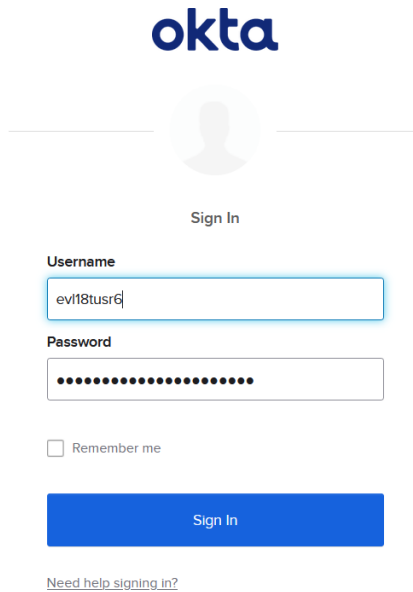


1. Install the Citrix Workspace app from <https://www.citrix.com/downloads/workspace-app/>
2. Open the browser and login to <https://flexedaeval.cloud.com/> with the username and temp password provided separately and click 'Sign In'



The image shows the Okta Sign In page. At the top is the Okta logo. Below it is a placeholder for a user profile picture. The text "Sign In" is centered. There are two input fields: "Username" with the text "evf18tusr6" and "Password" with masked characters. Below the password field is a checkbox labeled "Remember me". A blue "Sign In" button is at the bottom. A link "Need help signing in?" is at the very bottom.

okta

Sign In

Username

evf18tusr6

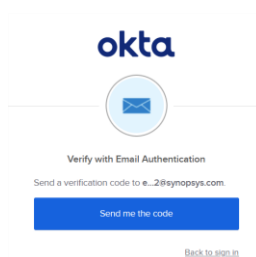
Password

Remember me

Sign In

[Need help signing in?](#)

3. Click on 'Send me the code' to receive the okta OTP



The image shows the "Verify with Email Authentication" page. It features the Okta logo and an email icon. The text says "Verify with Email Authentication" and "Send a verification code to e_2@synopsys.com". A blue button labeled "Send me the code" is prominent. A link "Back to sign in" is at the bottom.

okta

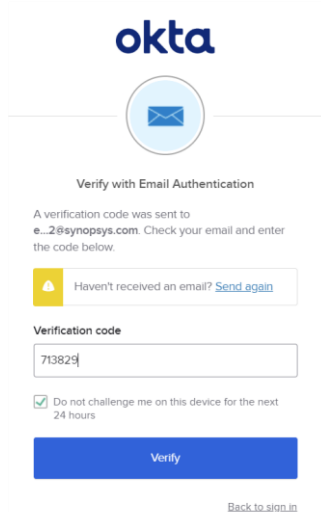
Verify with Email Authentication

Send a verification code to e_2@synopsys.com

Send me the code

[Back to sign in](#)

4. Enter the 6-digit OTP received in the email and click on 'Verify'



The image shows the "Verify with Email Authentication" page. It features the Okta logo and an email icon. The text says "Verify with Email Authentication" and "A verification code was sent to e_2@synopsys.com. Check your email and enter the code below." There is a link "Haven't received an email? Send again" and a "Verification code" input field with the text "713825". A checkbox "Do not challenge me on this device for the next 24 hours" is checked. A blue "Verify" button is at the bottom. A link "Back to sign in" is at the very bottom.

okta

Verify with Email Authentication

A verification code was sent to e_2@synopsys.com. Check your email and enter the code below.

Haven't received an email? [Send again](#)

Verification code

713825

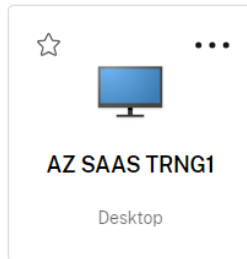
☒ Do not challenge me on this device for the next 24 hours

Verify

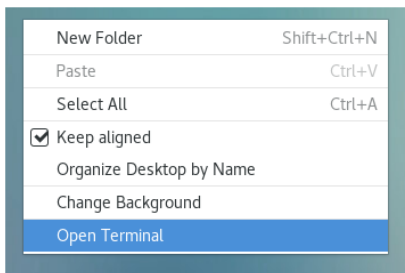
[Back to sign in](#)

Note: You will need to change the password on first login.

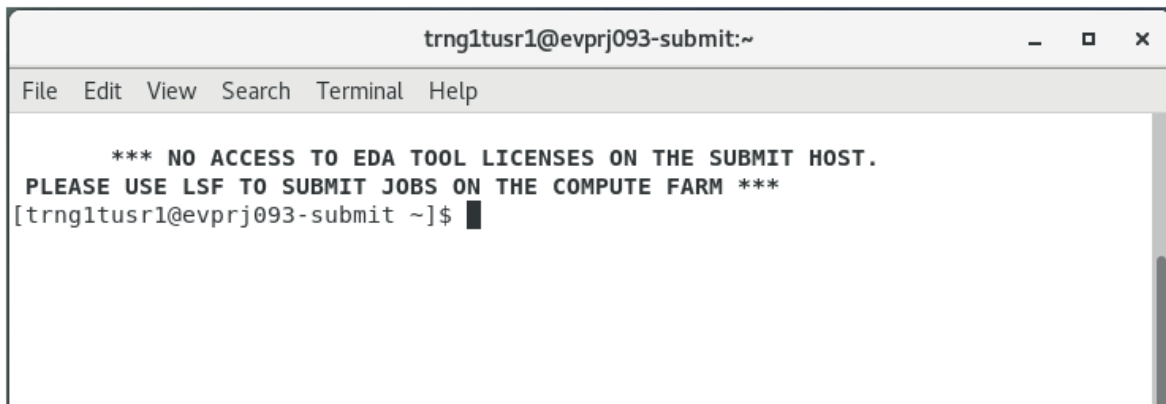
5. Click on the Citrix desktop icon 'AZ SAAS TRNG1'



This will open a Citrix desktop. Right click on the desktop and click 'Open Terminal'



6. You will automatically get logged into the submit host



7. Working directory :

cd /projects/<userID>

You can use this directory for your work.

8. Data:

Lab Data is available at /projects/PDK_EDK_MC/SAED90nm_PDK_10222017/

9. To open an xterm on the compute machine, run below LSF command to submit the job.

```
bsub – app shared-0001 xterm
```

Note: It will take upto 5 mins for cluster to come up and xterm to be launched

10. Once the cluster is up, xterm will appear as below screenshot

Here you can invoke tools: module load **tool_name**

Other freeware tools like python, gcc are installed at /global/freeware

You can access working area (created in step 7) on xterm as well

```
[trngltusr1@evprj093-submit ~]$ module avail
```

```
----- /global/etc/modules/files/eda -----
euclide/2023.12-SP1    icv/2023.12-SP2      scl/2023.03
fc/2023.12            lc/2023.12           starrc/2023.12-SP2
fm/2023.12-SP2        primesim/2023.12-SP1 syn/2023.12-SP2
hspice/2023.12-SP1    primewave/2023.12-SP1-1 vcs/2023.12-SP1
icc2/2023.12          pt/2023.12-SP2       verdi/2023.12-SP1
```

```
----- /global/etc/modules/files/freeware -----
acrobat/9.5.5(default)    meld/3.20.2(default)
actions-runner/2.304.0(default) nedit/5.7(default)
anaconda/3(default)       ninja/1.11.1(default)
azcopy/10.13.0            nlohmann-json/3.11.2(default)
azcopy/10.14.1            nodejs/17.9.0(default)
azcopy/10.16.2            octave/5.2.0(default)
azcopy/10.17.0            pdfgrep/2.1.2(default)
azcopy/10.18.1(default)   perforce/2022.1(default)
azcopy/10.23.0            perforce/2022.2
bazel/5.1.1(default)      perl/5.18.1(default)
binutils/2.30            perl/5.8.8
binutils/2.33.1(default)  php/5.6.16(default)
chrome/114.0.5735.90      python/3.11.4
cliosoft/7.20.pl(default) python/3.12.3
clipman/1.6.3(default)    python/3.6.3
cmake/3.26.3(default)     python/3.7.0
eclipse/2022.03(default)  python/3.7.3(default)
eclipse/2022.12          python/3.8.16
emacs/27.1                python/3.9.0
firefox/113.0.2           riscv-gnu/2.4
gcc/11.4.0                riscv-gnu/2.41(default)
gcc/6.2.0                 ruby/3.1.4(default)
gcc/7.3.0                 storage-explorer/1.31.1(default)
gcc/8.2.0                 stp/3.5(default)
gcc/9.2.0                 sublime-merge/2085(default)
git/2.26.2(default)       sublime-text/4143(default)
git/2.41.0                systemc/2.3.4(default)
git-cli/2.31.0(default)   tcl/8.6.12
git-cli/2.47.0            tcl/8.6.6
git-lfs/3.3.0(default)    tcl/8.6.8
glibc/2.33                tcllib/1.19(default)
glibc/2.34(default)       texinfo/7.1(default)
gmake/4.2(default)        tkdiff/5.6(default)
gperf/3.1                 tmux/3.3(default)
gsl/2.7.1(default)        unzip/6.0(default)
gtk/3.20.8                verilator/5.013(default)
gtk/3.20.9(default)       vscode/1.55
gtkwave/3.3.115(default)  vscode/1.78(default)
gvim/9.0(default)         vscode/1.8
htop/3.0.2(default)       vscode/1.85
jdk/17.0.1(default)       xnedit/1.4.1(default)
klayout/0.27.12(default)  zip/3.0(default)
libreoffice/7.6.2(default)
[trngltusr1@evprj093-submit ~]$
```

Note: Remember to close the xterm or any other job after the work is completed so that the cluster is shutdown. You can submit a new job as per step 7 to start the cluster again.