

# Testing with web interface

For backend server testing purposes, there is a web interface available by URL

`https://hostname:8090/index.html`

## Profile addition

To add a profile, fill the `Name`, `Rate`, `Rules` and `Metrics` fields. Press `Profile new`

Profile list	Id: <input type="text"/>					
Profile new	Name: <input type="text" value="testprofile"/>	Rate: <input type="text" value="5"/>	Rules: <input type="text" value="13"/>	Metrics: <input type="text" value="4, 7"/>		
Profile update	Id: <input type="text"/>	<input type="button" value="Load by id"/>	Name: <input type="text"/>	Rate: <input type="text"/>	Rules: <input type="text"/>	Metrics: <input type="text"/>
Profile delete	Id: <input type="text"/>					

Press `Profile list`. A list of profiles will appear at the bottom of the page

### Request:

```
POST: /api/profile/list "application/json; charset=utf-8"
{"id":""}
```

### Alarms:

### Response:

```
[
  {
    "id": 14,
    "name": "all",
    "rate": 5,
    "metrics": [
      1,
      2,
      3,
      4,
      5,
      6,
      7,
      8,
      9,
      10,
      11,
      12
    ],
    "rules": [
      13
    ]
  },
  {
    "id": 16,
    "name": "testprofile",
    "rate": 5,
    "metrics": [
      4,
      7
    ],
    "rules": [
      13
    ]
  }
]
```

## Rule addition to a profile

To add a rule, fill **Name**, **Value**, **Profiles** fields. Press **Rule new**

Rule list	Id: <input type="text"/>	ProfileId: <input type="text"/>
Rule new	Type: <input type="text" value="1"/> Name: <input type="text" value="testrule"/> Value: <input type="text" value="."/> Profiles: <input type="text" value="16"/>	
Rule update	Id: <input type="text"/> Load by id: <input type="text"/> Type: <input type="text" value="Stream name"/> Name: <input type="text"/> Value: <input type="text"/> Profiles: <input type="text"/>	
Rule delete	Id: <input type="text"/>	

Press **Rule list**. A list of rules will appear at the bottom of the page

#### Request:

```
POST: /api/rule/list "application/json; charset=utf-8"
{"id":"","profileId":""}
```

#### Alarms:

#### Response:

```
[
  {
    "id": 13,
    "profiles": [
      14,
      16
    ],
    "type": 0,
    "name": "all",
    "value": ".*"
  },
  {
    "id": 17,
    "profiles": [
      16
    ],
    "type": 0,
    "name": "testrule",
    "value": ".*"
  }
]
```

## Node addition

To add a node, fill **Ip**, **Port**, **ProfileList** fields. Press **Node new**

Node list	Id: <input type="text"/>		
Node new	Ip: <input type="text" value="127.0.0.1"/>	Port: <input type="text" value="7777"/>	ProfileList: <input type="text" value="14"/>
Node update	Id: <input type="text"/>	Load by id	Ip: <input type="text"/> Port: <input type="text"/> Profiles: <input type="text"/>
Node delete	Id: <input type="text"/>		

Press **Node list**. A list of nodes will appear at the bottom of the page

#### Request:

```
POST: /api/node/list "application/json; charset=utf-8"
{"id":""}
```

#### Alarms:

#### Response:

```
[
  {
    "id": 15,
    "host": "127.0.0.1",
    "port": 7777,
    "profiles": [
      14
    ]
  }
]
```

## Obtaining current information about streams

Open Two-way Streaming example, publish a stream. Set the node identifier and press

**Stream cache list**

<b>Stream cache list</b>	Id: <input type="text" value="3"/>	MediaId: <input type="text"/>
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A list of streams will appear at the bottom of the page

### Request:

```
POST: /api/stream/list "application/json; charset=utf-8"
{"node": "3", "mediaId": "", "name": "", "publisher": "", "status": ""}
```

### Alarms:

### Response:

```
[
  {
    "VIDEO_SYNC": 3767944032329,
    "AUDIO_SYNC": 3767944032334,
    "VIDEO_NACK": 17,
    "mediaId": "dee968a0-806d-11e9-90b4-df338db69136",
    "METRIC_RESOURCE": 0,
    "AUDIO_RATE": 31456,
    "STREAM_RESOURCE": 0,
    "AUDIO_LOST": 19,
    "VIDEO_CODEC": 119,
    "HEADER_RESOURCE": 0,
    "VIDEO_PLI": 0,
    "name": "test2",
    "publisher": null,
    "VIDEO_RATE": 843024,
    "AUDIO_CODEC": 111,
    "VIDEO_WIDTH": 320,
    "VIDEO_HEIGHT": 240,
    "VIDEO_FPS": 17,
    "age": 412,
    "KEEP_ALIVE": 0,
    "status": "PUBLISHING"
  }
]
```

Copy **node** and **mediaId** parameters to **MediaId** и **NodeId** fields, press **STOMP subscribe**

STOMP subscribe

STOMP unsubscribe

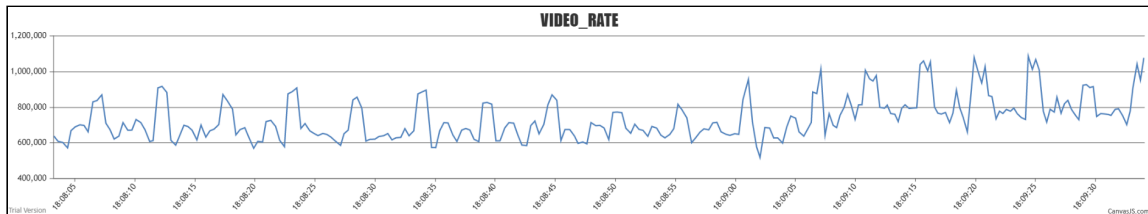
MediaId: dee968a0-806d-11e9-90b4-c

NodeId: 3

Node status

Id:

In a separate browser tab, video bitrate graph begins to be drawn



Press **Close**. The graph tab will be closed, STOMP messages with stream data will be stopped

Streams

NodeId:

MediaId:

Metrics

Id:

STOMP subscribe

MediaId: 123bdd40-85ec-11e9-aac3-8

NodeId: 3

Stomp Id	Media Id	Server Id	Action
sub-4	123bdd40-85ec-11e9-aac3-85bc07f60bba	3	Close