

Configuration

Server configuration is performed in the following file:

`/etc/saymon/saymon-server.conf`

Section `cache` contains Redis auth settings:

```
"auth_pass" : "password"
```

Section `mqtt` contains MQTT-broker connection settings:

```
"broker" : "address and port of the broker", e.g. "mqtt://localhost:1883"
```

To authenticate by name + password, it is necessary to specify user data before the server address:

```
"broker" : "mqtt://user:password@localhost:1883"
```

If using SSL-encryption you need to provide paths to CA Server, clients key and certificate:

```
"ca": "path/to/ca.server.crt",  
"certificate": "path/to/client.crt",  
"key": "path/to/client.key"
```

Section `openTsdB` contains OpenTSDB auth settings:

```
"enabled" : "write history data to OpenTSDB (false or true, true by  
default)"  
"host" : "OpenTSDB host address"  
"port" : "OpenTSDB port"
```

Section `server` contains general server settings:

```

"sql_history_enabled" : "write history data to MySQL (false or true, false by default)"
"history_update_period" : "history data write period (milliseconds); 0 - immediate recording of incoming values"
"redis_populate_period" : "population period of information about objects and links from MongoDB to Redis (milliseconds)"
"default_result_timeout" : "defines how long the last received data from agent is valid before the object state is triggered to "No data on object" (milliseconds)"
"debug" : "debug-mode for saymon-server.log (false or true, false by default)"
"sms_script": "path to the script that sends SMS notifications"
"voice_call_script": "path to the script that establishes voice calls"
"comet_port" : "port for the secured connection"
"comet_secure" : "ssl-connection (false or true, false by default)"
"comet_ssl_certificate" : "path to the certificate"
"comet_ssl_key" : "path to the key"
"self_object_id" : "selfmonitoring object ID"
"colorize_log" : "colorize log (false or true, false by default)"
"event_log_max_bytes" : "MongoDB console records size at which data is rotated (bytes, 1 GB by default)"
"notification_buffering_period" : "the period to collect all messages about state changes of objects and send grouped notification to the user (in milliseconds; 0 - disables buffering)"
"conditional_incidents_enabled" : "enables incidents functionality (false or true, false by default)"
"discovery_parent_id": "id of the object to place new network devices, discovered by agents"
"retain_expired_stat" : "storage of the latest received data after their obsolescence (false or true, false by default)"
"stat_local_timestamp_field_name" : "field name in which the time is displayed with which it is necessary to store data in OpenTSDB"

```

Subsection **email** contains email-server settings:

```

"disables" : "send email notifications (false or true, true by default)
  "transport" {}
    "host" : "mail server address, e.g. 'smtp.gmail.com'"
    "port" : "port number, e.g. '465'",
    "secure" : "true or false",
    "auth" {}
      "user" : "user login"
      "pass" : "user password"
    "fields" {}
      "from" : "sender email address, e.g., saymon@saas.saymon.info"
    "max_json_length": "number of symbols to send in email notifications (1000 by default)"

```

Section **rest_server** contains REST-server settings:

```
"ip_address" : "host address to run REST-server"
"port" : "REST-server port"
"base_url" : "API path (`/api` by default)"
"debug" : "debug-mode for saymon-rest-server.log (false or true, false by default)"
"document_storage_dir" : "path to a directory to store .pdf, .jpeg other documents attached to objects"
"document_download_url" : "url to files stored in $document_storage_dir (`http://localhost/node/api/docs` by default)"
"update_download_url" : "path to agents update file (`http://localhost/node/api/agents/update` by default)"
"colorize_log" : "colorize log (false or true, false by default)"
"public_url" : "address for links in notifications (e.g. "https://your.server.com/index.html")"
```

Section **ldap** contains external LDAP-server settings to authorize users:

```
"url" : e.g. "ldap://127.0.0.1:389",
"suffix" : e.g. "dc=saymon,dc=info",
"login" : e.g. "cn=admin,dc=saymon,dc=info",
"pass" : e.g. "root"
```

Section **push_notification** contains parameters of push notifications in mobile application:

```
"disabled" : "disables notifications (true or false, false by default)"
"url" : "url, received by user from Firebase to send notification content from server to it (`https://saymon-mobile.firebaseio.com` by default)"
"key_path" : "path to SAYMON server authorization key on Firebase server (`/etc/saymon/saymon-mobile-firebase-adminsdk.json` by default)"
"on_state_change" : "sends notifications when state changes, in case of another notification source - MQTT messages (true or false, true by default)"
"timeout" : "time in milliseconds after which notification is sent to each user (no more than once every 5000)"
```

To apply changes saymon-server service has to be restarted:

```
sudo service saymon-server restart
```