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# Generating CSRF token and Session ID

The CSRF token-Session ID pair is required in order to call the other REST API calls.

The process for generating the pair consists of 2 sequential calls to the login screen of the dashboard:

1. Initial call to the dashboard:

```
curl -s -D - https://<dashboard>/accounts/login/?next=/ -o /dev/null
```

a. **dashboard** - is the dashboard on which you are required to perform the REST API calls, e.g. support.locsec.net.

b. The result text should look like this:

```
HTTP/1.1 200 OK
Server: Lagoon CrazyWeb 2.13
Date: Tue, 22 Jul 2014 06:50:36 GMT
Content-Type: text/html; charset=utf-8
Transfer-Encoding: chunked
Connection: keep-alive
Keep-Alive: timeout=5
Vary: Accept-Encoding
Expires: Tue, 22 Jul 2014 06:50:36 GMT
Vary: Cookie, Accept-Encoding
Last-Modified: Tue, 22 Jul 2014 06:50:36 GMT
Cache-Control: max-age=0
X-Frame-Options: SAMEORIGIN
Set-Cookie: csrftoken=Xz12FuJszhjrrxCejak4uI0NKKfF4kdQ; expires=Tue, 21-Jul-2015 06:50:36 GMT; Max-Age=31536000
Set-Cookie: sessionid=e5jslacllo8kovfx6psbsr9thwcs2u11; httponly; Path=/
```

i. Return code 200 means success.

ii. Write down the csrftoken and the sessionid.

2. Second call to the dashboard:

```
curl -X POST -H "Content-Type: application/x-www-form-urlencoded" -H "Cookie:csrftoken=<csrftoken>;\
sessionid=<sessionid>" -H "Referer:https://<dashboard>/accounts/login/?next=/" --data \
"csrfmiddlewaretoken=<csrftoken>&username=<username>&password=<password>" \
-s -D - https://<dashboard>/accounts/login/
```

a. **dashboard** - is the dashboard on which you are required to perform the REST API calls, e.g. support.locsec.net.

b. **csrftoken** - is the csrftoken generated in the previous step.

c. **sessionid** - is the sessionid generated in the previous step.

d. **username** - is a user name of an existing user in the dashboard.

e. **password** - is the password for the user.

f. The result text should look like this:

```
HTTP/1.1 302 FOUND
Server: Lagoon CrazyWeb 2.13
Date: Tue, 22 Jul 2014 06:58:38 GMT
Content-Type: text/html; charset=utf-8
Transfer-Encoding: chunked
Connection: keep-alive
Keep-Alive: timeout=5
Expires: Tue, 22 Jul 2014 06:58:38 GMT
Vary: Cookie
Last-Modified: Tue, 22 Jul 2014 06:58:38 GMT
Location: https://support.locsec.net/accounts/profile/
Cache-Control: max-age=0
X-Frame-Options: SAMEORIGIN
Set-Cookie: sessionid=8587er411c4zi9udg4oqbljphtdoglyg; httponly; Path=/
```

- i. Write down the **csrftoken** from section #1. Together with the **sessionid** from section #2 this is the pair you should use for your calls.
- ii. Return code 302 means success.

## Generating API Key

1. Perform HTTP POST for url: `api/dashboard_user/api_key/` the output is the API key.

For example:

```
curl -sL -w "%{http_code} %{url_effective}\\n" -X POST -H "X-CSRFToken: <csrftoken>"
-H "Referer: https://<dashboard>/accounts/login/?next=/" -H "Cookie: csrftoken=<csrftoken>;
sessionid=<sessionid>" https://<dashboard>/api/dashboard_user/api_key/
```

- a. **dashboard** - is the dashboard on which you are required to perform the REST API calls, e.g. support.locsec.net.
- b. **csrftoken** - **csrftoken** from section #1
- c. **sessionid** - **sessionid** from section #2