API overview

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API URLs

Web Call Server uses two URLs for REST API

HTTP	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
```

In WebCallServer previous versions, the manager module handles REST queries on 9091 and 8888 ports respectively. For existing web applications to work after server update, the following parameters are provided inwcs-manager.propertiesfile

```
-Dmanager.rest_redirect_http_port=8081
-Dmanager.rest_redirect_https_port=8444
```

Authorization

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

```
disable_rest_auth=false
```

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

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.

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 method/stream/find_all

