

INFO3105 Week 1 Class 1

Introduction

- Welcome
- Course Outline
- FOL Email
- Expectations
 - Compressed / Help
 - Attendance
 - Daily checkpoints

Software

- 1) Start with this website :

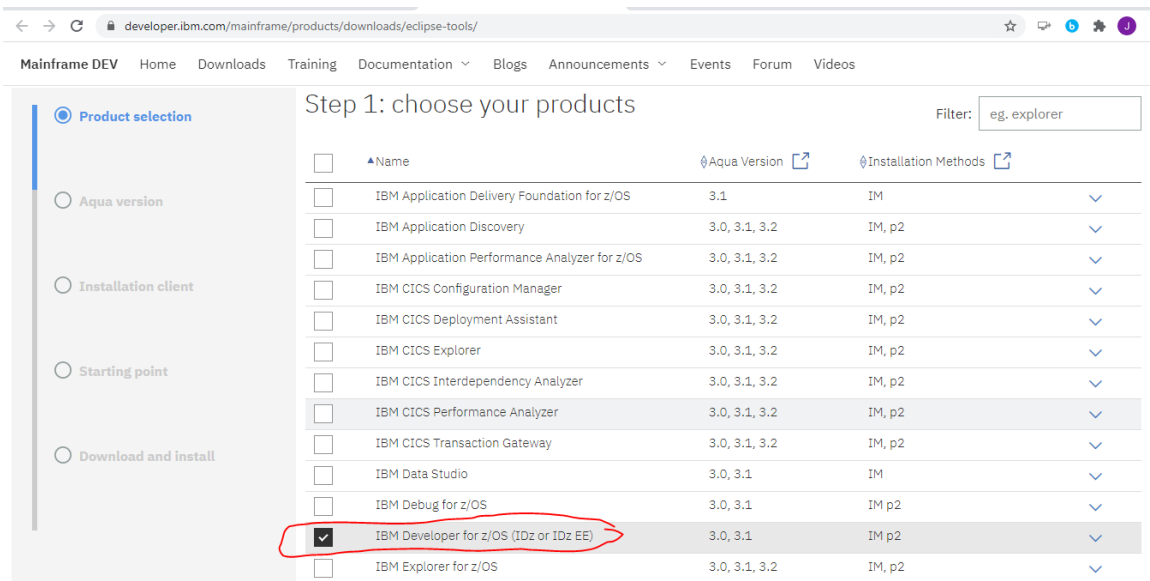
<https://developer.ibm.com/mainframe/products/downloads/eclipse-tools/>

NOTE : Only IF you use a MAC , follow this link to find info on how to install/use IBM Developer:

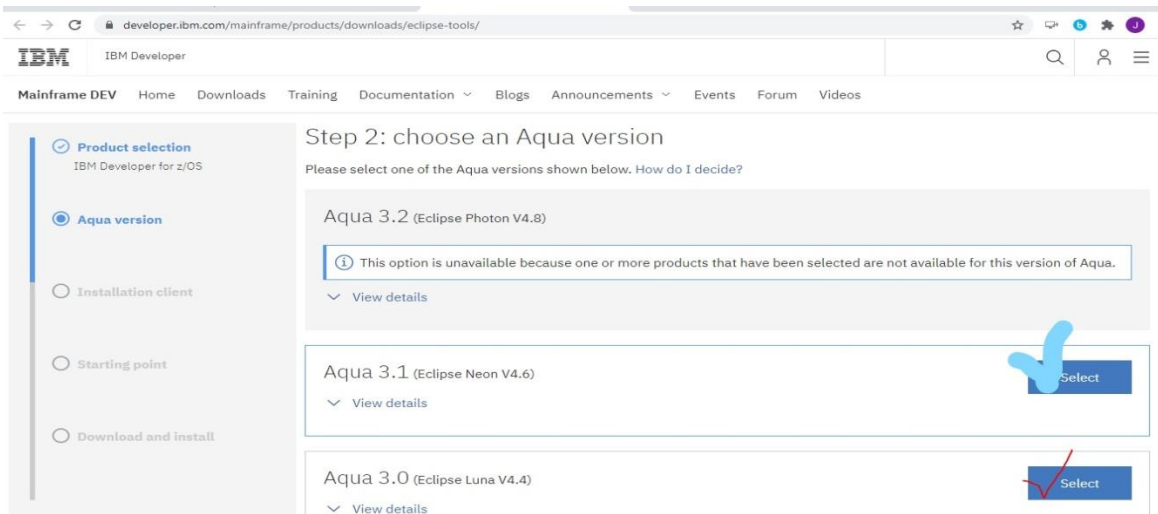
<https://developer.ibm.com/mainframe/2016/08/30/tips-for-installing-explorer-for-zos-on-mac-os-x-with-installation-manager/>

Note : More foolproof option for MAC users is to use Fusion (or Windows boot...) to run this software in windows.

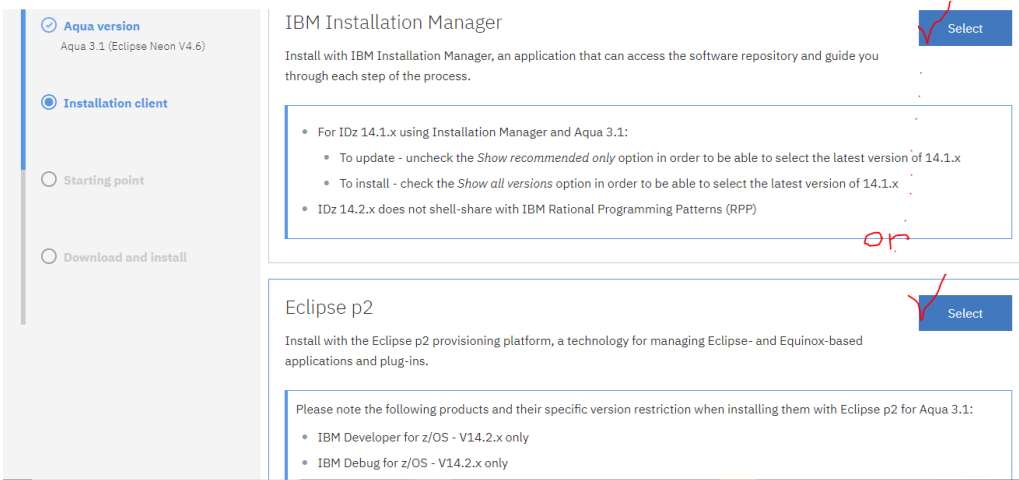
- 2) ➔ On this website, Select IBM Developer for Z/OS , and then SCROLL down and click on Select



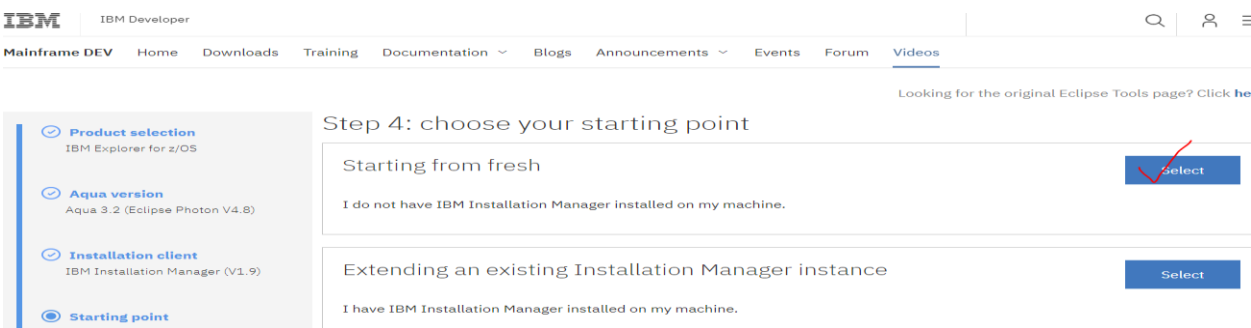
- 3) ➔ Select most recent version of Aqua that supports the Dev environment (currently 3.1) :



3) ➔ Select Installation client of IBM Installation Manager OR Eclipse p2 :



4) a) ➔ Continuing with the IBM Installation Manager Install : Select starting from Fresh – I do not have IBM Installation Manager... (For Eclipse p2 Install instructions go down to page 4 – called steps 4 i) thru iv) in this doc ...)



4 b) ➔ Click on Download ... Once download is complete (it will take a while... - note if you can hard wire to your Router with a Lan cable it will be faster ...), then unzip this downloaded file to a new INFO3105Install folder. Then run the Admin install file called imLauncherWindows.bat ... you may need to accept requests to update you PC/laptop ... just accept those... Then re-start the IBM Installation Manager as instructed below... then choose IBM Developer for Z/OS as the Installation Package... and follow the prompts to install IBM Developer for Z/OS :

developer.ibm.com/mainframe/products/downloads/eclipse-tools/

Apps Team Based Learnin... Imported From Fire... DataShop > Educat... Homepage - Fansh... https://portal.myfa... MHRD, National Ins... Family & Education... InterviewStream - P... Test My Brain User List - INFO605... Imported

Mainframe DEV Home Downloads Training Documentation Blogs Announcements Events Forum Videos

Download and install

These instructions will show you how to install the selected products, using IBM Installation Manager, from an online IBM repository.

Step 1 - Download and install IBM Installation Manager

If you already have IBM Installation Manager installed, skip this step.

Aqua 3.2 (Eclipse Photon V4.8)

3.2

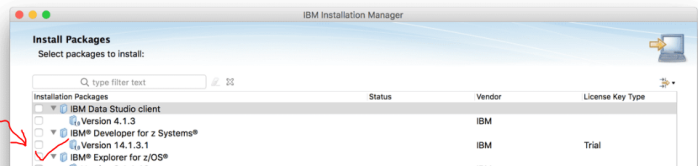
WINDOWS
Windows
Change...

Download

1. Download, unzip, and install IBM Installation Manager (IM) using one of the following options:
 - User install: imLauncherWindowsUser.bat
 - Admin install: imLauncherWindows.bat
2. Restart IM after the installation has completed.

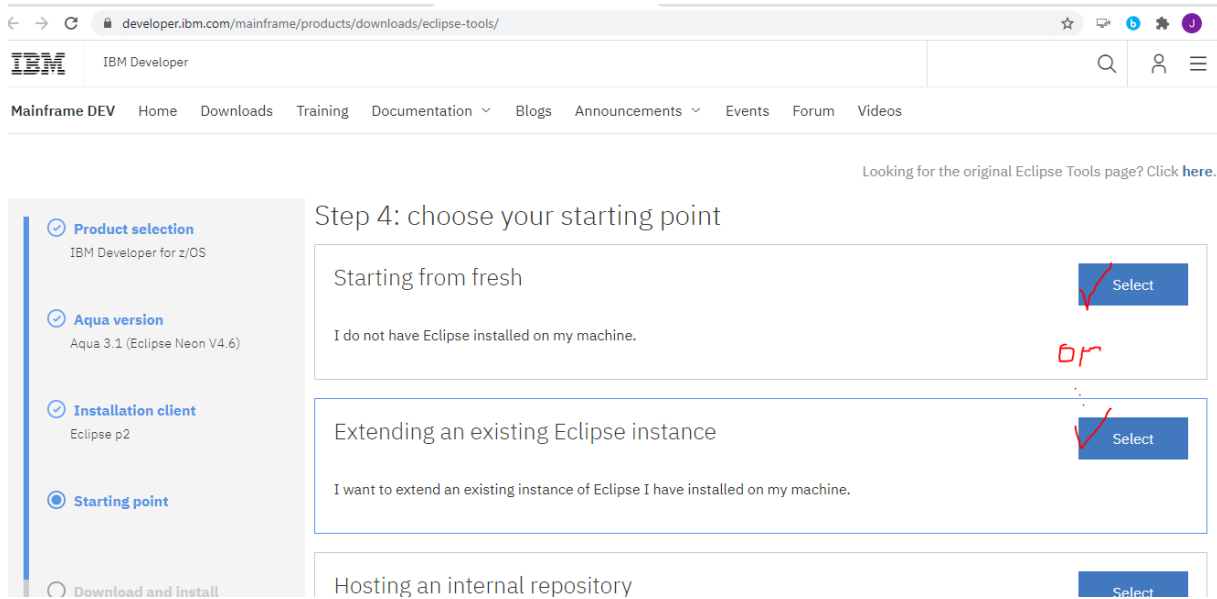
Step 2 - Install product offerings through IM

1. In IBM Installation Manager, select 'Install' to view and select product offerings for installation.

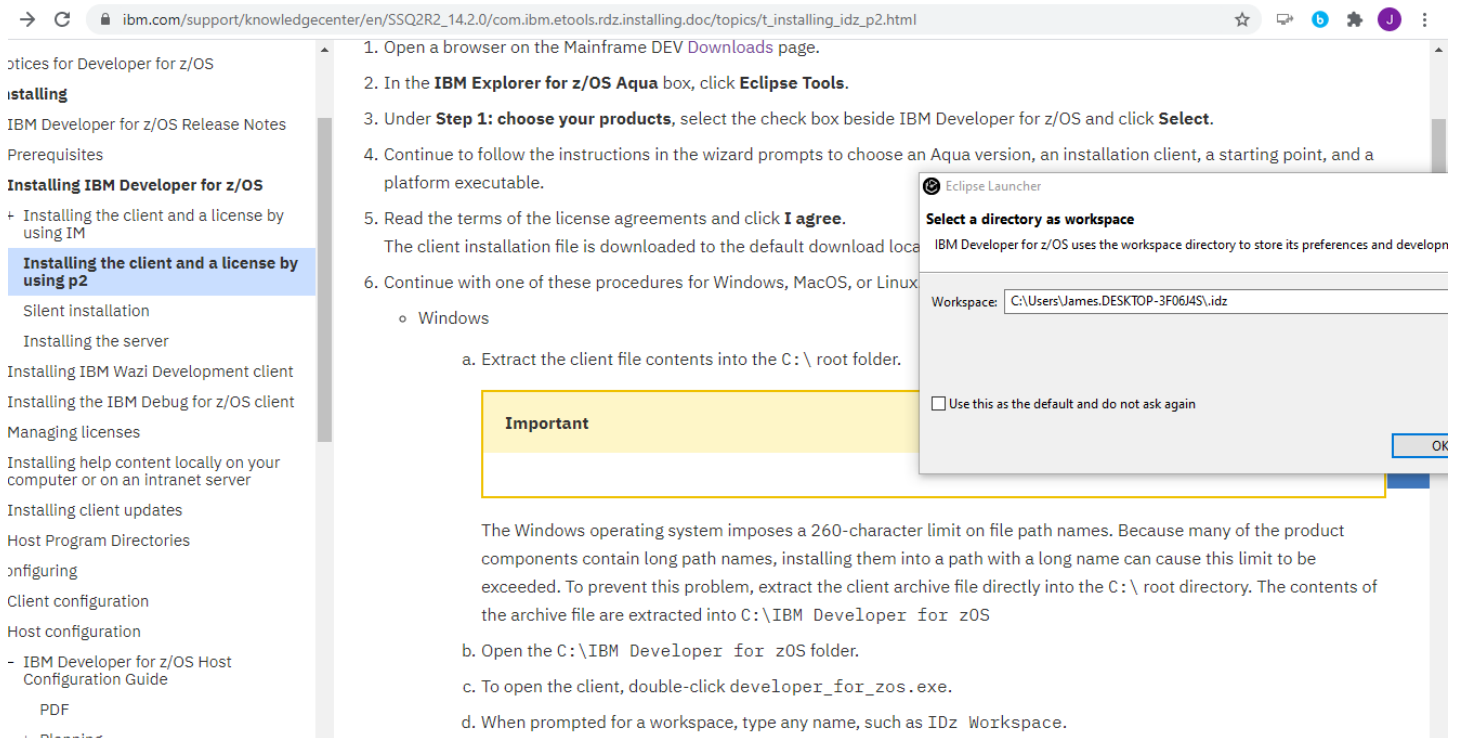


4 c) ➔ In your Laptop Windows application search field ... type in/search for and startup the IBM Developer for ZOS software you just installed. If you are asked any questions as part of these installs, always choose the default/obvious answer (unless instructed otherwise...).

4 i) → Continuing with the Eclipse p2 Install instructions choose Eclipse starting point for your install :



4 ii) → Continuing with the Eclipse p2 Install choose download. Once downloaded, save this file in a folder as close to your root C:\ directory as possible, due to very long folder/file names in this software :



4 iii) Open the folder you extracted IBM Developer into (say C:\IBM Developer for z/OS) and open the IDE software by double clicking on the developer_for_zos.exe executable to startup your Eclipse session, keeping the Workspace default file of C:\Users\James.Desktop-3F06J4S\idz :

The screenshot shows a web browser displaying the IBM Developer for z/OS installation guide. The guide includes a table of contents on the left and a list of steps on the right. An 'Important' box highlights a 260-character file path limit on Windows. An 'Eclipse Launcher' dialog box is open, prompting the user to 'Select a directory as workspace' with the path 'C:\Users\James.Desktop-3F06J4S\idz' entered.

1. Open a browser on the Mainframe DEV Downloads page.

2. In the **IBM Explorer for z/OS Aqua** box, click **Eclipse Tools**.

3. Under **Step 1: choose your products**, select the check box beside IBM Developer for z/OS and click **Select**.

4. Continue to follow the instructions in the wizard prompts to choose an Aqua version, an installation client, a starting point, and a platform executable.

5. Read the terms of the license agreements and click **I agree**.

The client installation file is downloaded to the default download location.

6. Continue with one of these procedures for Windows, MacOS, or Linux:

- Windows
 - a. Extract the client file contents into the C: \ root folder.

Important

The Windows operating system imposes a 260-character limit on file path names. Because many of the product components contain long path names, installing them into a path with a long name can cause this limit to be exceeded. To prevent this problem, extract the client archive file directly into the C: \ root directory. The contents of the archive file are extracted into C:\IBM Developer for z/OS

- b. Open the C:\IBM Developer for z/OS folder.
- c. To open the client, double-click developer_for_zos.exe.
- d. When prompted for a workspace, type any name, such as IDz Workspace.

4 iv) Configure your IBM Developer for z/OS workspace by choosing these as the defaults (including using the Eclipse Editors vs the LPex editor which you will likely be more used to) :

The screenshot shows the 'Personalize My Workspace (step 4 of 4)' dialog box. It displays a 'Personalization Summary' with two options: 'Reconnect to the Remote System' (set to 'Yes, reconnect automatically') and 'LPEx Editor or Eclipse Editors' (set to 'Eclipse Editors'). A red arrow points to the 'Submit' button.

Personalize My Workspace (step 4 of 4)

Personalization Summary

Review the selected preferences below:

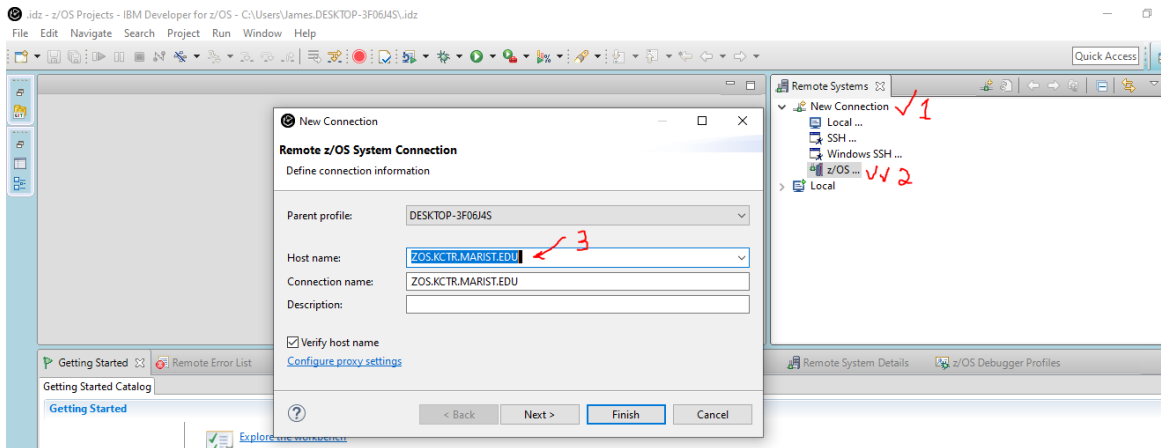
Reconnect to the Remote System	Yes, reconnect automatically
LPEx Editor or Eclipse Editors	Eclipse Editors

← Previous

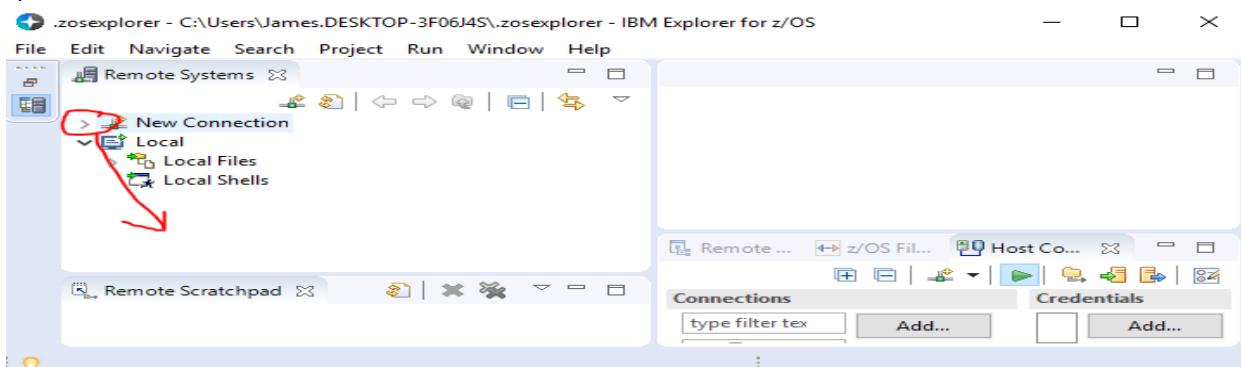
Submit →

5) ➡ Click on the Remote Systems button and/or Close the Welcome page and choose/find the Remote Systems area, then click New Connection, then click z/OS, then overtype the LOCALHOST with the ZOS.KCTR.MARIST.EDU url

This is the URL for the IBM mainframe we have access to that we will be connecting to in Poughkeepsie New York.
Once entered click on the **Finish** button:

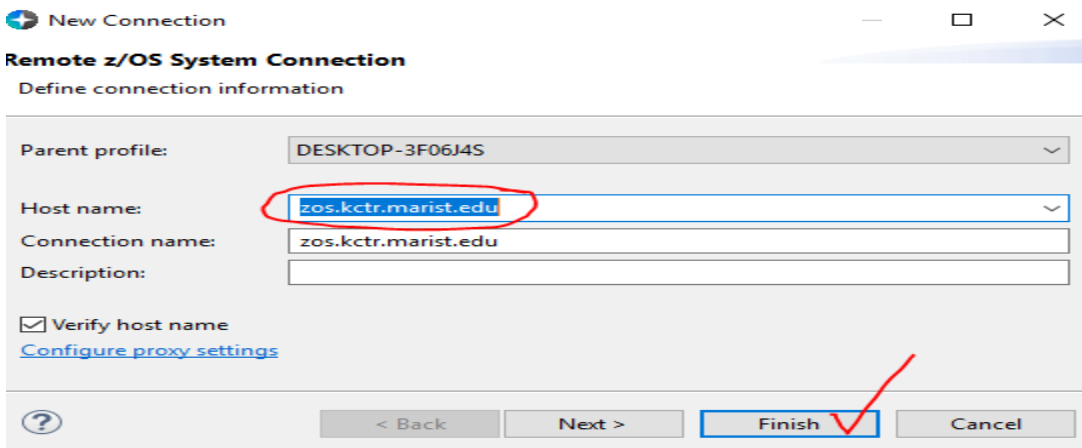


6) ➔ Click on the “arrow” > beside New Connection and choose ZOS :

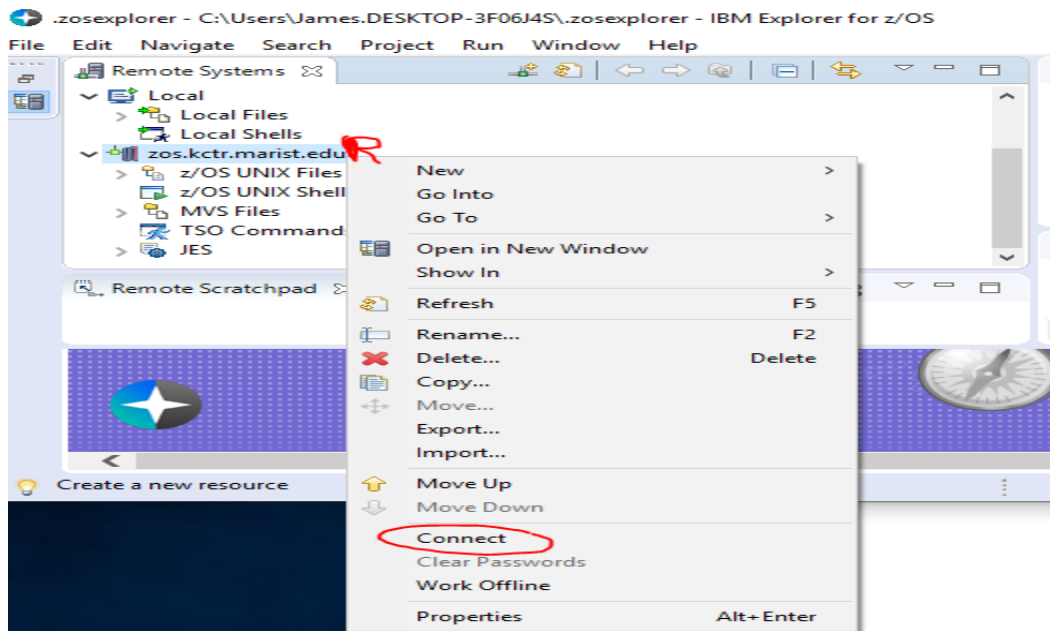


7) ➔ In the Host name: field Type in zos.kctr.marist.edu

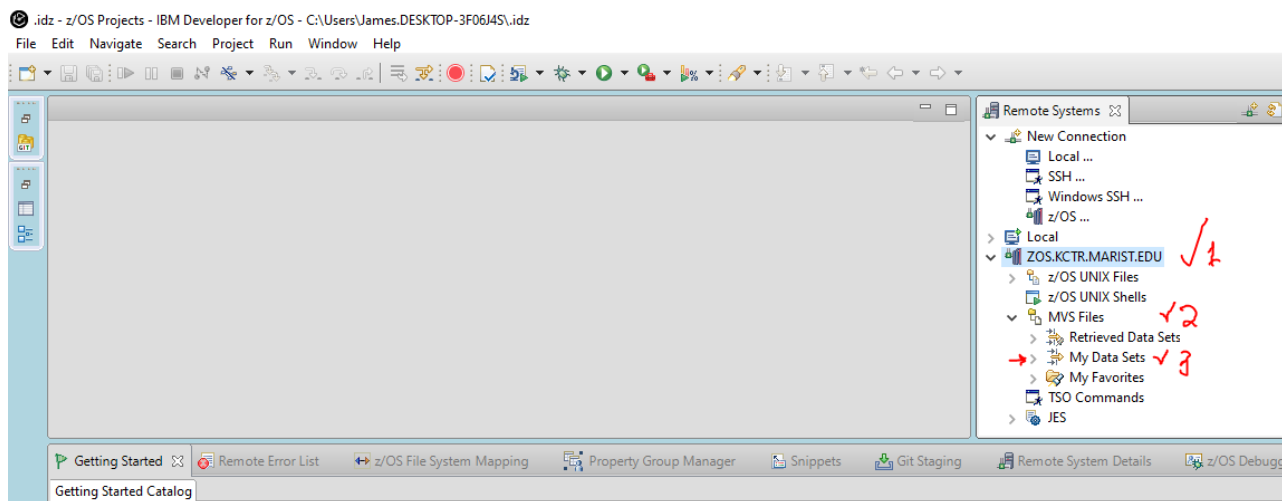
This is the URL for the IBM mainframe we will be connecting to in Poughkeepsie New York:



8) ➔ RIGHT click or double click on the zos.kctr.marist.edu connection and then choose/click Connect

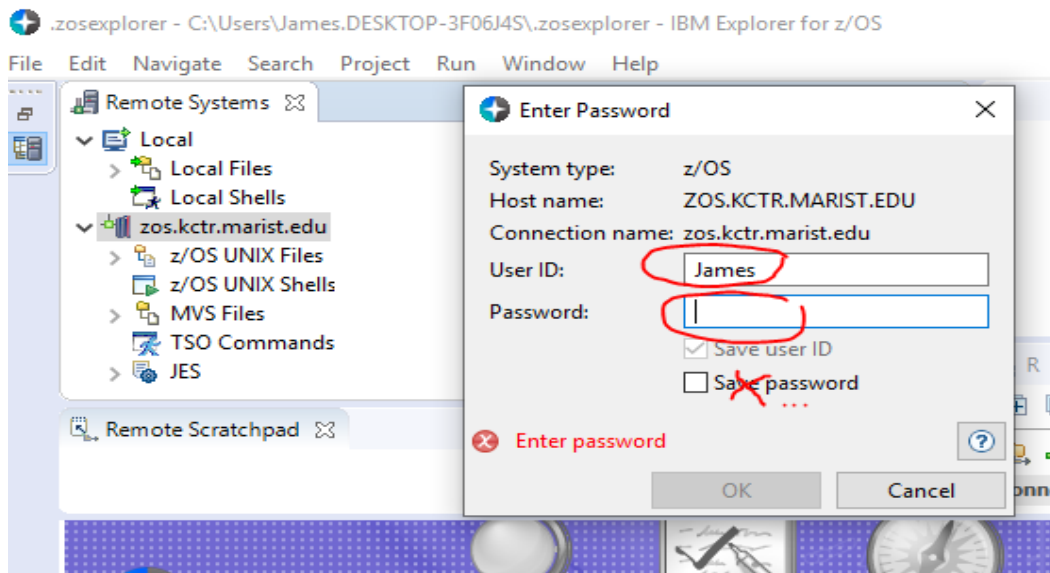


OR Click on the new ZOS.KCTR.MARIST.EDU connection, then click on MVS Files, then click on My Data Sets :

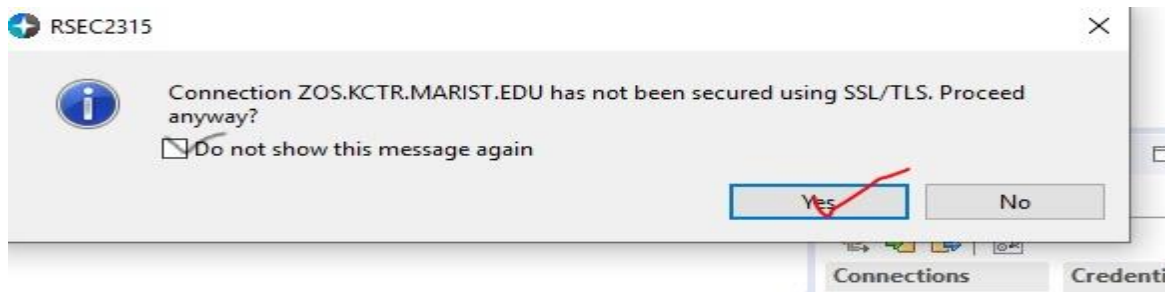


9) Once you have been given YOUR OWN KC03xxx ID ... always use it (instead of the KC03DFF or other demonstration IDs you will see in your professors screen captures)

➔ Overtyping YOUR name ... not James or your name/PC ID ... in the User ID: field with YOUR KC03xxx ID you have been given and the same KC03xxx in the Password field ... but do NOT click on Save password this 1st time ... since your password is already set to Auto-expire:



13) Accept the Connection secured warning by selection Yes to proceed and check to Do not show msg again:



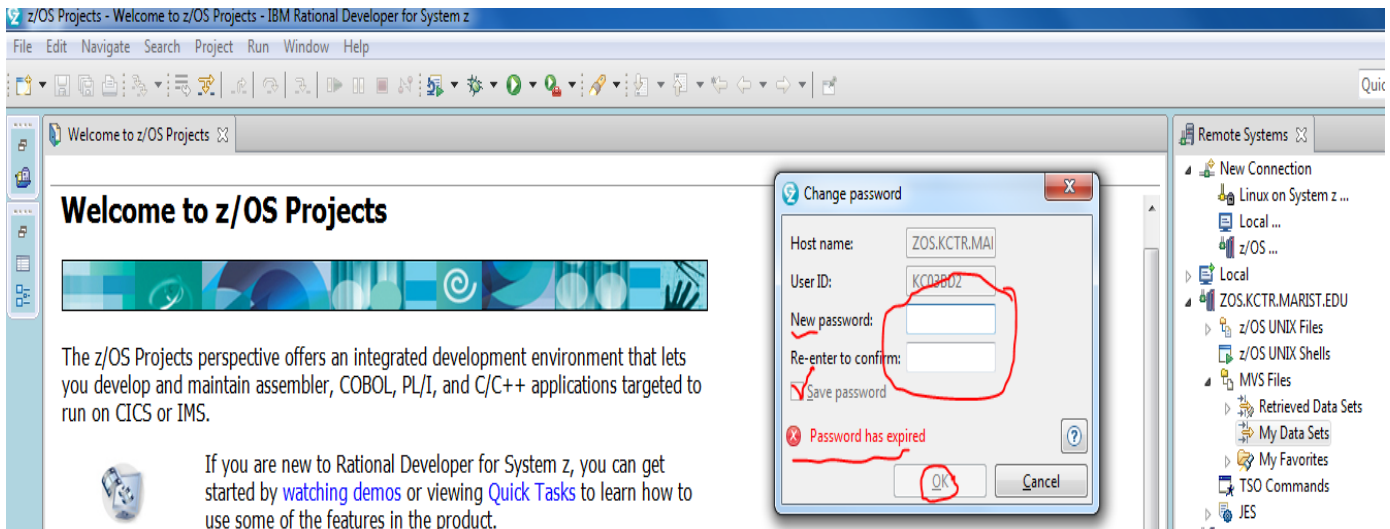
Next: ... Don't choose/click on **Save password** ... yet ... Until you see the Change Password window ... since your password will automatically expire & therefore force you to re-set it the first time you use your User ID :

==> When you see this popup Change password window , check the Save Password checkbox, then very carefully

==> Enter your new password ..(Maximum 8 characters, no special characters - only letters and numbers) in the

New password:

==> AND enter YOUR NEW password AGAIN in the Re-enter to confirm :



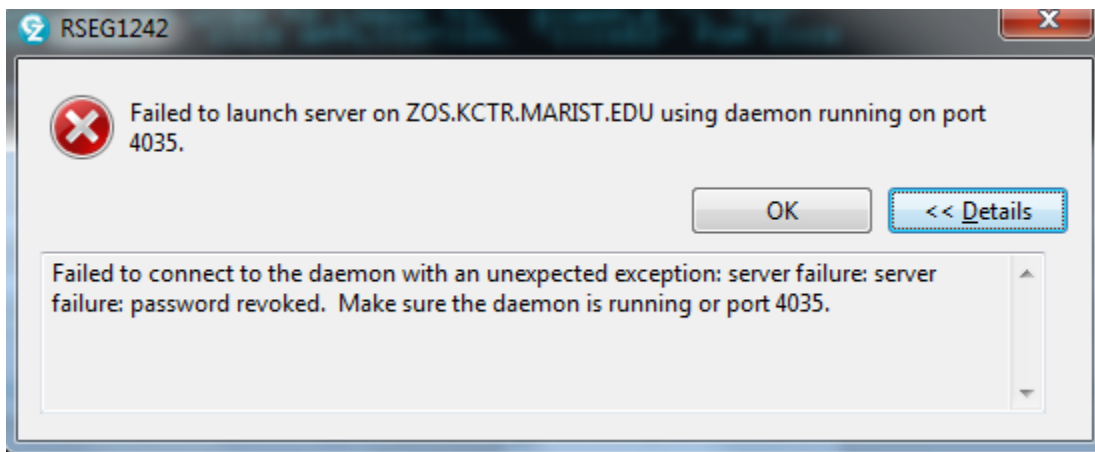
==> **IF you see a message in the Change password window of**

x The new password is invalid

... then you need to click on the ? in the circle to see the details of why? ... and re-read the instructions above to figure out why your NEW password is not valid - maybe

- a) It is not Only letters & numbers,
- b) it is too long ... maximum 8 characters long,
- c) It was used before ... must not be a password that was used before ... so not the same as your KC03xxx ID !!

NOTE : If you see a response window like this one when trying to Connect, you MUST Click on the ? in the circle details button to see why it failed to launch server on ZOS.KCTR.MARIST.EDU ... :



==> **YOU NEED to Click on the Details button** to see what the specific error is!!

..... AND IF the details are as above - ie ... **password revoked** ... , then
 ==> you will need to Read the Password Problems Word Doc on FOL under Mainframe Issues
AND contact me with your KC03xxx ID to reset the Password for YOUR ID.

I will walk through setting up your 1st Project/program.... I will use some COBOL source code that can be found in the FOL files **Lab1 COBOL Source** and **Lab1 Data**. We will eventually end up using this code a couple different ways to get you introduced to the mainframe and COBOL. Specifically we will:

W1 In class #1 / Homework Lab 1 (2%):

1. Download and Install the IBM Developer IDE software on your laptop
2. Create the Lab1Local project and Lab1.cbl program
3. Submit 2 screen shots of the Lab1.cbl cobol program, and be sure to change the AUTHOR to your name as shown in class.
4. Read chapter 1 of the text to get an overview of a simple cobol program. We'll be making some changes to the code from today next class.

