

# How to determine the URL of your ARCADE or CARTA session (alpha prototype)

\*\*\*Note that most of these steps are taking place on a terminal ***on your local machine***, not within the ARCADE environment\*\*\*

**Preliminary Steps** (if the VOS tools software needs installation or updating prior to the regular command sequence given below)

Follow the instructions given at <https://www.canfar.net/en/docs/storage/> under the section entitled “The vos Python module and command line client”. Depending on what’s already on your computer, you may need to first install/update python, before moving on to the pip install command for the VOS tool installation/upgrade.

**Standard Steps** (start here if you have an up-to-date version of the VOS tools already on your computer)

1. Open a terminal. [In the steps below, commands that you type into your terminal are indicated with [this font](#)]

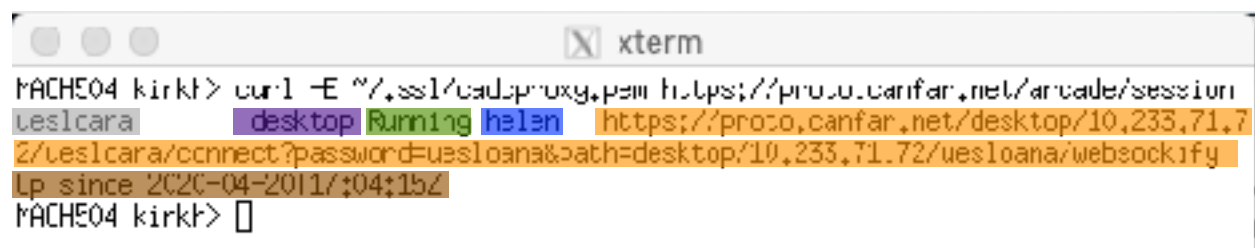
2. Get your security credentials set up (the security certificate expires every 10 days)  
`cadc-get-cert -u [your_cadc_username]`  
(enter your password at the prompt)

OR

`cadc-get-cert -n`  
(this option requires you to have set up a ~/.netrc file. Information on setting up a .netrc file is given at <https://www.canfar.net/en/docs/storage/> near the bottom of the page under the heading “Insecure but slight less complicated”)

3. List all of your current sessions / URLs (ARCADE and CARTA if applicable)  
`curl -E ~/.ssl/cadcproxy.pem https://proto.canfar.net/arcade/session`  
`arcade/session`

This will generate some screen output which will look something like the following if you only have an ARCADE session:



```
MACHE04 kirkk> curl -E ~/.ssl/cadcproxy.pem https://proto.canfar.net/arcade/session
ueslcara desktop burning helen https://proto.canfar.net/desktop/10.233.71.72/ueslcara/ccnrect?password=uesloana&path=desktop/10.233.71.72/uesloana/websocketify
lp since 2020-04-20 11:04:15Z
MACHE04 kirkk> 
```

Here's a more detailed explanation of each of these (the colour-coded explanations follow the same order as the highlighted coloured columns):

Session ID (can be ignored)

Session Type ('desktop' for ARCADE, 'carta' for CARTA)

Status ('Running' if it is running)

Name

Connect URL (the URL you need to connect to the session)

Up Since (date the connection has been active since)

4. Open a web browser and copy the appropriate URL into it



**Advanced Steps: create your own session** (e.g., initiate a CARTA session)

```
curl -E ~/.ssl/cadcproxy.pem https://proto.canfar.net/arcade/  
session -d "name=myname" -d "type=carta"
```

where 'myname' is a name that you set for the session (analogous to the 'Name' column above). This can be any string that you want, so long as it is a single string with no spaces.

Note that the above command initiates a CARTA session. To instead initiate a new ARCADE session, the last part of the command would instead be "type=desktop"

You can then find the new session's URL by running the same command as listed in Step 3 above:

```
curl -E ~/.ssl/cadcproxy.pem https://proto.canfar.net/  
arcade/session
```

```

NACHISO< kirkh> curl -E ~/.ssl/cacertproxy.pem https://proto.canfar.net/arcade/session
s6txsa0k      carto   Furning myname https://proto.canfar.net/carto/10.233.114.10
4/s6txsa0k/?socketUrl=https://proto.canfar.net/carto/10.233.114.104/s6txsa0k/socket/
Up since 2020-04-25T17:20:57Z
uesloana      desktop turning helen https://proto.canfar.net/desktop/10.233.114.1
2/uesloana/connect?password=uesloana&path=desktop/10.233.114.12/uesloana/websocketfy
Up since 2020-04-20T17:04:15Z

```

In the example above, you can see that the command was run exactly as given in the instructions, leaving 'myname' as the name for the CARTA session.