

# CIS Cloud Access Guide CSC240 | Fall 2020



## **CSC240 Access Information**

The following guide will refer to your login credentials (**UID** and **password**) which will allow you to access the CIS Cloud and VMware software to access your Virtual Machines (VMs).

## **CIS Cloud User Credentials**

#### 1. UID

Your user ID (**UID**) is in the format of your first initial combined with your last name. For example, a student named **John Smith** will have the UID *jsmith*.

#### 2. Password

Your password is the same as your **MEID**, which is typically the first 3 letters of your first name followed by a seven digit number. For example, **John Smith** may have the **MEID** *joh0123456*.

#### -- Troubleshooting --

If you have any issues connecting to the CIS Cloud or logging in to your VM, contact your instructor and they can help troubleshoot your issue.

## Linux Credentials (case sensitive)

For CSC240 you will be issued one Linux (CentOS 7) VM which has been preconfigured with Gnu Compiler Collection, several text editors (Nano, Vim, Emacs, KATE), and other standard Linux utilities. Your user account information is below, if you wish to install additional applications you can do so using the YUM installer system from the Terminal. Your Student user has superuser privileges, so to run an administrative command you will use the syntax:

[student@CSC240student ~]\$ su <command to run>

#### 1. Student Account

Username: student Password: student

## **CIS Cloud Access Guide**

#### 1. Overview

This guide describes the tasks you need to perform in order to access the CIS Instructional Cloud. The first step will be to download and install the OpenVPN client. This will allow you to remotely access the CIS Cloud private network. Once you are on the network, you will download and install the VMware Remote Console (VMRC) from the CIS Cloud FTP site. VMRC gives you remote access to log onto your VMs.

#### -- IMPORTANT --

If you have taken previous courses using the CIS Cloud, you should uninstall the OpenVPN client and the VMware Remote Console and then complete the tasks in this guide. The system has been updated, and you need the most current versions of these applications.

#### -- IMPORTANT --

#### 1.1 Your user id (UID) and password

A user id (UID) and password has been created for you, please reference Page 2 of this document to determine your UID and password.

#### 2. Preparing your computer for cloud access

The following steps assume that you have Windows 10 and that you will be using the Google Chrome browser. (*A separate support document for Mac OS can be requested*)

#### 2.1 Download and Install the OpenVPN Client

1. Open the Chrome browser. Point the browser to <u>https://lnx.sc.maricopa.edu:943</u>. You will probably be taken to a warning screen telling you the connection is not private. Click on the "Advanced" link, and then click on the "Proceed to Inx.sc.maricopa.edu (unsafe)" link.

	Your connection is not private
	Attackers might be trying to steal your information from <b>Inx.sc.maricopa</b> example, passwords, messages, or credit cards). <u>Learn more</u> NET::ERR_CERT_AUTHORITY_INVALID
Your connection is not private	Automatically send some system information and page content to Google to he
Attackers might be trying to steal your information from Inx.sc.m	dangerous apps and sites. Privacy policy
example, passwords, messages, or credit cards). Learn more	
	HIDE ADVANCED
Automatically send some system information and page content to Go	
dangerous apps and sites. <u>Privacy policy</u>	This server could not prove that it is <b>Inx.sc.maricopa.edu</b> ; its security cert trusted by your computer's operating system. This may be caused by a mi an attacker intercepting your connection.
ADVANCED	Proceed to Inx.sc.maricopa.edu (unsafe)

### 2.1 ...Continued

2. You will be taken to the OpenVPN login screen. Enter your **UID** and your MEID as the password. Press the "Go" button: (Keep **Login** as the drop-down selection)

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Vot secure   https://inx.sc.maricopa.edu:943/?src=	CONNECT STREET CONTINUNITY COLLEGE MARICOPA COMMUNITY COLLEGE S Cloud VPN
3. The next screen contains a link to dow the OpenVPN client. Click on the link for Operating System e.g. Windows or Mac	our DSX: CIS Cloud VPN
	To download the OpenVPN Connect app, please choose a platform below:
The installation file will download:	<u>OpenVPN Connect for Mac OS X</u> <u>OpenVPN Connect for Android</u> <u>OpenVPN Connect for IOS</u>
openvpn-connectmsi ^	OpenVPN for Linux Connection profiles can be downloaded for:
Ask me anything	Yourself (user-locked profile)

4. Double click on the file to begin running the installer. If you receive the Windows Security Warning, select Run. Accept any defaults during the installation process. When the process has completed, you will have the OpenVPN icon on your desktop.

### 2.1 ...Continued

Double click the OpenVPN icon on your desktop to launch the Connect window. (If you do not have a desktop icon, check the tray on the lower right-hand side of your taskbar for the OpenVPN icon. Right-click the OpenVPN icon and click connect.)



Enter your UID and your MEID password then press Connect.

5. The first time you connect, you may receive the following warning screen after you press Connect. Press Yes to continue to log onto OpenVPN and check the option for Don't ask again.

OpenVPN - Warning		×	1
Allow VPN connection to Ins profile?	x.sc.maricopa.edu us	sing UNVERIFIED	
<u>More details</u> ☑ Don't ask again	Yes	No	
			+

6. It may take 10-20 seconds for the connection to complete. When the connection has completed, you will see the following message in the lower right hand corner of your task bar:

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## 2.2 Download and Install VMRC

Once you've connected to the OpenVPN network, you can access the CIS Cloud FTP site. In your Chrome address bar, enter <u>ftp://cisshare.ciscloud.local</u>

The root of the FTP site will be displayed:

Index of /	×	θ
$\textbf{\leftarrow} \; \Rightarrow \; \textbf{G}$	Not secure   ftp://cisshare.ciscloud.local	
Index	of /	
Name InstallVN	Size Date Modified MRC/ 1/2/10, 1.00.00 PM	

### 2.2 ...Continued

2. Click on the InstallVMRC folder which contains VMRC installation packages for three operating systems depending on your environment:

- If you have a Windows OS, download and install the .exe file
- If you have an Apple OSX, then download and install the .dmg file.
- If you have a Linux OS, download and install the x86\_64.bundle file.

Click on the installer that corresponds to our operating system to download it.

3. Once the file has downloaded, double click to run it. If you receive the Security Warning, press the Run button. You will be guided through the VMware Remote Console Setup. Accept the End-User License Agreement, then continue through the screens, pressing Next to accept the defaults.

On the final screen, press Install to begin the installation. When the installation has completed, the following screen will appear:



4. Press the Finish button. VMRC does not have a desktop icon, but you can check to make sure it installed correctly by opening your Control Panel and navigating to Programs and Features (Windows).

VMware Remote Console should be listed in your installed programs.

5. You are now ready to log onto vCenter and access your VM.

## VM Access Guide

#### 1. Overview

This guide describes the tasks you need to perform in order to access your Linux VM.

The first step will be to log into the VMware client. This will allow you to view and access your virtual personal folder. Within your personal folder are your Linux VMs.

From this folder you can power on your VM and launch your remote access application, VMRC.

#### 1.1 Your user id (UID) and password

You will use the same username (**UID**) that was created for you in the "CIS Cloud Access Guide." Your CIS Cloud password is your MEID.

#### 2 Accessing vCenter

- 1. Make sure you are still connected to OpenVPN. If not, log in again.
- 2. Point your Chrome browser to <a href="https://vcenter5.ciscloud.local">https://vcenter5.ciscloud.local</a>

The vCenter Welcome page displays as shown below. It is recommended that you click on the link to login to the vSphere Client (HTML5) - partial functionality. This client is the most compatible version and does not require Flash.



You will probably be taken to a warning screen telling you the connection is not private. Click on the "Advanced" link, and the "Proceed to vcenter5.ciscloud.local (unsafe)" link.



The VMware vSphere Client login screen will appear. Enter your UID and use the default C!\$\$tudent password.

User name:	jstudent	VMware vCenter Single Sign-On
Password:		
	Use Windows session authentication	
	Login	

When you first log on, you will be presented the following screen. Click on the VMs and Templates icon in the left panel:

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4. Once in the VMs and Templates view, click the arrows next to the objects in the left panel until your folder and your VM is exposed. Click on your VM to bring up its summary page:

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istudent     istudent_Client     ClS276_Win10-JStudent     MST150_Win10-JStudent	Powered Off	Ompanding, ESX 6.3 and later (Y VMware Tools: Not running, version:1 More info DNS Name: IP Addresses:	10282 (Guest Ma	anaged)	O HZ MEMORY O B STORAG	( USAGE E USAGE
	Launch Web Console Launch Remote Console	Host: host01.ciscloud.local			32 GE	3

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## 2. ...Continued

5. In the left panel, right-click on your VM and select Power->Power On from the pop-up menu:

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https://vcenter5.ciscloud.local/	ui/#?extensionId=vsphere	.core.invento	ry.serverObjectViewsExtensio	n&object	ld=urn 🍳 🕁
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Clone	Restart Guest OS				
Fault Tolerance	•		]		
VM Policies		~	Notes		~
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6. Click on the "Launch Remote Console" link in the Summary pane to launch the VMRC remote console that you downloaded in section 2.2. Ignore the message that appears with a link to download the remote console.

<ul> <li>← → C ▲ Not secure https://vcenter5.ciscloud.local/ui/#?extensionId=vsphere.core.inventory.serverObjectViewsExtension&amp;objectId=urn Q ★</li> <li>w vSphere Client Menu ∨ Q Search C ② ∨ jstudent@ciscloud.local ∨</li> <li>Q Search C ② ∨ jstudent@ciscloud.local ∨</li> <li>Q Search C ② ∨ jstudent@ciscloud.local ∨</li> <li>Q vcenter5.ciscloud.local</li> <li>Q vcenter5.cisclou</li></ul>	vSphere - CIS126_jstuden ×				Θ -	
v       Sphere Client       Menu       Q_Search       C       jstudent@ciscloud.local ~         Image: Client       Image: Client       Image: Client       Actions ~         V       Image: Client	← → C ▲ Not secure   https://vcer	nter5.ciscloud.local/ui/#?ex	tensionId=vsphere.core.inventory.serverObjectV	/iewsExtension&	objectId=urn	Q ☆
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Launch Web Console	Image: Constraint of the second se	CIS126_jstude	ent_Client       ACTIONS ~         Configure       Permissions       Datastores       Net         Guest OS:       CentOS 7 (64-bit)       Compatibility:       ESXi 6.5 and later (VM version 13)         VMware Tools:       Running, version:10282 (Guest Mar More info         DNS Name:       Iocalhost.localdomain         Launch Remote Console       (%)	letworks naged)	CPU U 1.09 MEMO 6 GE STORA 40.1	SAGE GHz RY USAGE 3 GE USAGE 1 GB
Launch Remote Console       If you have VMware Remote Console installed, it will start automatically now. If not, you can use the link below to download it.         VM Hardware       Download Remote Console		Launch Remote Console	If you have VMware Remote Console installed, it will start automatically now. If not, you can use the link below to download it. Download Remote Console			~

## 2. ...Continued

7. You will receive a few warnings once your VMRC window is launched. When the **Open VMWare Remote Console** dialogue box is displayed, check the box next to **Always open these** and click **Open VMWare Remote Console** button.



8. When you see the Certificate Warning, check the box for **Always trust...** and click the button to **Connect Anyway.** The VMRC Console will open with your VM loaded.



9. Your Linux VM should look like this. Log in with the *Student* account and *student* password.



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