

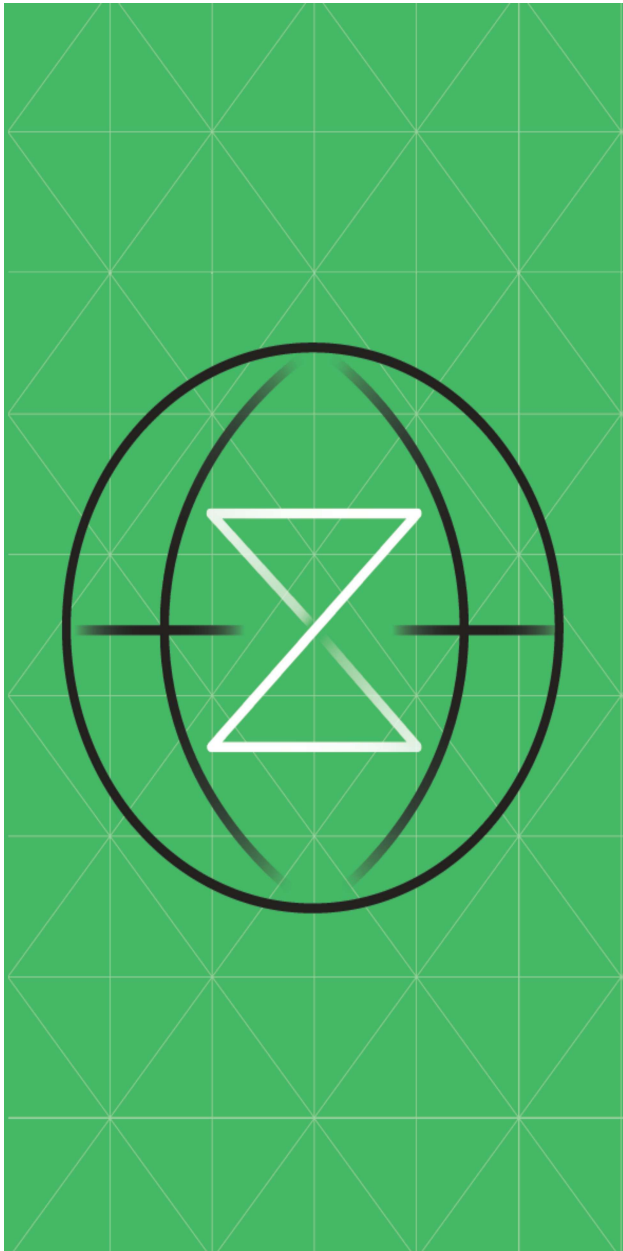
Extended

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TSO1

Prepare for 3270 access

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TERMINAL ACCESS IS THE BEGINNING

While you have been spending most of the time on previous challenges working with the mainframe through VSCode and ssh, you will need at some point to interact with a mainframe using more traditional interfaces.

You may have seen or heard of TSO, the equivalent of the shell environment for zOS.

Sometimes it is unavoidable ...

This challenge will introduce you to the 3270 emulator, which is a software version of original proprietary mainframe-attached terminal screens (originally sold by IBM as the [Model 3270 device family](#)).

The Challenge

This challenge will guide you through the setup process for a terminal emulator on your workstation.

There are many other applications you can use other than the ones provided below.

Feel free to use your own favorite emulator, if you have one.

Before You Begin

Make sure you have completed at least 3 Advanced challenges before you begin.

Investment

Steps	Duration
6	30 minutes

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1 3270 FOR MACOS

x3270 installation on Mac OS X

x3270 is an IBM 3270 terminal emulator for the X Window system.

The following free software is recommended for members running Mac workstations:

1.1 X3270 CLIENT INSTALLATION

Review Instructions here: <http://planetmvs.com/mvsintosh/x3270.html>

1.2 BROWN UNIVERSITY TN3270

Brown University provides a tn3270 client that is freely-licensed for non-commercial use.

Download it from here: <http://www.brown.edu/cis/tn3270/>

Select the tn3270 release that supports your OS X version.

2 3270 FOR WINDOWS

Vista tn3270 Download

You can download and install Vista for a 30 day trial. Just click on the link below and then follow the directions for a quick installation. If you are a registered or company licensed user, your previous registration will be valid after any updates. See [below](#) for details.

Production Version

Click for Vista V1.27 - November 12, 2014
1.8 Meg self-installing exec - for Windows XP, 2000, 2003, Windows Vista, 7, 8, & 10 (32 bit and 64 bit versions)
Note: Do not install V1.27 on top of V1.24 - instead, use the default installation directory.
[What's new with V1.27](#)
[V1.27 Help Documentation in PDF format](#) (thanks to a Vista user)

Previous Versions

Click here for previous versions

Running Vista for the first time

- The Setup routine creates 2 Vista icons. Run the one named "Vista" when you want the [Connect Window](#) to appear so you can type in your host name or address. The second icon without showing the Connect Window. Use this once you've established a host connection.
- The initial key layout is similar to IBM's 3270 emulator. You may need to run the [Key Editor](#) early on so you'll feel more comfortable with the product. Start the Key Editor (see description of how to change keys. And feel free to contact me at the address below if you have problems or questions.

Installing V1.24 over a previous release of V1.24

- You might want to backup your previous version. All files needed by Vista are contained in the Vista directory - so a complete backup should be easy.
- Make sure any previous release Vista windows are closed before starting the maintenance installation. Normally there is no need to reboot your PC after installation if all Vista windows are closed.
- Just follow the instructions listed above as if this was a first time install. It's best to re-install the updated version **on top** of your previous Vista directory. The Setup process will handle the changes, so your previous tailoring won't be lost.
- Company licensed users (which do not require shareware-style registration codes) **must** install on top of your previous release, or the program may think it is running as a demo.

The following software is recommended for members running Windows workstations:

2.1 VISTA TN3270

Tom Brennan Software have kindly offered their tn3270 package for free.

Follow this link, download, and install Vista V1.27:

<http://www.tombrennansoftware.com/download.html>

Vista TN3270 license:

Username

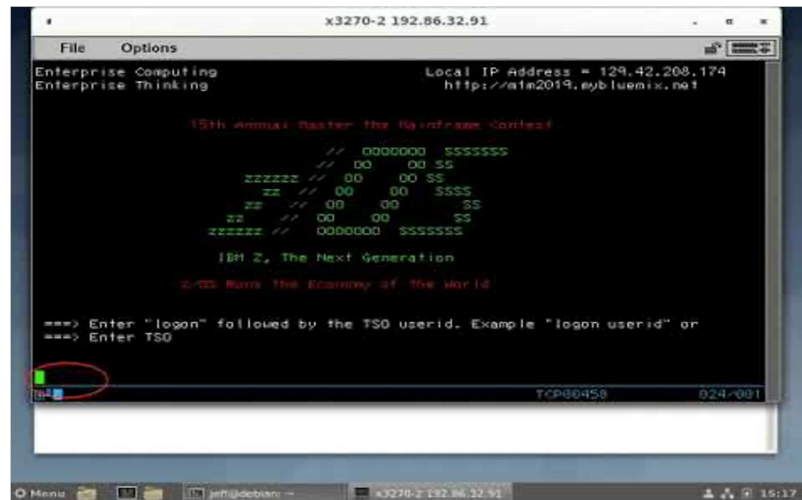
Marist College Student License

Password

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3 3270 FOR LINUX



The following free software is recommended for members running Linux workstations

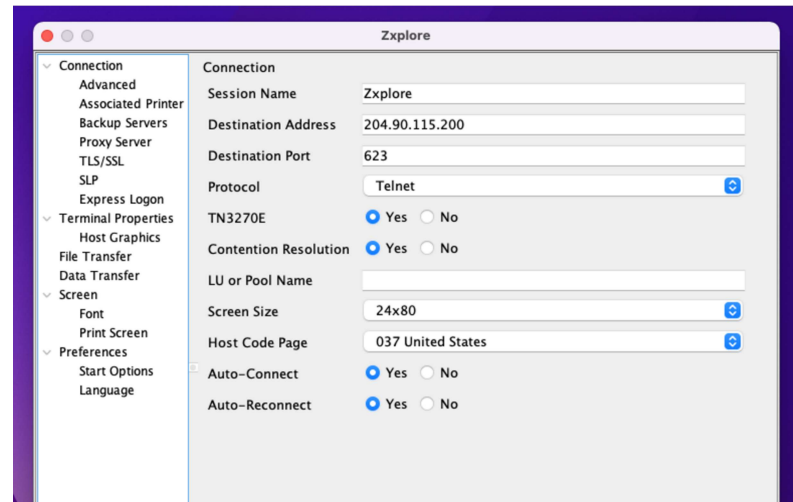
3.1 X3270

Refer to your respective Linux workstation distribution repository to acquire and install x3270.

If you are unsure of what the previous sentence means, use your favorite search engine to search for something like “Ubuntu 16.04 x3270 installation” or “Fedora 24 x3270 installation”.

Once installed, you can open the 3270 emulator from your local terminal by entering the command `x3270` or by searching the application menu.

4 SETTING THE CONNECTION



Regardless of your Terminal emulator, you must select the proper option to setup your first connection.

In most cases, you might need to enter a session name.

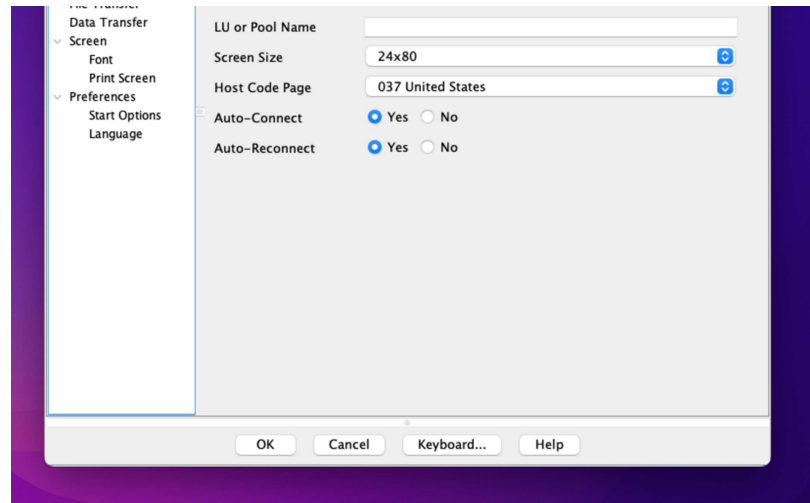
This name can be anything you want it to be, as long as you recognize it; for example, we use “Zxplore”.

In the destination or host address field, type the following IP Address:

204.90.115.200

Enter the Port to use which is **623**

5 SAVE YOUR SETTINGS



Select the appropriate option to save your credentials and settings.

6 KICK IT!

Now that you have created a session, get yourself to the TSO logon display.

Select the session you just have configured or hit the “connect button”.

If the connection settings are correct, you should see your TSO logon display.

See it?

```
File Edit Settings View Communication Actions Help
Build an IBM Z Intelligent Enterprise

http://ibm.biz/zosintro
http://ibm.biz/enterprise-cobol

// 0000000 SSSSSS
// 00 00 SS
zzzzzz // 00 00 SS
zz // 00 00 SSSS
zz // 00 00 SS
zz // 00 00 SS
zzzzzz // 0000000 SSSSSS

IBM Z, The Next Generation
z/OS Runs the Economy of the World

==> Enter "logon" followed by the TSO userid. Example "logon userid" or
==> Enter TSO

24/001
PF1 PF2 PF3 PF4 PF5 PF6 Enter PA1 Attn Insert NewLine
PF7 PF8 PF9 PF10 PF11 PF12 Clear PA2 SysReq Delete NextPad
204.90.115.200:623 6
```

Great, you’ve successfully set up your connect and are ready to get into TSO/ISPF.

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Nice job - let's recap	Next up ...
<p>There are many different applications to run your terminal session with. They all have the same look and feel but may vary on the way to set the properties. Use the help function of your chosen application to properly select your connection before going to the the next challenge.</p>	<p>Let's look at what you can do using TSO and continue with the TSO challenges.</p>