

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://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
eyJhcGciOiJlSUZuZWt1NiI9eyJzdWllOiJvdW0iLCJhdWQiOiJ0d2MmcmVzdc1hcGkiLCJpc3MiOiJodHRwczpwL1lwMTYyKjE2OCQ4YmJuMTMzMzoiJGVnciE2PldghbnRvY2F0aW9uIiwiaXNwIjoxNmJAAMTEOMTgxLCJkYXJOYXJOe2MDgzcMTTYwODF9.H9FEHwS5dmRWxixRJQTQ...
1PeOdqYIEH6xcKxlYagZMMRHROfVhg_egcgZSb-
87lw3tk3isuzKLHHCaa8gOytum5y36GbWcMbA1_XfqUge_4bpusGu2bVVF3L31M7zdoc7uZofzhMcRi8GIEnhGINLgcGCKt_astv0om_4416-9
JzlVMATvTdNWivpyeeAY3au7k8ELiox3o3fbfp-lqgd-
FWl7uJ0w9XqcYvHrRjxgv_DdwIVuerNrV80yc2LhPhQoLgNrq9IgI9pmcGG2pIFvDcGcb36eVlJKB52Xaar1y78bDVUlFwFKM2GaasdsOk
XNSw9gxyov5VLg
All attributes: {org.restlet.start.time=1608113281959, Metric-Start-Time-In-Millsecsconds=1608113281959,
org.restlet.headers.keysize=0, Metric-Start-Time-In-Millsecsconds.com.nmagic.esi.rest.osmc.a.h.b.=1608113281959,
esi.dm.query.cors.response=false, e.session=Session(User=:um, Id=:0ae19c80-65f0-4c6b-81a4-26e3891d346e),
com.nmagic.esi.rest.osmc.a.j.login.token=eyJhcGciOiJlSUZuZWt1NiI9eyJzdWllOiJvdW0iLCJhdWQiOiJ0d2MmcmVzdc1hcGkiLCJpc3MiOiJodHRwczpwL1lwMTYyKjE2OCQ4YmJuMTMzMzoiJGVnciE2PldghbnRvY2F0aW9uIiwiaXNwIjoxNmJAAMTEOMTgxLCJkYXJOYXJOe2MDgzcMTTYwODF9.H9FEHwS5dmRWxixRJQTQ-1PeOdqYIEH6xcKxlYagZMMRHROfVhg_egcgZSb-
87lw3tk3isuzKLHHCaa8gOytum5y36GbWcMbA1_XfqUge_4bpusGu2bVVF3L31M7zdoc7uZofzhMcRi8GIEnhGINLgcGCKt_astv0om_4416-9
JzlVMATvTdNWivpyeeAY3au7k8ELiox3o3fbfp-lqgd-
FWl7uJ0w9XqcYvHrRjxgv_DdwIVuerNrV80yc2LhPhQoLgNrq9IgI9pmcGG2pIFvDcGcb36eVlJKB52Xaar1y78bDVUlFwFKM2GaasdsOk
XNSw9gxyov5VLg, org.restlet.http.headers=[{Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=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: //192.168.228.133:8555/authentication/authenticate?scope=openid&response_type=code&redirect_uri=https://192.168.228.133:8111?%2Fosmc%2Fauthen%2Fauthenticate&client_id=twc-rest-api}], [Host: 192.168.228.133:8111], [Accept-Language: en-US,en;q=0.5], [Accept-Encoding: gzip, deflate, br], [DNST: 1]],
org.restlet.headers.sslsessionId=297EC4C17b679f53966a05E26800ce29Ea1e02F090e74c321ed5937f541Ba42}
```

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
eyJhbGciOiAiIiwiaWF0IjE5OTc3NDY2NDVhbnBhbnNleV61TYnLWdPwPh0atVREhkh-
LSGjipXTvXj4mZViE0NHKIG9U7htA9Zzvzvck2jDXe_eU2-
4TCNm8II89ROaEb1tZ5nD84ieRbZJWqrcVTdqU2YfbIUeew5Nir8obkLYgixBXFKWsThi3jNu0Bx3
KcAiYzqL6c3tCER4wbk4PEEDC57UVsOcsXWr6yvxIOvdJMOiDHo_fJmkgOjDqSGYIL-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
eyJhbGciOiJSUzI1NiJ9.eyJzdWIiOiJBZG1pbmlzdHJhdG9yIiwiaXVkiOiJoidHdjLXJlc3QtYXBpIiwiaXNzIjoiaHR0cHM6XC9cLzEyNy4wLjAuMT04NTU1XC9hdXR0ZW50aWNhdGlubiIsImV4cCI6MTYwNjI5OTc3NywiaWF0IjoxNjA2Mjk4ODc3fQ.ba-
S5hHeSlV8AFoQVzzfIsec3qlmqQoBQREiapHN6I5CcvwetKdSVztWkksSSGjm3lYlzoULio7_1Ma
mtGBbbzvAlWWQYFRiYk0D612yNDv4uNHBBNLNEv61TYNLwdPwPh0atVRehkh-
LSgjipXTvXj4mZViE0NHKIG9U7htA9Zzvzvck2JDxe_eU2-
4TCNm8II89ROaEbltZ5nD84ieRbzJWqrcVTdqU2YfbIUeew5Nir8obkLYgixBXFKWsTHi3jNuoBx3
KcAiYzqL6cjtsCER4wbk4PEEDC57UVsOcsXWr6yvXIovdJMOiDHo_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-ale7-9b8d4021aa8a; Path=/osmc; Expires=Wed, 25 Nov 2020 10:
23:44 GMT
<
* Connection #0 to host 127.0.0.1 left intact
```