODER 2.3     null
```

### cdn show-state

Shows current CDN node state

Example:

```
cdn show-state
```

```
% cdn show-state
State
-----
NEW_STREAMS_ALLOWED
```

### cdn enforce-state

Explicitly set current CDN node state or clear previously set.

Parameters:

- `state` - node state

Example:

```
cdn enforce-state PASSIVE
```

```
% cdn enforce-state PASSIVE

% cdn show-state
State
-----
PASSIVE
```

If the parameter is not set, the command clears state that was previously set:

```
cdn enforce-state
```

```
% cdn enforce-state

% cdn show-state
State
-----
NEW_STREAMS_ALLOWED
```

## Transcoding profiles

### cdn profile-print

Shows transcoding profiles list set on current CDN node

Example:

```
cdn profile-print
```

```
% cdn profile-print
```

-----  
Profile -360p  
-----

Type	Width	Height	Bitrate	Codec	Quality
Video	0	360	0	h264	0

-----

Profile -480p  
-----

Type	Width	Height	Bitrate	Codec	Quality
Video	0	480	0	h264	0

-----

Profile -720p  
-----

Type	Width	Height	Bitrate	Codec	Quality
Video	0	720	0	h264	0

-----

Profile -240p  
-----

Type	Width	Height	Bitrate	Codec	Quality
Video	0	240	0	h264	0

cdn profile-remove

Remove the transcoding profile from the current CDN node

Parameters:

- `profile name` - transcoding profile name (mandatory)

Example:

```
cdn profile-remove -720p
```

```
% cdn profile-remove -720p

% cdn profile-print

-----
Profile -360p
-----

Type  Width Height Bitrate Codec Quality
-----
Video 0      360    0      h264    0

-----
Profile -480p
-----

Type  Width Height Bitrate Codec Quality
-----
Video 0      480    0      h264    0

-----
Profile -240p
-----

Type  Width Height Bitrate Codec Quality
-----
Video 0      240    0      h264    0
```

Stream routes

## cdn show-routes

Shows active stream routes in CDN visible by this node

Example:

```
cdn show-routes
```

```
% cdn show-routes
Route
-----
0-192.168.0.111-0-[AUDIO{bitrate=0, codec='opus', rate=48000, channels=2}, VIDEO{width=640, height=480, gop=null, fps=null, bitrate=0, codec='H264', codecImpl='', quality=0, preset=null, profile=null, level=null}]-test
```

## cdn show-route

Shows the stream routes visible by this CDN node

Parameters:

- `stream name` - stream name to show routes (mandatory)

Example:

```
cdn show-route test-240p
```

```
% cdn show-route test-240p
Route
-----
REQUESTED-PROFILE:[VIDEO{width=0, height=240, gop=null, fps=null, bitrate=0, codec='h264', codecImpl='null', quality=0, preset=null, profile=null, level=null}]
1-NEW-TRANSCODER-192.168.0.102:[]
2-PROXY-192.168.0.111:[AUDIO{bitrate=0, codec='opus', rate=48000, channels=2}, VIDEO{width=640, height=480, gop=null, fps=null, bitrate=0, codec='H264', codecImpl='', quality=0, preset=null, profile=null, level=null}]
```

## Stream ACL keys

### cdn acl-add

Set ACL keys to the stream

Parameters:

- `stream name` - stream name to set ACL (mandatory)
- `keys...` - ACL keys list divided by whitespace (mandatory)

Example:

```
cdn acl-add test key1 key2 key3
```

```
% cdn acl-add test key1 key2 key3

% cdn acl-print test
Key
-----
key1
key2
key3
```

## cdn acl-print

Shows ACL keys list for the stream

Parameters:

- `stream name` - stream name to show (mandatory)

Example:

```
cdn acl-print test
```

```
% cdn acl-print test
Key
-----
key1
key2
key3
```

## cdn acl-remove

Remove one or more ACL keys from the stream

Parameters:

- `stream name` - stream name to remove keys (mandatory)
- `keys...` - ACL keys list divided by whitespace (mandatory)

Example:

```
cdn acl-remove test key2
```

```
% cdn acl-remove test key2
```

```
% cdn acl-print test
```

```
Key
```

```
-----
```

```
key1
```

```
key3
```

## cdn acl-delete

Clear ACL keys list for the stream

Parameters:

- `stream name` - stream name to clear keys (mandatory)

Example:

```
cdn acl-delete test
```

```
% cdn acl-delete test
```

```
% cdn acl-print test
```

```
ACL test not found
```

## Signaling connections management

### cdn show-connections

Dispalys active CDN 2.4 connections

Example:

```
cdn show-connections
```

```
% cdn show-connections
```

Ip	State	Inbound	Outbound	Last rtt	Max rtt	Last SN	In flight
-----							
10.10.10.10	ACTIVE	false	true	1	2057	127	0