API overview

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API URLs

Web Call Server uses two URLs for REST API

НТТР	HTTPS
http://host:8081/rest-api	https://host:8444/rest-api

To invoke the REST API, you have to make request using the following format:

- Protocol: HTTP or HTTPS
- Content Type: application/json
- Method: POST
- · Body: JSON

Settings

Ports

By default, server accepts REST HTTP requests on 8081 TCP port and REST HTTPS requests on 8444 TCP port. Those values are defined with the following settings in flashphoner.propertiesfile

```
http.port=8081
https.port=8444
```

Cross-domain requests

Cross-domain request are managed with the following settings inflashphoner.propertiesfile

```
rest_access_control_allow_origin=*
rest_access_control_allow_headers=content-type,x-requested-with
rest_access_control_allow_methods=POST
```

By default, cross-domain requests from any address are allowed, to make port redirection work.

Authorization

REST API requests are handled without user authorization by default. HTTP basic authorization may be enabled with the following parameter in flashphon er.propertiesfile if necessary

```
disable_rest_auth=false
```

When authorization is enabled, REST API users are managed from WCS core CLI.

For cross-domain requests, custom headers have to be added using the following parameter inflashphoner.properties file:

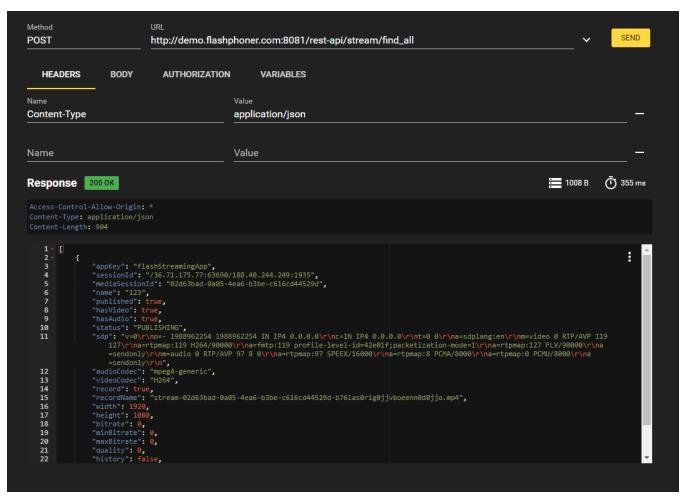
rest_access_control_headers=Access-Control-Allow-Origin: <origin>;Access-Control-Allow-Credentials: true;Access-Control-Allow-Methods: GET, POST, PUT, DELETE, OPTIONS;Access-Control-Allow-Headers: Origin, X-Requested-With, Content-Type, Accept, Authorization

Here <origin>is the request source, e.g. http://test.flashphoner.com.

Testing

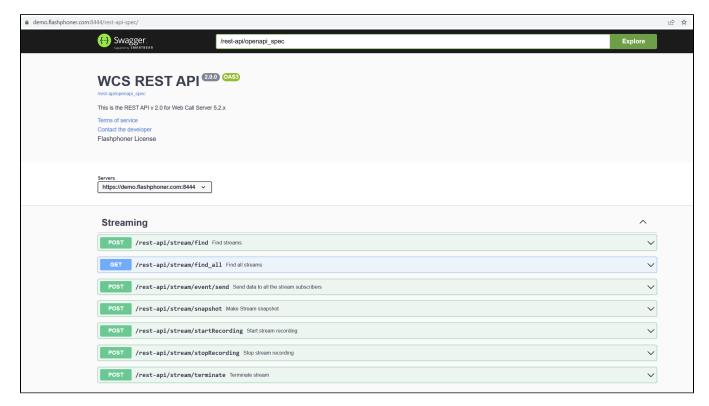
For testing purpose you can use a REST client. I.e.Advanced REST Consolefor browser Google Chrome.

On the screenshot below you can see how to get list of streams by REST API using REST method/stream/find_all



OpenAPI specification

Since build 5.2.1343 REST API can be displayed and tested according to OpenAPI 3 specification. OpenAPI specification file can be downloaded by URL https://demo.flashphoner.com:8444/rest-api-spec in YAML format, UI is vailable by URL https://demo.flashphoner.com:8444/rest-api-spec/, where demo.flashphoner.com is WCS server address



Every REST API query can be explored and tested using Swagger UI



Required fields are marked by * character on Schema tab.

