Quick Start Guide for connecting to CMC Cadence Cloud

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Required application installation:

1. Appagte SDP: download link <https://bin.appgate-sdp.com/6.2/client/Appgate-SDP-6.2.6-Installer.exe>
2. MobaXterm: download link: [MobaXterm Xserver with SSH, telnet, RDP, VNC and X11 - Home Edition (mobatek.net)](https://mobaxterm.mobatek.net/download-home-edition.html) . (Portable edition is okay)
3. Nice DCV: [NICE DCV | Download (nice-dcv.com)](https://download.nice-dcv.com/). Choose the one related to your PC system.

# Install the Appgate SDP and connect

1. After installing the application, you will see this figure below.

Click “use profile link”. In profile link, use the link: appgate://sdp.cmc.ca/eyJwcm9maWxlTmFtZSI6IlVTIFBhc3Nwb3J0Iiwic3BhIjp7Im5hbWUiOiJVU19QYXNzcG9ydCIsImtleSI6Ijg4N2JmYTRiZTJlOWY0MjE1OTZmOWY3NTdiZTZjMTEzMWI5ZGFkMWVhZTdkMzQwMWJhYjIwZmE0Nzc2ZWM0ZGIifSwiY2FGaW5nZXJwcmludCI6IjRlODk1OWNjYWE3MWJiYTVhMjE1MDRiMzA2YzA0NWE3NGY1MGJmMTJkZjBjOTk5MjE2YWNhODZjNWYxY2UyODgiLCJpZGVudGl0eVByb3ZpZGVyTmFtZSI6IkFXUyBVUyBFYXN0IEFEIn0=

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1. Click “submit”.
2. Click “connect to appgate SDP”.
3. Then you will see the window for sign in. The username is your mst email address. The initial password is provided. (if you change your password, sign out and connect with your new password again).
4. After connecting successfully, you will see the right figure.

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# Connecting using command line

After installing MobaXterm, we use the command line in MobaXterm terminal. Click “start local terminal”.

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## Using SSH to set the remote connection.

Command line: ***ssh 10.16.8.144 -l username***

(10.16.8.144 is IP dress for 2024 spring semester)

Then enter your password. You will see the address changed.

Please notice: Username is your mst email address. The initial password is provided. The tutorial for changing password is provided later. It is the letter “L” not “1” in the command line.

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## Managing DCV sessions for remote desktop.

Check if you have current session. *Command line:* ***$ dcv list-sessions***

* If you have no session, it will show:



You need to create a session, *Command line:* ***$ dcv create-session session-name.*** You can replace “session\_name” with your own word.

For example:



* If you already have sessions, it will show: (Here I only have one session)



Note:

1. If you want to have more information about dcv command, use command line: ***& dcv --help***
2. Please don’t create multiple sessions. All your sessions will be related to the same remote space.
3. Please close the extra sessions. You won’t lose data with closing sessions.

## Using NICE DCV to connect remote desktop

After installing the NICE DCV Client, run the Nice DCV Client.

Please enter: <IP-address>/#<session-name>. For example: ***10.16.8.144/#jh\_session01***

Click “Connect”

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If it shows “not secure connect warning”, click ”trust and connect”.

Then you need to enter your username and password again. Then click “login”.

You should see the remote desktop.

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## Remote Desktop

You can change the display with “a” and the display resolution with “b”.

Create a project folder with the name you prefer.

**Copy** the file **/CMC/scripts/kit.cadence.gpdk045.v6.0\_OA.csh** to your **home folder** and rename it.

The following image shows an example of the renamed file of **kit.cadence.gpdk045.v6.0\_OA\_v2.csh**.

This makes it easier to start the Virtuoso.

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# Change password

It is better to change your password. Use command line in MobaXterm: ***$ passwd***

For example, 

Then follow the step: enter your current password, and new password twice.

When you change your password successfully, you will see.

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\*\*\*Note: After you change your password, please quit Appgate SDP and connect with your username and new password again. Then in SSH command line and NICE DCV Client use your new password to connect again.

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# Suspend the work

If you want to suspend the work and continue in a few days, you can “disconnect” the session.

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If you will come back to the remote session in several week, please log out. Click “power button” 🡪 “mst-\*\*\*” 🡪 “Log Out”. After “Log Out”, the current session is closed. You need to create a dcv session when you try to connect again. The session-name can be the different. You won’t lose your data.

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