

Remote Access to Matlab at Mason

CDS-130: Computing for Scientists

Fall 2013

Jie Zhang

Credit: Joseph Marr, Samantha Fleming

Accessing Matlab at Mason

There are four different methods to access Matlab

1. Install a student version Matlab in your own computer
 - Purchase it at Patriot Computers (\$109)
2. Use GMU lab computers onsite
 - <http://doit.gmu.edu/staffSection.asp?page=lab>
3. Log in remotely, using VCL for Windows or Mac
 - This Instruction
 - **For Windows (slide 3 – 15)**
 - **For Mac (slide 16 – 70)**
4. Log in remotely, using “xterm” and “ssh” (**slide 71 - 84**)
 - This Instruction
 - For users who are familiar with LINUX-based operating systems

**Access Remotely –
Use the Virtual Computing Lab (VCL)
for WINDOWS**

Logging in Remotely, Using the Virtual Computing Lab (VCL) for Windows

Go here:

<https://www.vcl.gmu.edu/>

> Virtual Computing Lab_

GEORGE MASON UNIVERSITY

Welcome to the Virtual Computing Lab

Please select an authentication method to use:

Mason Credentials ▾

Proceed to Login

Explanation of authentication methods:

- Use Mason Credentials if you are using a GMU account
- Use GMU LDAP if you are using a non-Mason account
- Only use Local Account if there are no other options

George Mason University, Fairfax, VA
www.vcl.gmu.edu | Comments to vclhelp@gmu.edu

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Logging in Remotely, Using the Virtual Computing Lab (VCL) for Windows

Enter your Mason Userid and Password:

> Virtual Computing Lab_

GEORGE MASON UNIVERSITY

Login with Mason Credentials

Userid:

Password:

Login

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Logging in Remotely, Using the Virtual Computing Lab (VCL) for Windows

Click on “New Reservation”

> Virtual Computing Lab

GEORGE MASON UNIVERSITY

HOME

New Reservation

Current Reservations

User Preferences

Statistics

Help

Logout

Welcome to the Virtual Computing Lab

Hello Joe Marr

You do not have any current reservations.
Please make a selection from the menu on the left to continue.

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Logging in Remotely, Using the Virtual Computing Lab (VCL) for Windows

Select “Windows XP Professional: Matlab 2008a”, “Now”, and “Create Reservation”

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HOME

New Reservation

Current Reservations

User Preferences

Statistics

Help

Logout

New Reservation

Please select the environment you want to use from the list:

Windows XP Professional: Matlab 2008a

Image Description:
Windows XP Professional with Matlab version 2008a

When would you like to use the application?

Now

Later: Sunday At 1 00 a.m. (Eastern Time Zone)

Duration: 1 hour

Estimated load time: < 1 minute

Create Reservation

Logging in Remotely, Using the Virtual Computing Lab (VCL) for Windows

You may see that your reservation is “Pending...”. Just wait

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HOME
New Reservation
Current Reservations
User Preferences
Statistics
Help
Logout

Current Reservations

You currently have the following normal reservations:

	Environment	Starting	Ending	Initially requested
<i>Pending...</i> Est: 1 min remaining	Windows XP Professional: Matlab 2008a	Sunday, Jun 12th, 8:21 pm	Sunday, Jun 12th, 9:30 pm	Sunday, Jun 12th, 8:21 pm

This page will automatically update every 20 seconds until the *Pending...* reservation is ready.

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Logging in Remotely, Using the Virtual Computing Lab (VCL) for Windows

Good to Go! Now click “Connect”

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HOME
New Reservation
Current Reservations
User Preferences
Statistics
Help
Logout

Current Reservations

You currently have the following normal reservations:


	Environment	Starting	Ending	Initially requested
Connect! End Edit	Windows XP Professional: Matlab 2008a	Sunday, Jun 12th, 8:21 pm	Sunday, Jun 12th, 9:30 pm	Sunday, Jun 12th, 8:21 pm

Click the **Connect!** button to get further information about connecting to the reserved system. You must click the button from a web browser running on the same computer from which you will be connecting to the remote computer; otherwise, you may be denied access to the machine.

Logging in Remotely, Using the Virtual Computing Lab (VCL) for Windows

Click "Get RDP File"

Also, WRITE DOWN YOUR PASSWORD!

> Virtual Computing Lab_ 

Connect!

You will need to use a Remote Desktop program to connect to the system. If you did not click on the **Connect!** button from the computer you will be using to access the VCL system, you will need to cancel this reservation, request a new one, and make sure you click the **Connect!** button in a web browser running on the same computer from which you will be connecting to the VCL system. Otherwise, you may be denied access to the remote computer.

Use the following information when you are ready to connect:

- **Remote Computer:** 129.174.25.126
- **User ID:** jmarr2
- **Password:** UEPKHg

NOTE: The given password is for *this reservation only*. You will be given a different password for any other reservations. For automatic connection, you can download an RDP file that can be opened by the Remote Desktop Connection program.

[Get RDP File](#) [What is an RDP file?](#)

Logging in Remotely, Using the Virtual Computing Lab (VCL) for Windows

This appears on your Windows Desktop. Double-click on it...



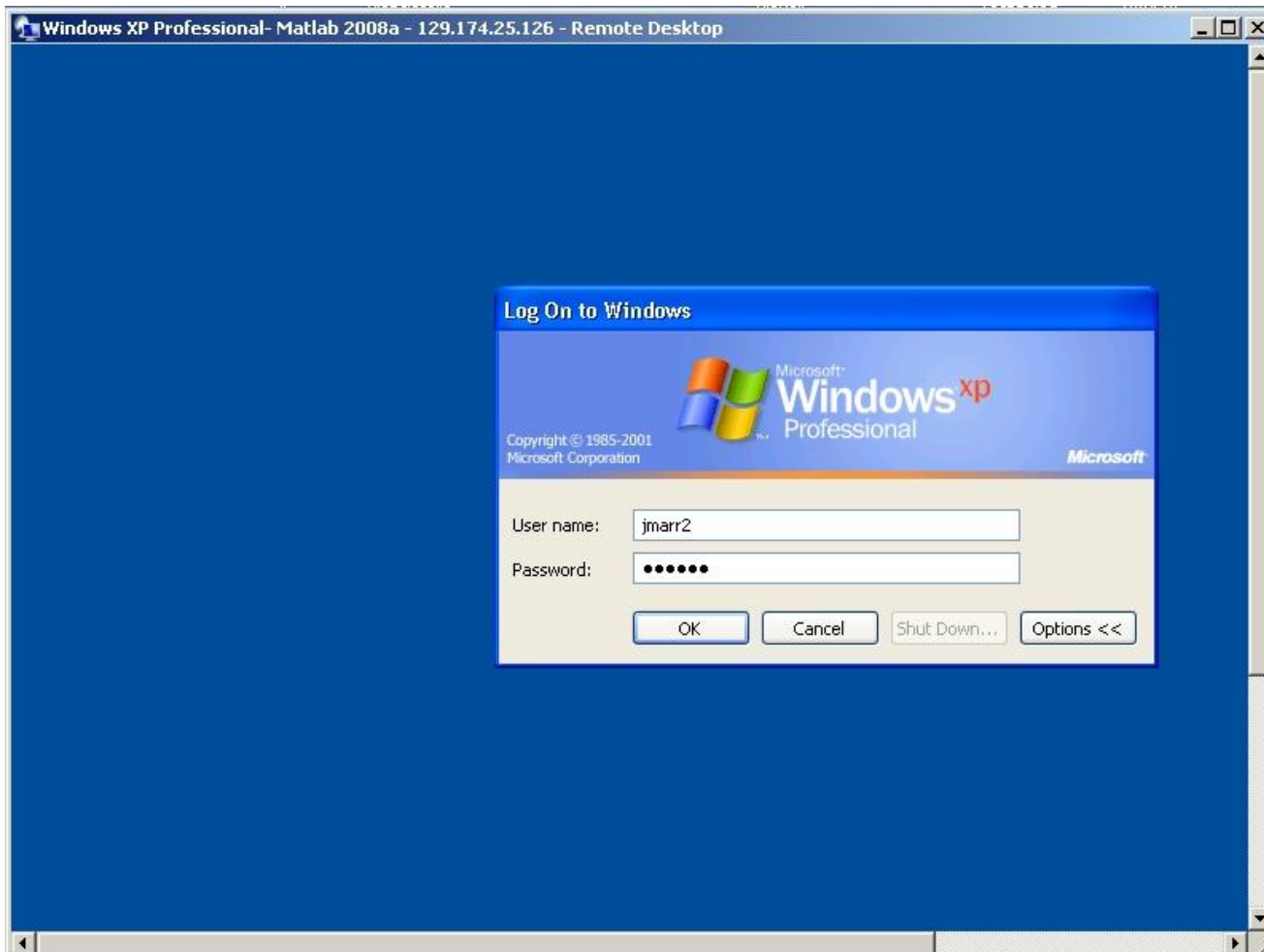
Logging in Remotely, Using the Virtual Computing Lab (VCL) for Windows

Don't worry if you see this warning. Just click on "Connect"



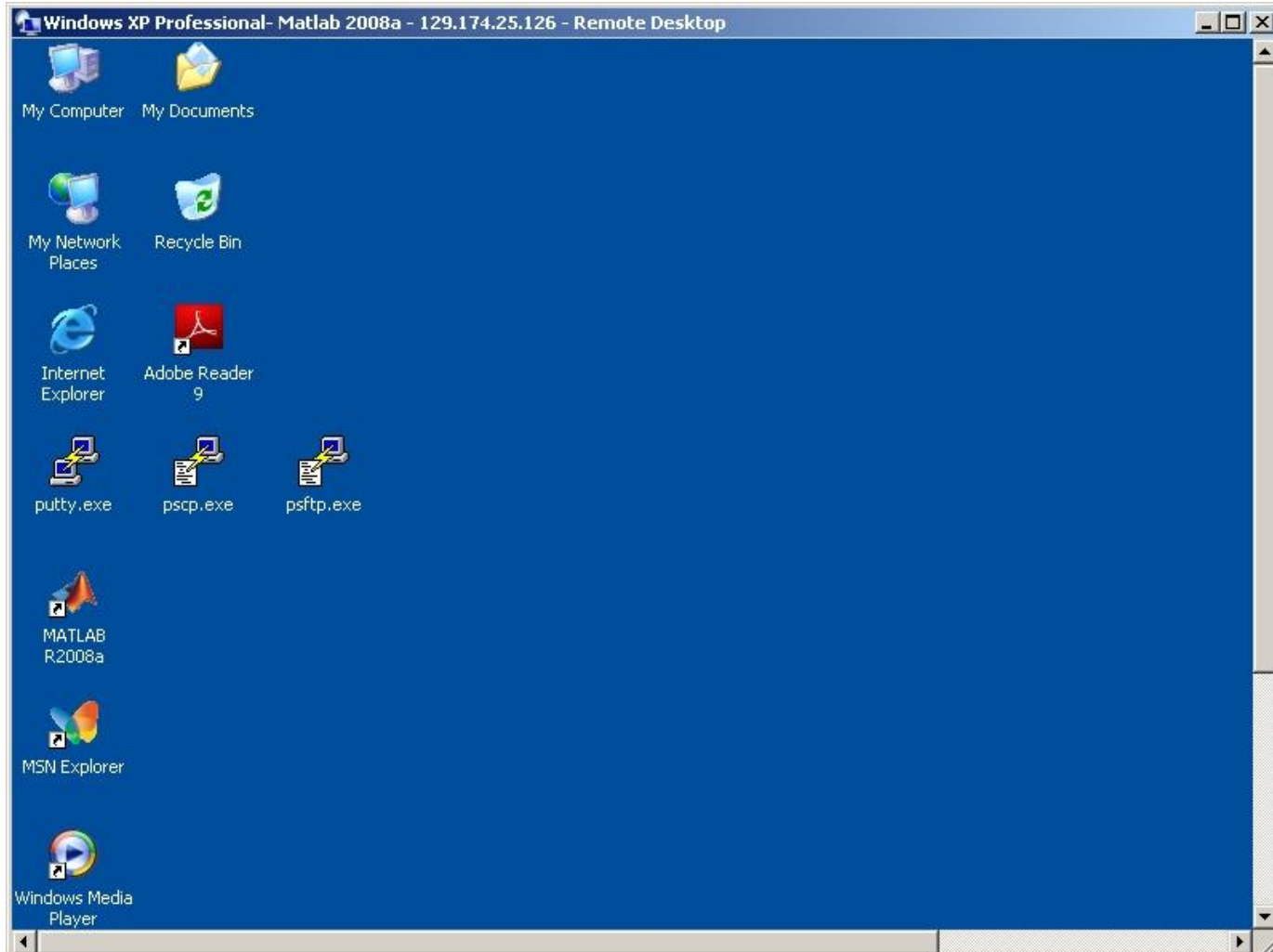
Logging in Remotely, Using the Virtual Computing Lab (VCL) for Windows

Enter your MasonID, and, **THE PASSWORD YOU WROTE DOWN THREE SLIDES AGO**

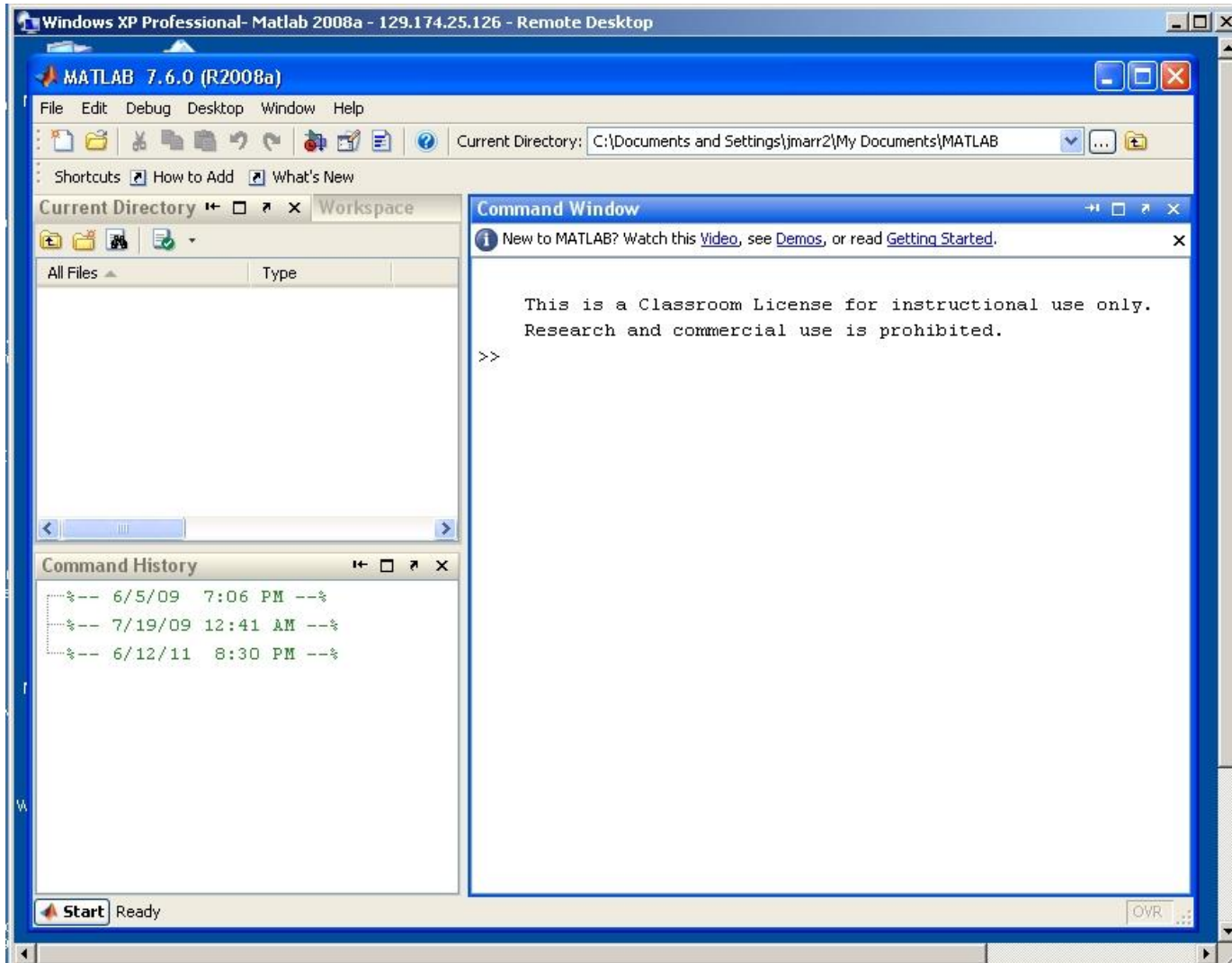


Logging in Remotely, Using the Virtual Computing Lab (VCL) for Windows

THAT'S IT – YOU'RE IN! NOW BEGIN USING MATLAB ON A REMOTE DESKTOP



Logging in Remotely, Using the Virtual Computing Lab (VCL) for Windows



Logging in Remotely, Using the Virtual Computing Lab (VCL) for MAC

- In order to access Windows Virtual Computer Lab, you will need to [download the Remote Desktop Connection Client for Mac OS X.](#)
- This is FREE and easy. It will allow you to use MATLAB without going to the computer lab on campus.

1. Click the link on previous page, or go to:

http://www.microsoft.com/mac/downloads?pid=Mactopia_RDC&fid=68346E0D-44D3-4065-99BB-B664B27EE1F0%23viewer





Office:mac

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Downloads

Office for Mac updates

Download updates by selecting any of the products in the left column below. Then check for all available downloads, view details, and continue to download the updates of your choice.

Products	Available Downloads	Download Details
 Office 2011	Microsoft Remote Desktop Connection Client for Mac 2.1.1 >	Microsoft Remote Desktop Connection Client for Mac 2.1.1 Remote Desktop Connection Client for Mac 2.1.1 lets you connect from your Macintosh computer to a Windows-based computer or to multiple Windows-based computers at the same time. After you have connected, you can work with applications and files on the Windows-based computer. To learn about what's new in Remote Desktop Connection Client for Mac 2.1.1, please visit the Microsoft Web site .
 Office 2008	Remote Desktop Connection Client 1.0.3 for Mac >	
 Office 2004		
 Messenger for Mac		
 Remote Desktop		



2. Scroll down slightly and make sure that “Microsoft Remote Desktop Connection Client for Mac 2.1.1” is selected in gray (It is the first bullet available)
3. Press the “Download Now!” button.

Office for Mac updates

Download updates by selecting any of the products in the left column below. Then check for all available downloads, view details, and continue to download the updates of your choice.

Products

- Office 2011
- Office 2008
- Office 2004
- Messenger for Mac
- Remote Desktop**
- Additional Tools

Available Downloads

- Microsoft Remote Desktop Connection Client for Mac 2.1.1 >
- Remote Desktop Connection Client 1.0.3 for Mac >

Download Details

Microsoft Remote Desktop Connection Client for Mac 2.1.1

Remote Desktop Connection Client for Mac 2.1.1 lets you connect from your Macintosh computer to a Windows-based computer or to multiple Windows-based computers at the same time. After you have connected, you can work with applications and files on the Windows-based computer.

To learn about what's new in Remote Desktop Connection Client for Mac 2.1.1, please visit the Microsoft Web site.

File Name: RDC_2.1.1_ALL.dmg
Date Published: Thursday, May 05, 2011
Size: 8.9 MB

[Download Now!](#)



4. A new tab will appear. If it doesn't, here is the URL:

<http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=18140>

5. Select the “Download” button in the bottom right hand corner of the screen.

Microsoft Download Center

Search Download Center 

Windows Office All products All downloads Security Support



Microsoft Remote Desktop Connection Client for Mac 2.1.1

Quick links

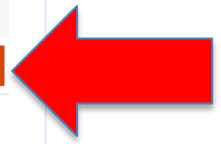
- ↓ Overview
- ↓ System requirements
- ↓ Instructions
- ↓ Additional information

Remote Desktop Connection Client for Mac 2.1.1 lets you connect from your Macintosh computer to a Windows-based computer and then work with applications and files on the Windows-based computer.

Quick details

Version: 2.1.1 Date Published: 5/5/2011
Change Language:

File Name	Size	
RDC_2.1.1_ALL.dmg	8.0 MB	DOWNLOAD



6. The window will change to a confirmation of download page. A box will appear asking if you want to save a binary file called “RDC_2.1.1_ALL.dmg”.
7. Click “Save File”.

Microsoft Download Center

Opening RDC_2.1.1_ALL.dmg

You have chosen to open

RDC_2.1.1_ALL.dmg
which is a: **Binary File**
from: <http://download.microsoft.com>

Would you like to save this file?

Cancel Save File



Microsoft Remote Desktop Connection Client for Mac 2.1.1

If your download does not start after 30 seconds, click here: [Start download](#)

Instructions

To install this software

1. Print this page if you want to use it as a reference when you are offline.
2. Quit any applications that are running, including all Office applications, Microsoft Messenger, and Office Notifications, because they might interfere with installation.
3. Make sure that your computer meets the minimum system requirements.
4. Click **Download**, or click the link for the language version that you want.
5. Follow the instructions on the screen to save the file to your hard disk. If you are using Safari, the

For you

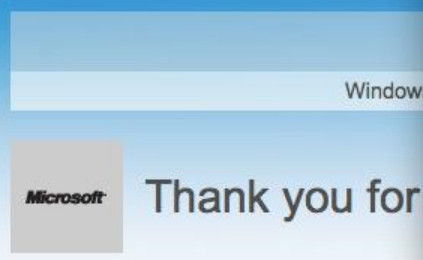
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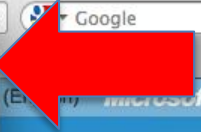
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8. Once “Save File” is selected, the file will download into your Downloads folder.

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File Name	Size	Source	Date
RDC_2.1.1_ALL(1).dmg	8.9 MB	microsoft.com	2:42 PM
Weingarden_Psyc325syllabus_Fall2011.docx	191 KB	gmu.edu	11:26 AM
Neur 335 Syllabus - 2011.doc	44.5 KB	outlook.com	11:23 AM
Psyc211-004pm syllabusfall2011.doc	41.0 KB	outlook.com	11:21 AM
tutorial3-1.pdf	690 KB	anl.gov	August 17
qsassvn_i86(1).dmg			August 17



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For you

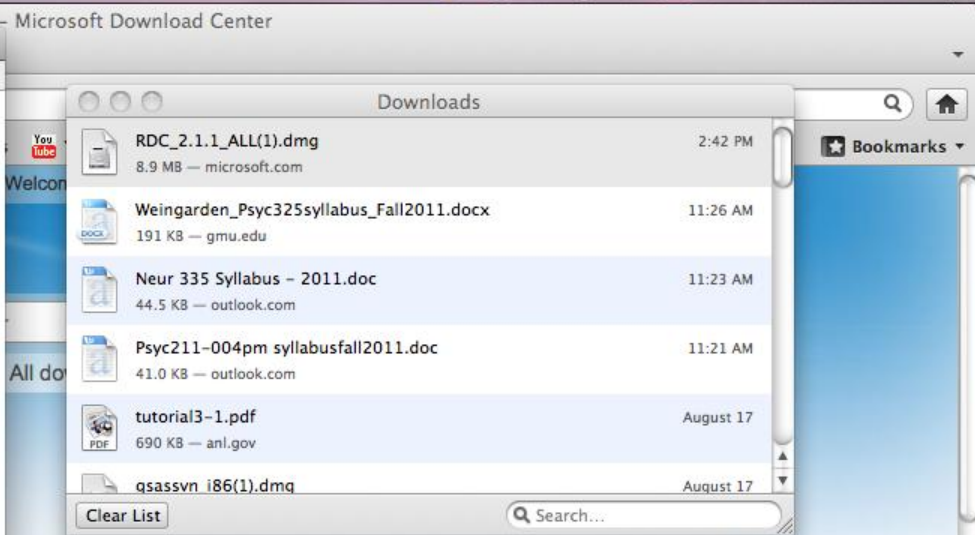
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9. Double click the downloaded file. A window called “RDC” will pop up.
10. Inside the window is a box called “RDC Installer”, double click this icon.



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Instructions

To install this software

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11. This will open a self-guided Installer.
Continue through the installer to install the Remote Desktop Connection.
12. The next several slide show the process.

RDC

1 of 1 selected, Zero KB available



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Install Microsoft RDC for Mac

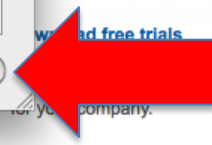
Welcome to the Microsoft RDC for Mac Installer

You will be guided through the steps necessary to install this software.

- Introduction
- License
- Destination Select
- Installation Type
- Installation
- Summary



Go Back Continue



Microsoft Remote Desktop Client for Mac 2.1.1

If your download does not work, you can also download the software from the Microsoft Download Center.

Instructions

To install this software

1. Print this page if you want to use it as a reference when you are offline.
2. Quit any applications that are running, including all Office applications, Microsoft Messenger, and Office Notifications, because they might interfere with installation.
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Software License Agreement

English

[Remote Desktop Connection Client for Mac 2 Privacy Statement](#)

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Install Microsoft RDC for Mac

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Click Agree to continue or click Disagree to cancel the installation and quit the Installer.

Read License Disagree Agree

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Search...

Install Microsoft RDC for Mac


Standard Install on "Macintosh HD"

This will take 24.4 MB of space on your computer.

Click Install to perform a standard installation of this software on the disk "Macintosh HD".

Change Install Location...

Go Back Install



Microsoft Remote Desktop Client for Mac 2.1.1

If your download does not

Instructions

To install this software

1. Print this page if you want to use it as a reference when you are offline.
2. Quit any applications that are running, including all Office applications, Microsoft Messenger, and Office Notifications, because they might interfere with installation.
3. Make sure that your computer meets the minimum system requirements.
4. Click **Download**, or click the link for the language version that you want.
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Introduction License Destination Installation Installation Summary

Details

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Install Microsoft RDC for Mac

Type your password to allow Installer to make changes.

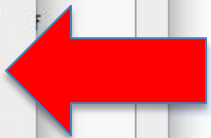
Name: Sam Fleming

Password:

Cancel OK

Change Install Location...

Go Back Install



Microsoft Remote Desktop Client for Mac 2.1.1

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Instructions

To install this software

1. Print this page if you want to use it as a reference when you are offline.
2. Quit any applications that are running, including all Office applications, Microsoft Messenger, and Office Notifications, because they might interfere with installation.
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- Introduction
- License
- Destination
- Installation**
- Installation Details
- Summary

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	11:21 AM
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Install Microsoft RDC for Mac

Type your password to allow Installer to make changes.

Name: Sam Fleming

Password:

Cancel OK

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Installing Microsoft RDC for Mac

- Introduction
- License
- Destination Select
- Installation Type
- Installation**
- Summary

Writing files...



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Instructions

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1. Print this page if you want to use it as a reference when you are offline.
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Windows Internet
Explorer.



13. Once RDC is installed you should notice an icon pop up on your Dock. It looks like a satellite dish with the Windows logo.

The installation was completed successfully.

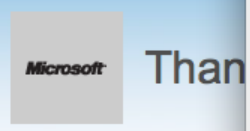
The installation was successful.

The software was installed.

Introduction
License
Destination Select
Installation Type
Installation
Summary

Go Back Close

Microsoft Down



Microsoft Remote Desktop Client for Mac 2.1.1

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Instructions

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3. Make sure that your computer meets the minimum system requirements.
4. Click **Download**, or click the link for the language version that you want.
5. Follow the instructions on the screen to save the file to your hard disk. If you are using Safari, the

Remote Desktop Connection

Windows Internet Explorer
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14. Now, find a gray box icon on your Desktop called “RDC”.



CDS Summer 2011



Screenshots



Songs



Virgin Festival Confir...on.pdf



Rent App Fleming.doc



Rent App Pocanic.doc



Resume_Flemin g.doc



Argonne



RDC



15. Right click this box and choose “Eject” to remove it from your desktop. This will not remove the actual RDC, which we just installed on the Dock.



CDS Summer 2011



Screenshots



Songs



Virgin Festival Confirmation.pdf



Rent App Fleming.doc



Rent App Pocanic.doc



Resume_Fleming.doc



Argonne



RDC

- Open
- Eject**
- Get Info
- Burn "RDC" to Disc...
- Duplicate
- Make Alias
- Copy "RDC"
- Clean Up Selection
- Show View Options
- Label:
 - X
 - Color selection icons
- Folder Actions Setup...
- Symantec: Scan selected file(s) for threats



Opening a VCL File on Mac

- Getting a remote connection now is very similar to the process on Windows.
- The following slides are a clarification just in case....

1. Go to the GMU Virtual Computing Website:
<https://www.vcl.gmu.edu/index.php>
2. Select “Mason Credentials” and click
“Proceed to Login”.

> Virtual Computing Lab_



Welcome to the Virtual Computing Lab

Please select an authentication method to use:

Mason Credentials

Proceed to Login



Explanation of authentication methods:

- Use Mason Credentials if you are using a GMU account
- Use GMU LDAP if you are using a non-Mason account
- Only use Local Account if there are no other options



3. Type in your email as the Userid (without the “.masonlive.gmu.edu”) and your email password as the Password. Click “Login”.

> Virtual Computing Lab_

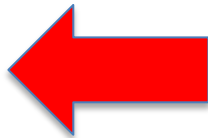


Login with Mason Credentials

UserId:

Password:

Login

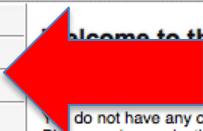


4. Once you are signed in, select the “New Reservation” tab on the left hand side of the page.

> Virtual Computing Lab_



- HOME
- New Reservation**
- Current Reservations
- User Preferences
- Statistics
- Help
- Logout



Welcome to the Virtual Computing Lab

You do not have any current reservations.
Please make a selection from the menu on the left to continue.



5. Select “Windows XP Professional: Matlab 2008a” from the drop down menu under the “environment” you want to use.
6. Select the time at which you want the reservation.
7. Select the duration of the reservation.
8. Press “Create Reservation” when done.

> Virtual Computing Lab_



- HOME
- New Reservation**
- Current Reservations
- User Preferences
- Statistics
- Help
- Logout

New Reservation

Please select the environment you want to use from the list:

Windows XP Professional: Matlab 2008a

Image Description:

Windows XP Professional with Matlab version 2008a

When would you like to use the application?

Now
 Later: Monday At 1:00 a.m. (Eastern Time Zone)

Duration: 1 hour

Estimated load time: < 1 minute

Create Reservation



9. The reservation will load, this could take several minutes.

> Virtual Computing Lab_



- HOME
- New Reservation
- Current Reservations**
- User Preferences
- Statistics
- Help
- Logout

Current Reservations

You currently have the following normal reservations:

	Environment	Starting	Ending	Initially requested
<i>Pending...</i> Est: 1 min remaining	Windows XP Professional: Matlab 2008a	Monday, Aug 29th, 10:46 pm	Tuesday, Aug 30th, 12:00 am	Monday, Aug 29th, 10:46 pm

Delete Edit

This page will automatically update every 20 seconds until the *Pending...* reservation is ready.



10. When the reservation is loaded, a “Connect” button will appear where the screen used to say “Pending...”. Click “Connect”.

> Virtual Computing Lab_

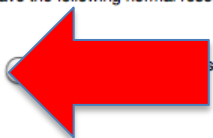


- HOME
- New Reservation
- Current Reservations**
- User Preferences
- Statistics
- Help
- Logout

Current Reservations

You currently have the following normal reservations:

	Environment	Starting	Ending	Initially requested
<input type="button" value="Connect!"/>	XP Professional: Matlab 2008a	Monday, Aug 29th, 10:46 pm	Tuesday, Aug 30th, 12:00 am	Monday, Aug 29th, 10:46 pm



Click the **Connect!** button to get further information about connecting to the reserved system. You must click the button from a web browser running on the same computer from which you will be connecting to the remote computer; otherwise, you may be denied access to the machine.



11. A new page will appear. It will contain a username and password. Write the password down.
12. Click “Get RDP File”.

> Virtual Computing Lab_



- HOME
- New Reservation
- Current Reservations**
- User Preferences
- Statistics
- Help
- Logout

Connect!

You will need to use a Remote Desktop program to connect to the system. If you did not click on the **Connect!** button from the computer you will be using to access the VCL system, you will need to cancel this reservation, request a new one, and make sure you click the **Connect!** button in a web browser running on the same computer from which you will be connecting to the VCL system. Otherwise, you may be denied access to the remote computer.

Use the following information when you are ready to connect:

- Remote Computer: 129.174.24.244
- User ID: sflemin5
- Password: 4Z2eZi

NOTE: The given password is for *this reservation only*. You will be given a different password for any other reservations. For automatic connection, you can download an RDP file that can be opened by the Remote Desktop Connection program.



14. A window will pop up asking if you want to save the RDP File. Select “Save File” and then press “OK”.

> Virtual Computi

GEORGE MASON UNIVERSITY

HOME
New Reservation
Current Reservations
User Preferences
Statistics
Help
Logout

connect!

on the **Connect!** button from the computer you will be using to access the VCL system, you will
tion in a web browser running on the same computer from which you will be connecting to the

for any other reservations.
Desktop Connection program.

Reserved.

George Mason University, Fairfax, VA
www.vcl.gmu.edu | Comments to vclhelp@gmu.edu

Opening Windows XP Professional_Matlab 2008a.rdp

You have chosen to open

Windows XP Professional_Matlab 2008a.rdp
which is a: rdp File
from: https://www.vcl.gmu.edu

What should Firefox do with this file?

Open with Choose...

Save File

Do this automatically for files like this from now on.

Cancel OK



15. The RDP File will download to your Downloads. Double click the file once it has finished downloading.

> Virtual Computing Lab_

- HOME
- New Reservation
- Current Reservations**
- User Preferences
- Statistics
- Help
- Logout

You will need to use a Remote Desktop program to connect to the system. If you did not need to cancel this reservation, request a new one, and make sure you click the Connect button in the VCL system. Otherwise, you may be denied access to the remote computer.







Use the following information when you are ready to connect:

- Remote Computer: 129.174.24.244
- User ID: sflamin5
- Password: 4Z2eZi

NOTE: The given password is for *this reservation only*. You will be given a different password for any other reservations. For automatic connection, you can download an RDP file that can be opened by the Remote Desktop Connection program.

[Get RDP File](#) [What is an RDP file?](#)

Downloads

 Windows XP Professional_ Matlab 2008a(23).rdp	10:49 PM
 RDC_2.1.1_ALL(1).dmg	2:42 PM
 Weingarden_Psyc325syllabus_Fall2011.docx	11:26 AM
 Neur 335 Syllabus - 2011.doc	11:23 AM
 Psyc211-004pm syllabusfall2011.doc	11:21 AM
 tutorial3-1.pdf	August 17

Clear List Search...



16. A window will pop up asking if you want to share your computer with a Window's based system. Press "Connect".

> Virtual Computing Lab

- HOME
- New Reservation
- Current Reservations**
- User Preferences
- Statistics
- Help
- Logout

You will need to use a R need to cancel this rese VCL system. Otherwise, you may

Use the following information whe

- Remote Computer: 129.174.24.244
- User ID: sflmin5
- Password: 4Z2eZi

NOTE: The given password is for *this reservation only*. You will be given a different password for any other reservations. For automatic connection, you can download an RDP file that can be opened by the Remote Desktop Connection program.

[Get RDP File](#) [What is an RDP file?](#)

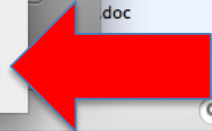


You are sharing your Mac hard disks with a Windows-based computer.

Someone with access to your Windows-based computer can open your Mac disk drives and folders. This is potentially unsafe.

Don't show this message again when connecting to 129.174.24.244

Cancel **Connect**



Downloads

Windows XP Professional_Matlab 2008a(23).rdp	598 bytes - gmu.edu	10:49 PM
		2:42 PM
2011.docx		11:26 AM
		11:23 AM
doc		11:21 AM
		August 17

Search...



17. A second window will pop up asking saying that it can not verify the identity of the computer you are connecting to. Press “Connect”.

****NOTE:** This is all safe. You can't damage your computer doing any of this.

> Virtual Computing Lab

- HOME
- New Reservation
- Current Reservations**
- User Preferences
- Statistics
- Help
- Logout

You will need to use a R... need to cancel this rese... VCL system. Otherwise, you may...

Use the following information when...

- Remote Computer: 129.1...
- User ID: sflmin5
- Password: 4Z2eZi

NOTE: The given password is for... For automatic connection, you can download an RDP file that can be opened by the Remote Desktop Connection program.

[Get RDP File](#) [What is an RDP file?](#)

Remote Desktop Connection cannot verify the identity of the computer that you want to connect to.

This problem can occur if:

- The remote computer is running a version of Windows that is earlier than Windows Vista.
- The remote computer is configured to support only the RDP security layer.

Contact your administrator, or the owner of the remote computer for assistance.

Do you want to connect anyway?

File Name	Date
2011.docx	11:26 AM
doc	11:21 AM

Search...



18. A large Windows screen with a blue background will pop up and prompt you for a password. This is the password you wrote down earlier. Type it in and press “OK”.

VCL :: Virtual Computing Lab

gmu.edu https://www.vcl.gmu.edu/index.php

Most Visited Getting Started Latest Headlines

> Virtual Computing Lab

- HOME
- New Reservation
- Current Reservations**
- User Preferences
- Statistics
- Help
- Logout

You will need to use a Remote Desktop Client to connect to the VCL system. Otherwise, you may not be able to connect.

Use the following information when connecting:


- Remote Computer: 129.174.24.244
- User ID: sflemin5
- Password: 4Z2eZi

NOTE: The given password is for manual connection only. For automatic connection, you will need to use a Remote Desktop Client.

[Get RDP File](#) [What is an RDP File?](#)

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www.vcl.gmu.edu | Comments to vclhelp@gmu.edu

VCL :: Virtual Computing Lab 129.174.24.244



Log On to Windows

Microsoft Windows[®] XP Professional

Copyright © 1985-2001 Microsoft Corporation

User name: sflemin5

Password: ●●●●●●

OK Cancel Shut Down... Options <<

Two red arrows point to the 'User name' and 'Password' input fields.



19. You now have access to a screen that shows a Windows system and contains Matlab!

**You can minimize the screen to get to other areas of your Mac.

**When your reservation time is ending, you will receive 10 minute and 5 minute alerts to disconnect.

**Disconnect by closing the window or it will close automatically.

Navigation sidebar (left):
HOME
New Rese
Current R
User Prefe
Statistics
Help
Logout

Desktop icons:
My Computer
My Documents
My Network Places
Recycle Bin
Internet Explorer
Adobe Reader 9
putty.exe
pscp.exe
psftp.exe
MATLAB R2008a (highlighted with a red arrow)
MSN Explorer
Windows Media Player



Logging in Remotely, Using CygWin for WINDOWS

Logging in Remotely, Using CygWinX for Windows

Go here: <http://x.cygwin.com/>

Download and install CygwinX:

Downloading and Installing

Cygwin/X is installed via Cygwin's [setup.exe](#) and the installation process is documented in the [Cygwin/X User's Guide](#). Whether or not you already have Cygwin installed, you can add Cygwin/X to your installation by downloading the latest [setup.exe](#), running setup, and selecting the 'xinit' package from the 'X11' category.



Using Cygwin/X is documented in a step-by-step manner, with lots of pictures and examples, in the [Cygwin/X User's Guide](#). Please notice, however, that Cygwin/X contains many general-purpose programs, libraries, and functions that are part of all X distributions. It is therefore beyond the scope of the [Cygwin/X User's Guide](#) to document all of these X Window System components. To find documentation, for example, for *setxkbmap* one should consult the generic X documentation such as the [setxkbmap\(1\) manual page](#). You could always, of course, do a [Google search](#) for *setxkbmap*, which finds the manual page mentioned above.

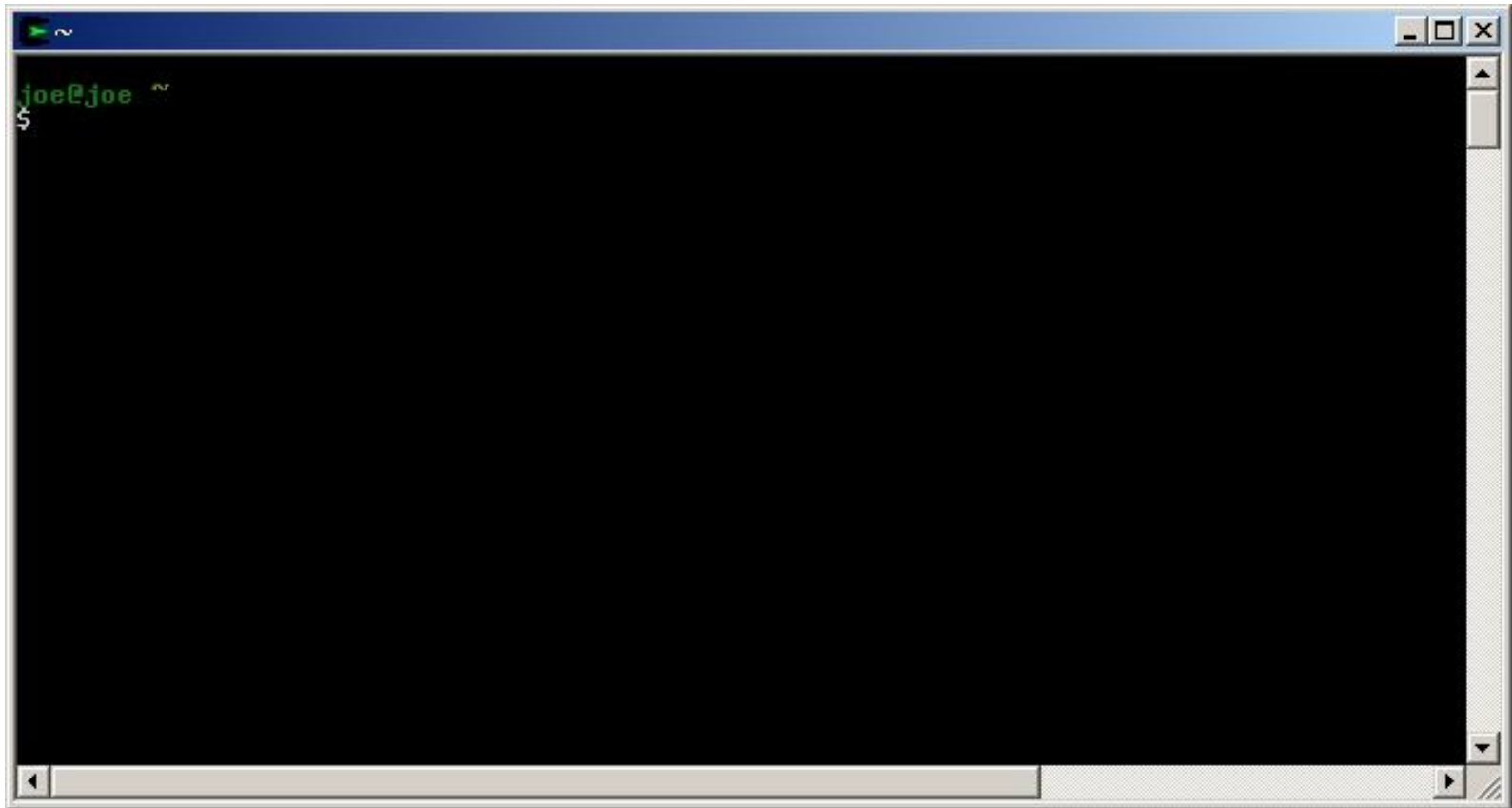
Logging in Remotely, Using CygWinX for Windows

Now click on the Cygwin icon on your desktop
(the icon appears following successful installation):



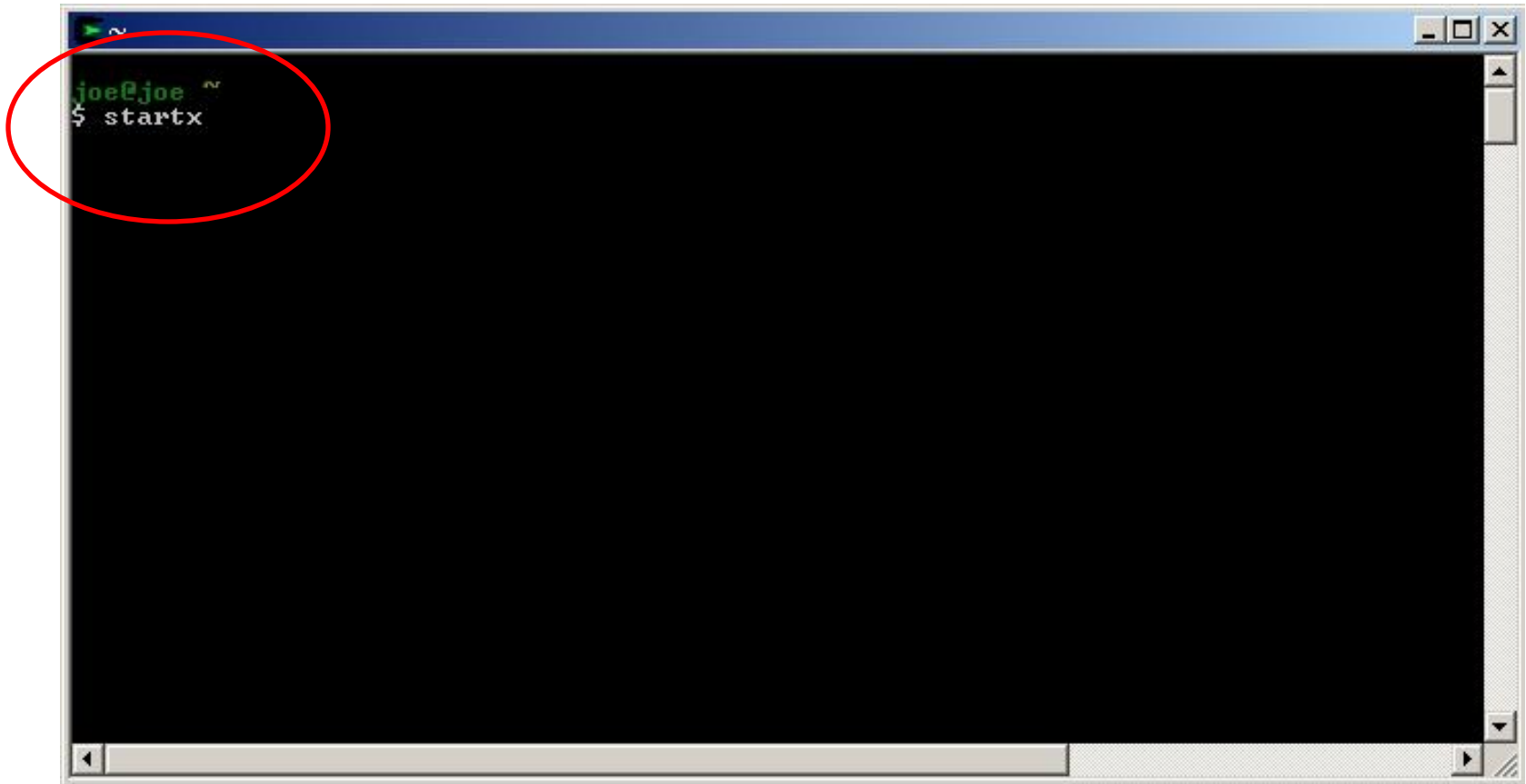
Logging in Remotely, Using CygWinX for Windows

The CygWin window then appears:



Logging in Remotely, Using CygWinX for Windows

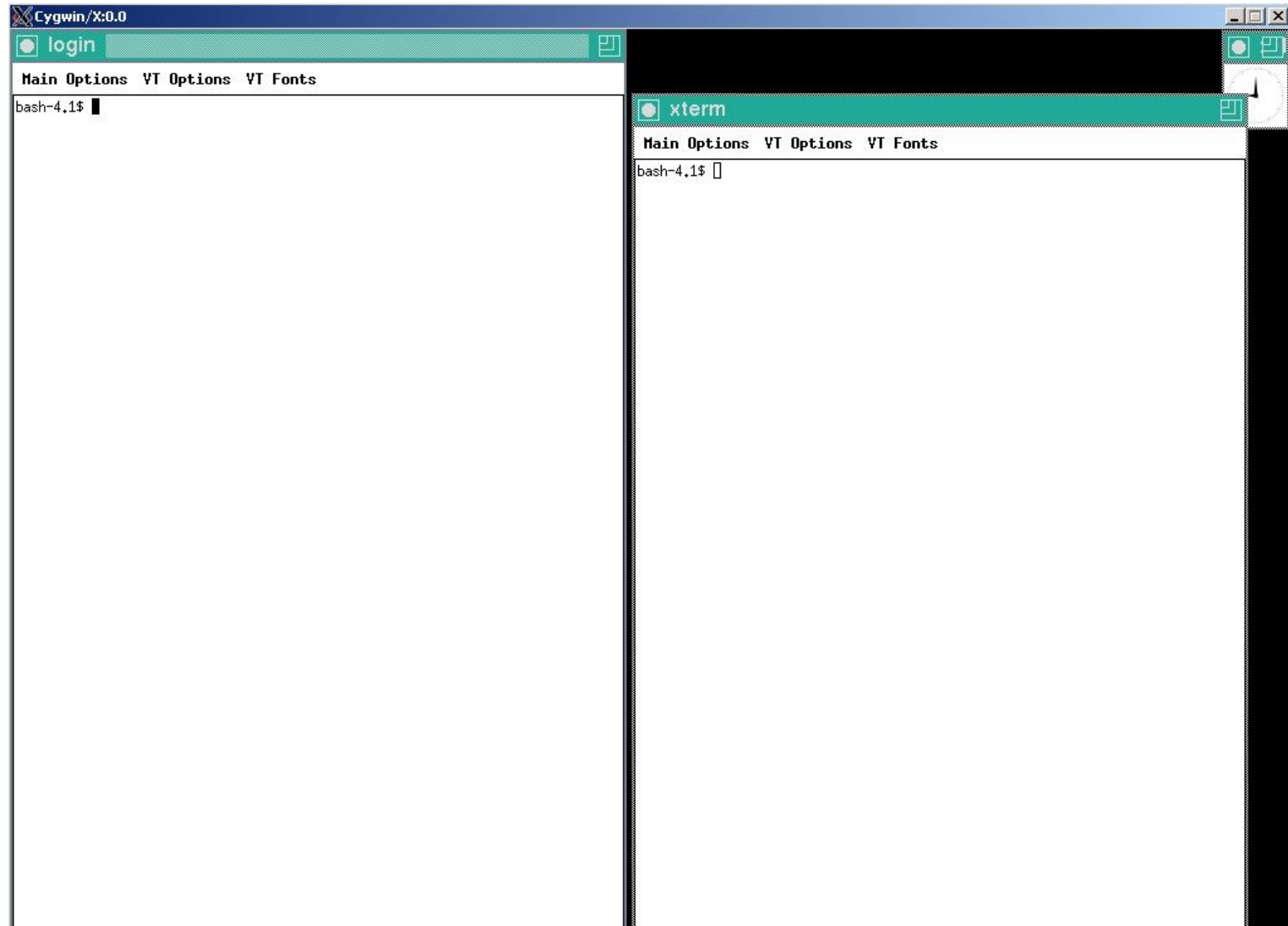
Startup an X windows environment by typing “startx”:

A screenshot of a terminal window with a blue title bar. The terminal content shows the prompt 'joe@joe ~' followed by the command '\$ startx'. A red circle highlights the first line of the terminal output. The window has standard Windows-style window controls (minimize, maximize, close) in the top right and a scrollbar on the right side.

```
joe@joe ~  
$ startx
```

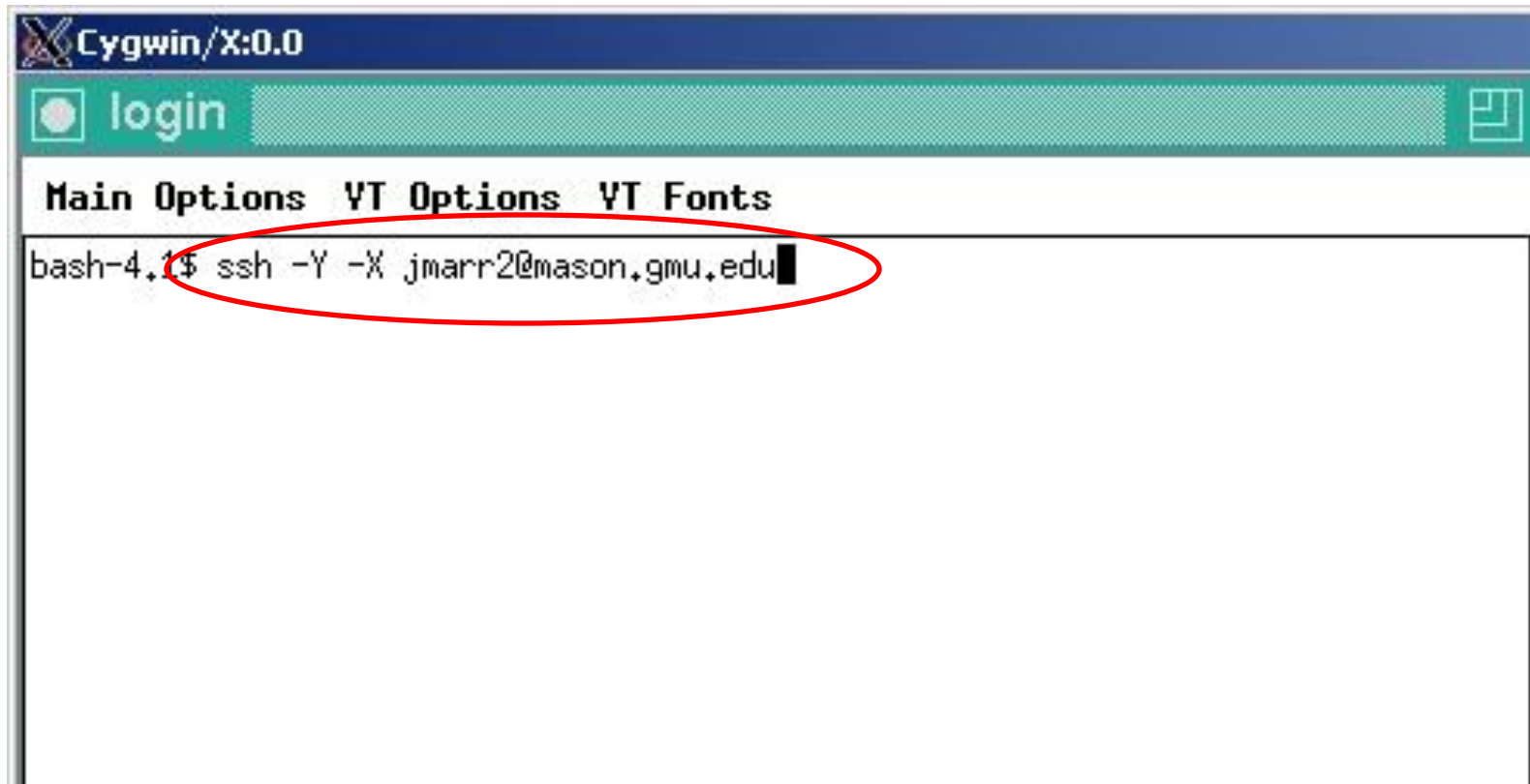
Logging in Remotely, Using CygWinX for Windows

Here's what you should see – or something very similar:



Logging in Remotely, Using CygWinX for Windows

Enter this command AS WRITTEN. Replace “jmarr2” with YOUR MasonID:

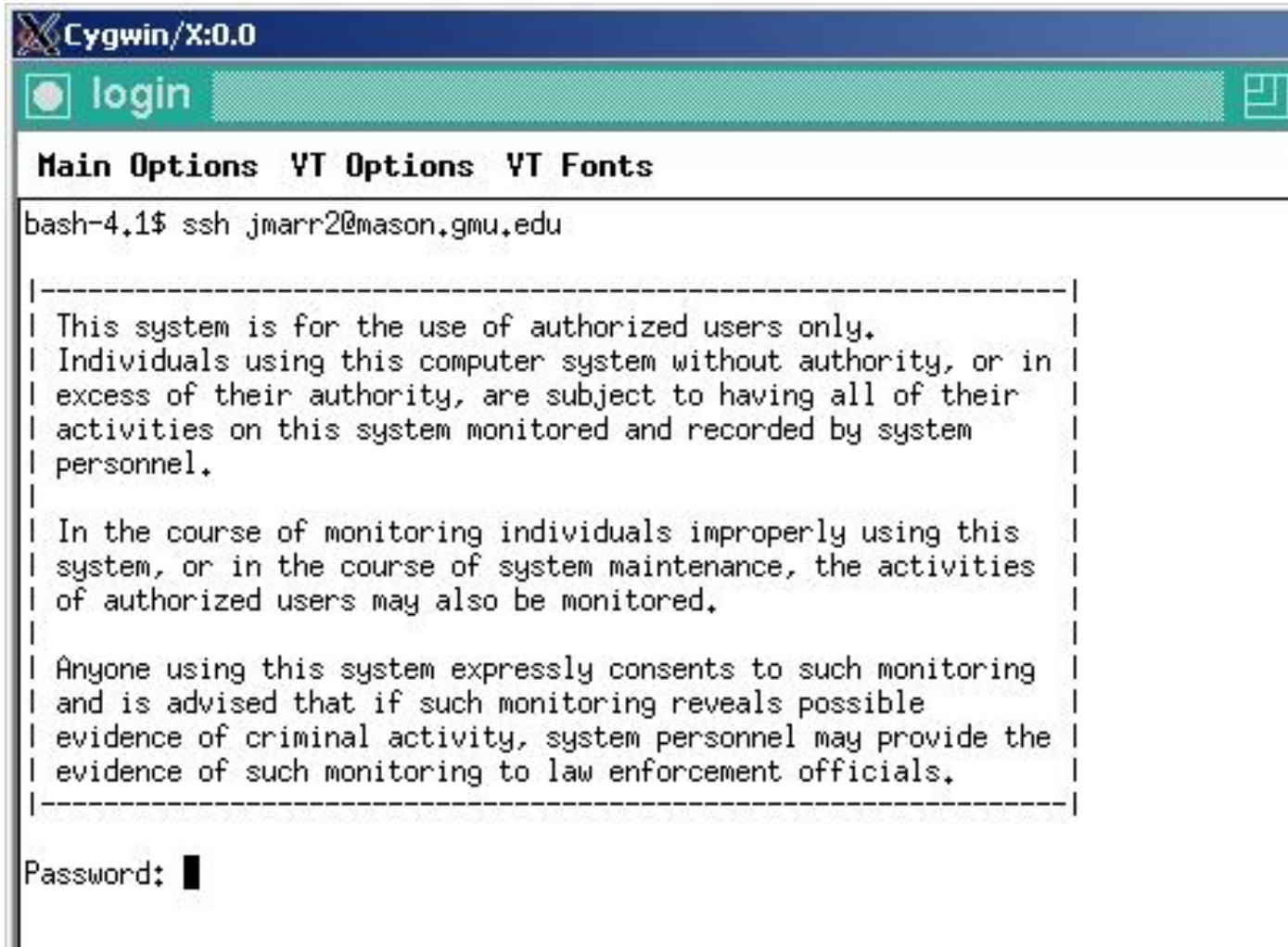


The image shows a screenshot of a Cygwin terminal window. The title bar at the top reads "Cygwin/X:0.0". Below the title bar is a green header bar with the word "login" on the left and a window icon on the right. Underneath the header bar, there are three menu items: "Main Options", "VT Options", and "VT Fonts". The main area of the terminal is white and contains the text "bash-4.1\$ ssh -Y -X jmarr2@mason.gmu.edu" with a black cursor at the end. A red oval is drawn around the command "ssh -Y -X jmarr2@mason.gmu.edu".

```
bash-4.1$ ssh -Y -X jmarr2@mason.gmu.edu
```

Logging in Remotely, Using CygWinX for Windows

Enter your Mason cluster password when prompted to do so . . .

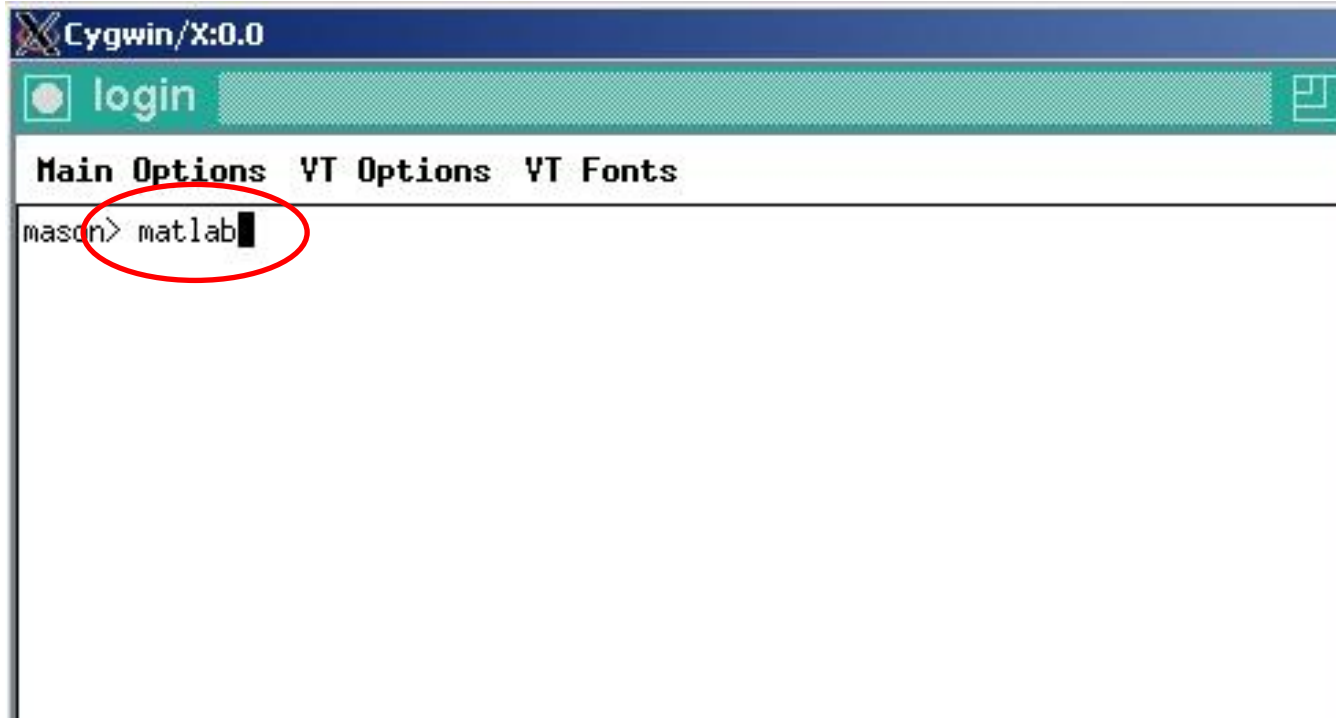


The image shows a terminal window titled "Cygwin/X:0.0". The window has a green header bar with the word "login" and a small icon on the right. Below the header, there are three menu items: "Main Options", "VT Options", and "VT Fonts". The main content area shows a terminal prompt "bash-4.1\$" followed by the command "ssh jmarr2@mason.gmu.edu". The output of the command is a multi-line message enclosed in a dashed border, which is a standard system warning about authorized users and monitoring. The message reads: "This system is for the use of authorized users only. Individuals using this computer system without authority, or in excess of their authority, are subject to having all of their activities on this system monitored and recorded by system personnel. In the course of monitoring individuals improperly using this system, or in the course of system maintenance, the activities of authorized users may also be monitored. Anyone using this system expressly consents to such monitoring and is advised that if such monitoring reveals possible evidence of criminal activity, system personnel may provide the evidence of such monitoring to law enforcement officials." Below the message, the prompt "Password:" is followed by a solid black square, indicating that the password has been entered and masked.

```
Cygwin/X:0.0
login
Main Options  VT Options  VT Fonts
bash-4.1$ ssh jmarr2@mason.gmu.edu
-----
| This system is for the use of authorized users only.
| Individuals using this computer system without authority, or in
| excess of their authority, are subject to having all of their
| activities on this system monitored and recorded by system
| personnel.
|
| In the course of monitoring individuals improperly using this
| system, or in the course of system maintenance, the activities
| of authorized users may also be monitored.
|
| Anyone using this system expressly consents to such monitoring
| and is advised that if such monitoring reveals possible
| evidence of criminal activity, system personnel may provide the
| evidence of such monitoring to law enforcement officials.
|-----
Password: ■
```

Logging in Remotely, Using CygWinX for Windows

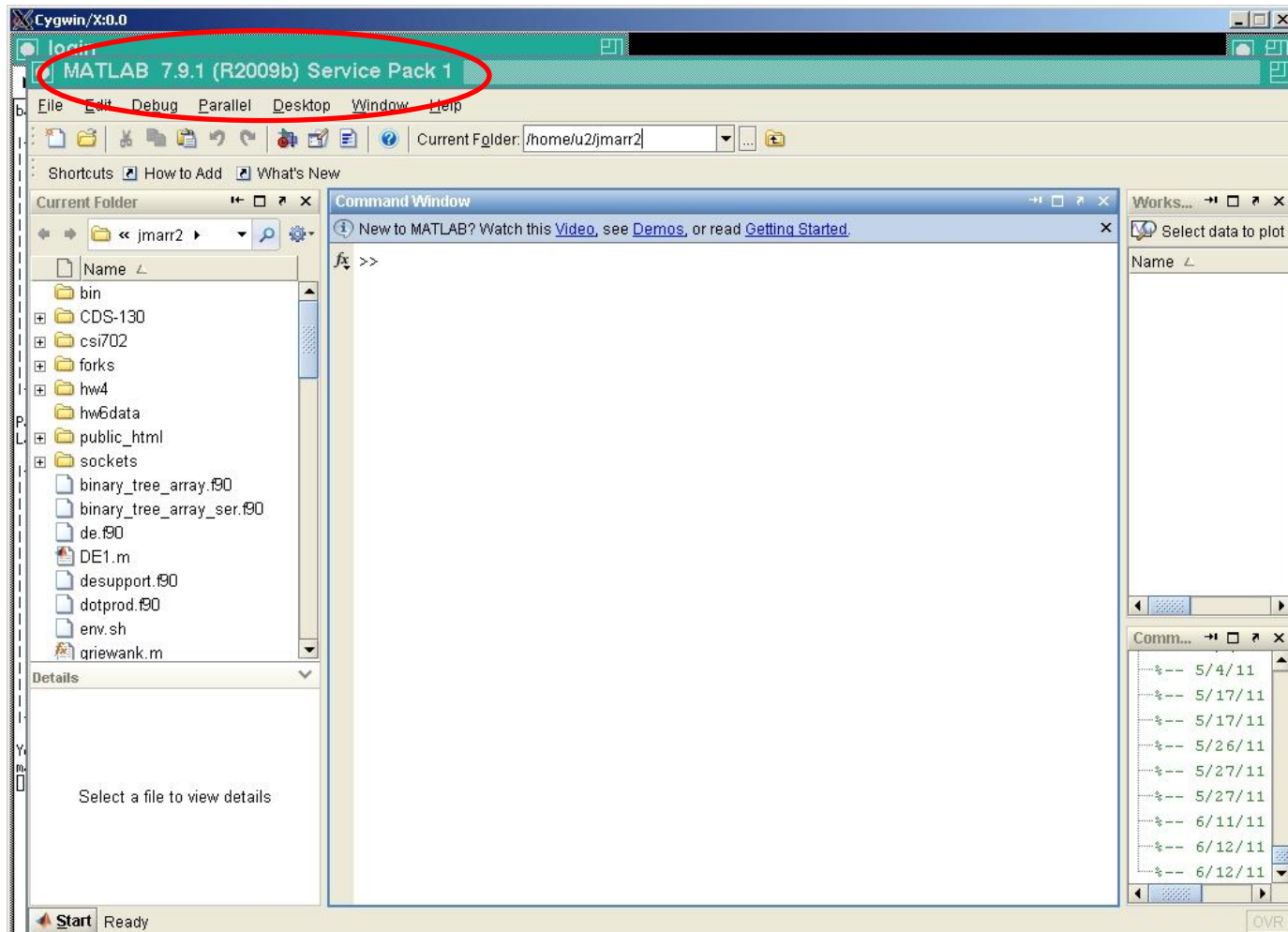
Finally, enter the single word command, “matlab”



The image shows a screenshot of a Cygwin terminal window. The title bar at the top reads "Cygwin/X:0.0". Below the title bar is a green header area with the word "login" on the left and a square icon on the right. Underneath the header, there are three menu items: "Main Options", "VT Options", and "VT Fonts". The main area of the terminal is white and contains the text "mason> matlab" with a black cursor at the end of the word "matlab". A red circle is drawn around the word "matlab" in the terminal.

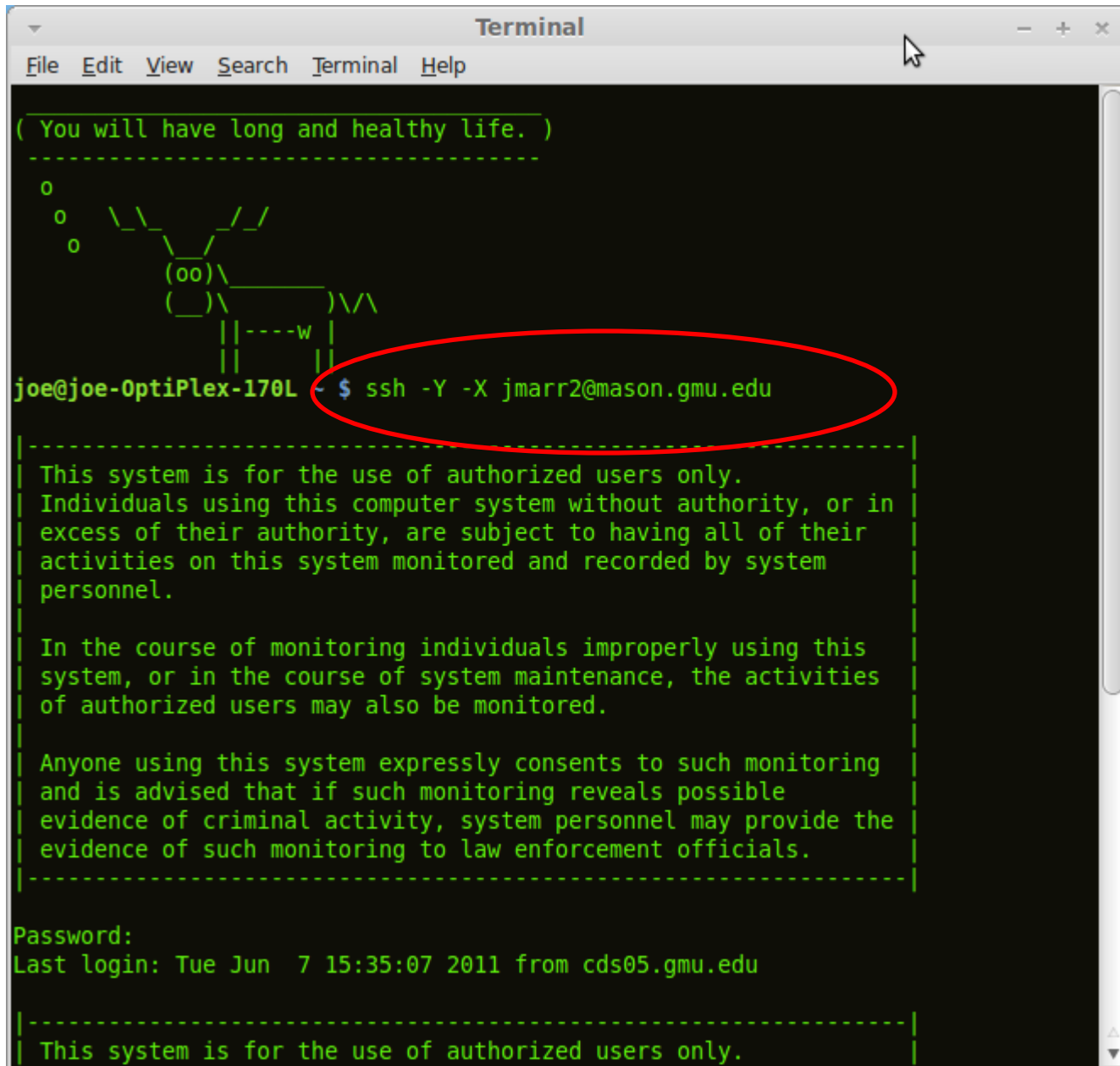
Logging in Remotely, Using CygWinX for Windows

You've now logged into Matlab, which is presented through the Xwindows interface. Note that the version of Matlab available here is NEWER than the one available through VCL!



Logging in Remotely, Using LINUX

Logging in Remotely, Using Linux



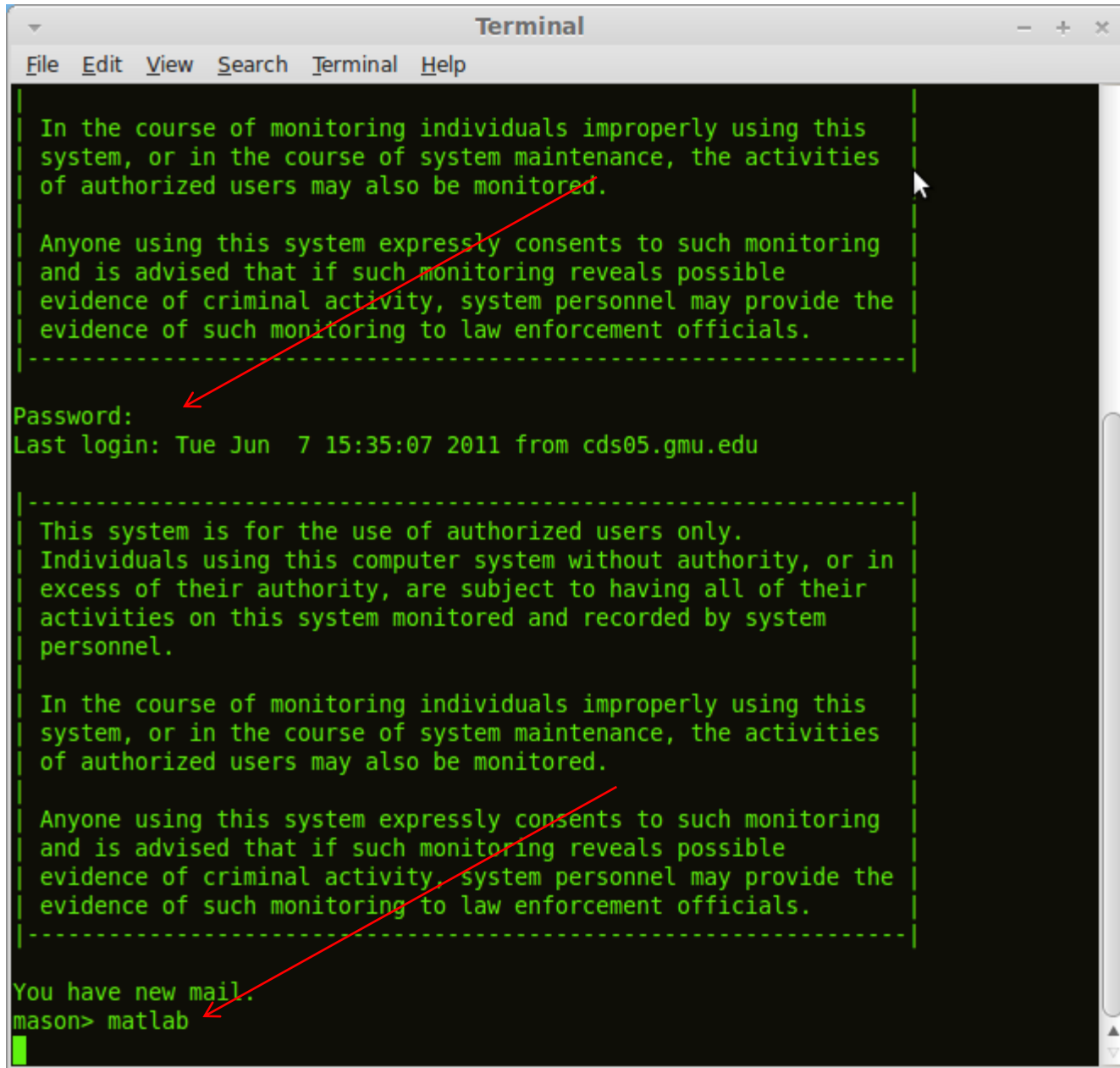
```
Terminal
File Edit View Search Terminal Help

( You will have long and healthy life. )
-----
o
o  \ \ \ \ / \ /
o   \ \ \ \ / \ /
   (oo)\
  ( )\  ) \ \
   ||  ||  ||  ||
   ||  ||  ||  ||
   ||  ||  ||  ||
joe@joe-OptiPlex-170L ~ $ ssh -Y -X jmarr2@mason.gmu.edu

-----
| This system is for the use of authorized users only.
| Individuals using this computer system without authority, or in
| excess of their authority, are subject to having all of their
| activities on this system monitored and recorded by system
| personnel.
|
| In the course of monitoring individuals improperly using this
| system, or in the course of system maintenance, the activities
| of authorized users may also be monitored.
|
| Anyone using this system expressly consents to such monitoring
| and is advised that if such monitoring reveals possible
| evidence of criminal activity, system personnel may provide the
| evidence of such monitoring to law enforcement officials.
|-----
Password:
Last login: Tue Jun  7 15:35:07 2011 from cds05.gmu.edu

|-----
| This system is for the use of authorized users only.
|-----
```

Logging in Remotely, Using Linux



The image shows a terminal window titled "Terminal" with a menu bar containing "File", "Edit", "View", "Search", "Terminal", and "Help". The terminal output is as follows:

```
In the course of monitoring individuals improperly using this
system, or in the course of system maintenance, the activities
of authorized users may also be monitored.

Anyone using this system expressly consents to such monitoring
and is advised that if such monitoring reveals possible
evidence of criminal activity, system personnel may provide the
evidence of such monitoring to law enforcement officials.
-----

Password:
Last login: Tue Jun  7 15:35:07 2011 from cds05.gmu.edu

-----

This system is for the use of authorized users only.
Individuals using this computer system without authority, or in
excess of their authority, are subject to having all of their
activities on this system monitored and recorded by system
personnel.

In the course of monitoring individuals improperly using this
system, or in the course of system maintenance, the activities
of authorized users may also be monitored.

Anyone using this system expressly consents to such monitoring
and is advised that if such monitoring reveals possible
evidence of criminal activity, system personnel may provide the
evidence of such monitoring to law enforcement officials.
-----

You have new mail.
mason> matlab
```

Two red arrows point from the text in the terminal to the "Password:" prompt and the "matlab" command.

Logging in Remotely, Using Linux

You're now logged in, using Linux's native Xwindows capability.

Note that the version of Matlab available here is NEWER than the one available via VCL!

