

Token authentication

To set up a server for token authentication with REST API

1. Set up authentication to work with your SAML/SSO, if needed.
2. Open `<install_root>/AuthServer/config/authserver.properties`.
3. Find key **authentication.client.ids** and add **,twc-rest-api** at the end of the value. Save and close the file.



The comma before **twc-rest-api** is a separator.

4. Open `<install_root>/TeamworkCloud/configuration/application.conf`.
5. Find the **esi.auth** block and set the server value to your authentication server IP. Save and close the file.
6. Restart the Authentication server and Teamwork Cloud server.

To use token authentication with REST API

1. Open REST API at the following URL: <https://<ip>:8111/osmc/authn/login> on a browser to redirect to the Authentication server login page.
2. Enter your credentials. The browser shows you a token, usually starting with eyJ....

```
login token is
eyJhbGciOiJIUzI1NiIsInR5eSI6ImFpbWV1bGVkaXNldCJndmQioiOj04ZDZmtcmVzdChhcGlkLGlpc3MiOiJoYWRwcwcpL1lwMTkyLjE2OC4yMgYuMTMzMzQlbnVtClFL2FlidGhlbnRpY2FoZW91IiwiaXhwIjojanNA4MTEmOTgxLCUpYXkiOiJ2MDgzMTMyODF5H9PEHEwSdmRhwxRRjtQC1peoOdqYIEHgKcxClxagZMtMHRHOfb_egcGSB-87wlv3ti3u8zRLIHcaAsgAgOytMu5Y36gcWBcm4f1_XfQu6eq_4bpusGu2bVPFF3L3lm7Zdcow7uzofHbMCRC18GLEnhGINLGnGCxt_a3tv0Om_4d16-9JlwmAVtKWdnuJyvpeeACxl3au7k8ELIXopc3Jfbpf-lqgd-FwL7ojWqxQcyVRrRixgV_DdwlvVueRrvNV80vc2PhLphEOlgNrqi9IgPmcGGzpIFvdCcGb36veVLJKBS2Xaarly78bDVdlfwPKM2GaasdsOkXNuSWuxggqvOV5ig
```

All attributes: {args.restlet.startTime=1608113281959, Metric-Start-Time-In-Milliseconds=1608113281959, arg.restlet.headers.keySize=0, Metric-Start-Time-In-Milliseconds-com.nomic.esi.rest.osmc.a.h.b.=1608113281959, esi.dnm.query.cors.request=false, e.session=session/User=oom, In=Daeel9-j8-65FO-4ce6-B18a-26e3891d346e), com.nomic.esi.rest.osmc.a.j.login_token=eyJhbGciOiJIUzI1NiIsInR5eSI6ImFpbWV1bGVkaXNldCJndmQioiOj04ZDZmtcmVzdChhcGlkLGlpc3MiOiJoYWRwcwcpL1lwMTkyLjE2OC4yMgYuMTMzMzQlbnVtClFL2FlidGhlbnRpY2FoZW91IiwiaXhwIjojanNA4MTEmOTgxLCUpYXkiOiJ2MDgzMTMyODF5H9PEHEwSdmRhwxRRjtQC1peoOdqYIEHgKcxClxagZMtMHRHOfb_egcGSB-87wlv3ti3u8zRLIHcaAsgAgOytMu5Y36gcWBcm4f1_XfQu6eq_4bpusGu2bVPFF3L3lm7Zdcow7uzofHbMCRC18GLEnhGINLGnGCxt_a3tv0Om_4d16-9JlwmAVtKWdnuJyvpeeACxl3au7k8ELIXopc3Jfbpf-lqgd-FwL7ojWqxQcyVRrRixgV_DdwlvVueRrvNV80vc2PhLphEOlgNrqi9IgPmcGGzpIFvdCcGb36veVLJKBS2Xaarly78bDVdlfwPKM2GaasdsOkXNuSWuxggqvOV5ig, arg.restlet.http.headers={Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp/*;*=0.8}, [Upgrade-Insecure-Requests: 1], [User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:78.0) Gecko/20100101 Firefox/78.0], [Connection: keep-alive], [Referer://192.168.228.133:8554 /authentication/authenticate?scope=openid&response_type=code&redirect_uri=https:// %2F%2F192.168.228.133:8111%2Fosmc%2FAuthen%2FAuthenticate&client_id=http-rest-api], [Host: 192.168.228.133:8111], [Accept-Language: en-US,en;q=0.5], [Accept-Encoding: gzip, deflate, br], [DNST: 1]], arg.restlet.headers sessionId=297EC4C17b679f53966a05E26800cc2E9ale07F409FE74c32defIE5937F541Ba42}

3. Copy the token and use it to log on to REST API.



The token is used in an Authorization header with the **Token Type**.

For example (using a token with cURL):

```
curl -v -k -H "Authorization: Token
eyJhbGciOiJSUzI1NiJ9.eyJzdWUiOiJBZG1pbmlzZDhhdG9yIiwiaXVkIjoidHdjLXJlc3QtYXBp
IiwiaXNzIjoiaHR0cHM6X29kLzE2Ny4wLWJlAUMT04NTU1XC9hdXRoZW50aWNoGlVbiIsImV4cCI6MTYwNjI5OTc3NywiawF0IjoxNjA2Mjk4ODc3fQ.
ba-S5hNeSLV8AfoQVzzfseC3qlmqQoBQREiapHN615CcvwetKdSVtWkKssGjm31Y1zqoULio7_1Ma
mtGbbzbvA1WWQYFRiYk0D612yNdv4uNHBBNLNEv61TYNLwdPwPh0atVRehkh-
LSgjjpTxVxj4mZViE0NHKIG9U7htA9Zvzvck2JDxe_uE2-
4TCNm8II89R0aEb1tZ5nD84ieRbzJwqrcVTdqu2YfbIUeew5Nir8obkLYgixBxFKwsThi3jNuoBx3
KcAiYzQl6cjtsCER4wbk4PEEDC57UvS0csXwr6yvxIoVdJM0iDh0_fJmkg0jDqSyIL-2B210-Y-GA"
https://127.0.0.1:8111/osmc/login
```

The result is as follows:

```
> GET /osmc/login HTTP/1.1
> Host: 127.0.0.1:8111
> User-Agent: curl/7.55.1
> Accept: */*
> Authorization: Token
eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJBZG1pbmlzdHJhdG9yIiwiaXVkiJjoidHdjLXJlc3QtYXBp
IiwiaXNzIjoiaHR0cHM6XC9cIzEyNy4wLjAuMT04NTU1XC9hdXRoZW50YWVhdGlvb3RlbiIsImV4cCI6M
TYWnjI5OTc3NywiawF0IjoxNjA2Mjk4ODc3fQ.ba-
S5hHeSlV8AFoQvzzfIseC3qlmqQoBQREiapHN6I5CcwwetKdSVztWKkssSGjm31Y1zqoULio7_1Ma
mtGBbbzvA1WWQYFRiYkOd612yNDv4uNHBBNLNEv61TYNLwdPwPh0atVRekh-
LSgjipXTvxJ4mZViE0NHKIG9U7htA9Zvvxcck2JDxe_eU2-
4TCNm8II89R0aEb1tZ5nD84ieRbzJwqrCVtdQU2YfbIUeew5Nr8obkLYgixBXFKwsThi3jNuoBx3
KcAiYzQL6cjtsCER4wbk4PEEDC57UVs0csXwr6yvXIovdJM0idHo_fJMkgOjDqSyIL-2B210-Y-GA
>
< HTTP/1.1 204 No Content
< Content-Length: 0
< Content-Type: application/octet-stream
< Date: Wed, 25 Nov 2020 10:08:44 GMT
< Accept-Ranges: bytes
< Server: Restlet-Framework/2.2.3
< Vary: Accept-Charset, Accept-Encoding, Accept-Language, Accept
< Set-Cookie: twc-rest-current-user=Administrator; Path=/osmc; Expires=Wed, 25 Nov 2020 10:23:44 GMT
< Set-Cookie: twc-rest-session-id=f40ef933-5461-4058-a1e7-9b8d4021aa8a; Path=/osmc; Expires=Wed, 25 Nov 2020 10:
23:44 GMT
<
* Connection #0 to host 127.0.0.1 left intact
```