Extended

240307-2354

TS01

Prepare for 3270 access

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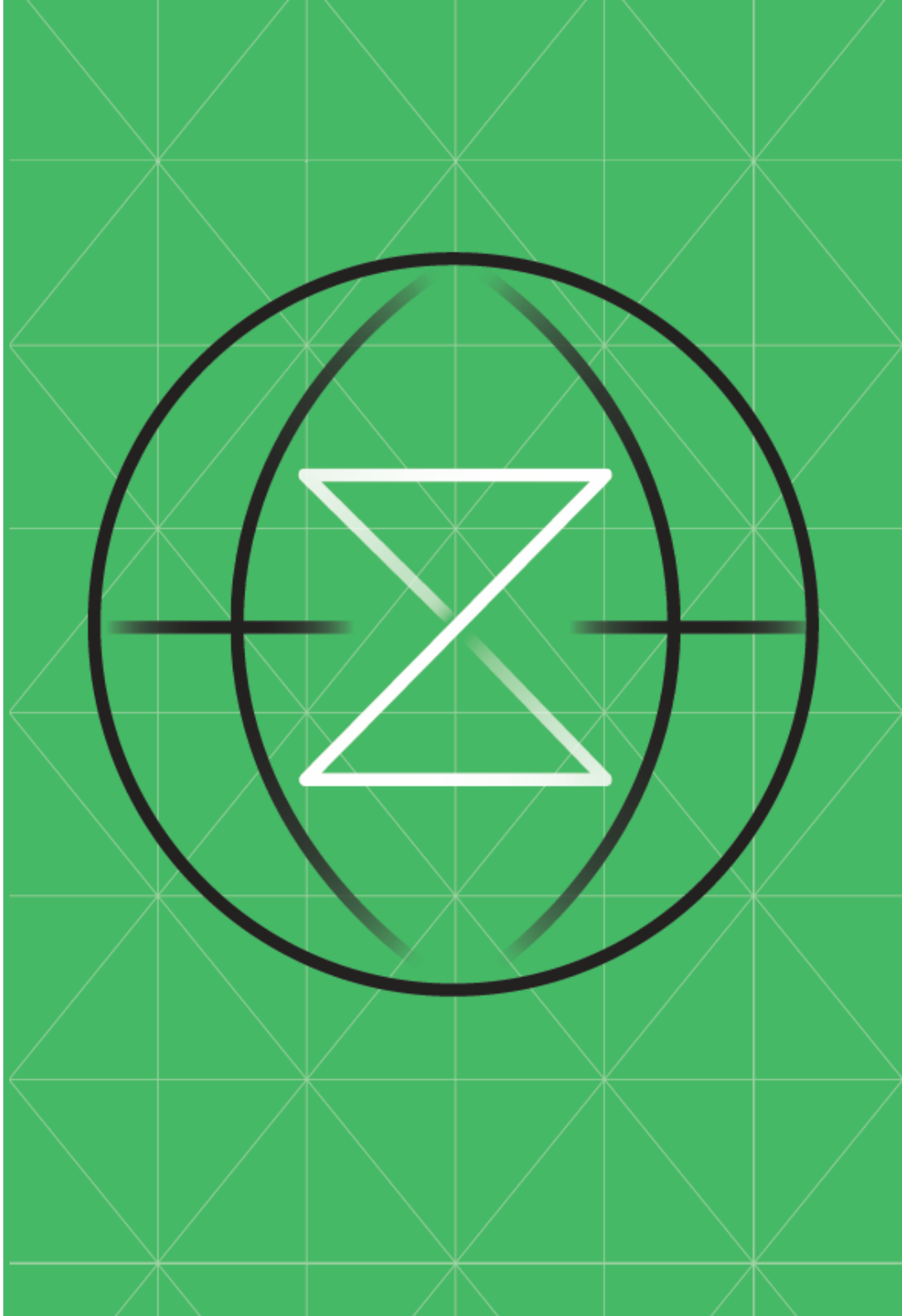

TERMINAL ACCESS IS THE BEGINNING

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 then 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

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.

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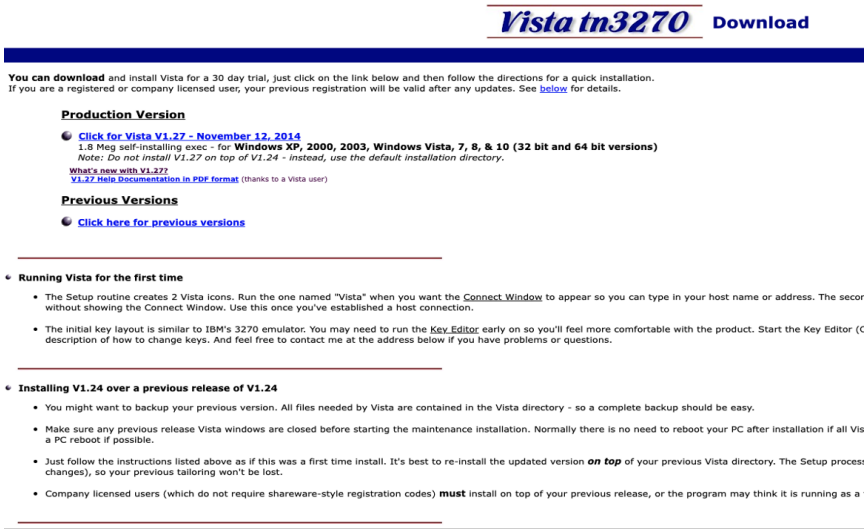
2 3270 FOR WINDOWS



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|K43E9D5EDH|

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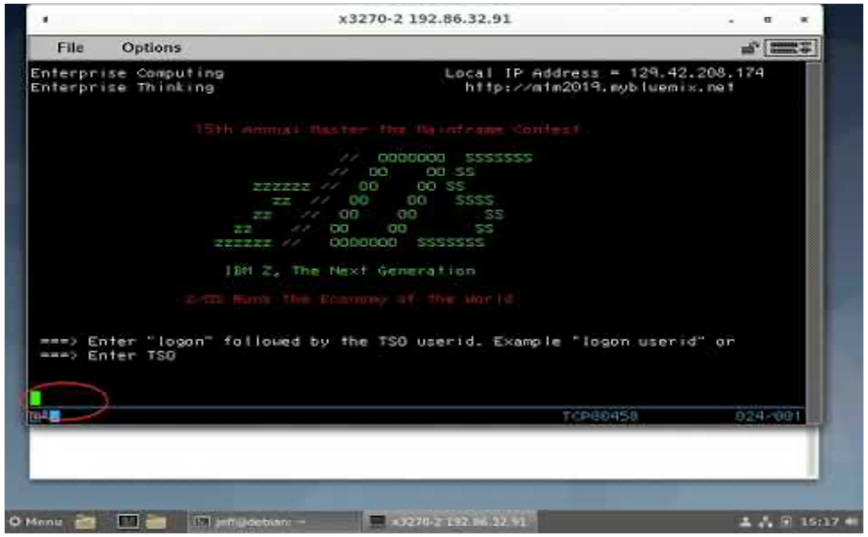
3 3270 FOR LINUX



The following free software is recommended for members running Linux workstations.

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.

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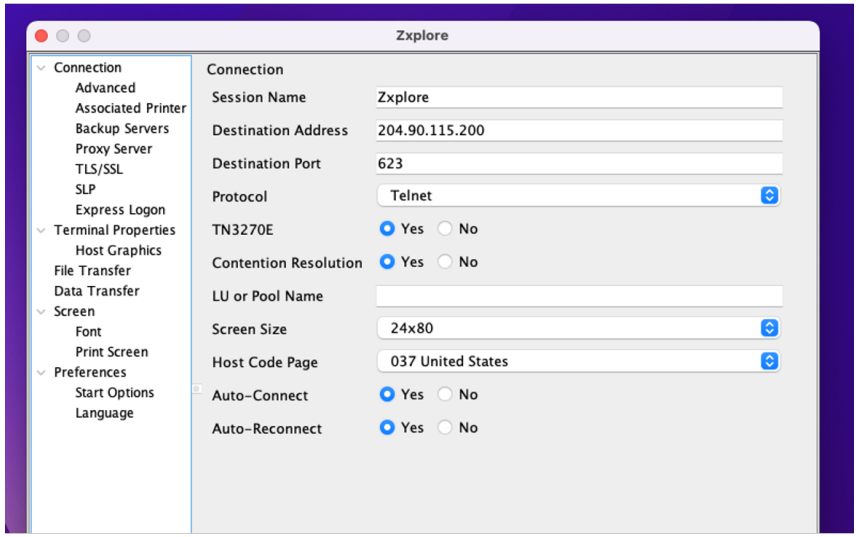
4 SETTING THE CONNECTION



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**

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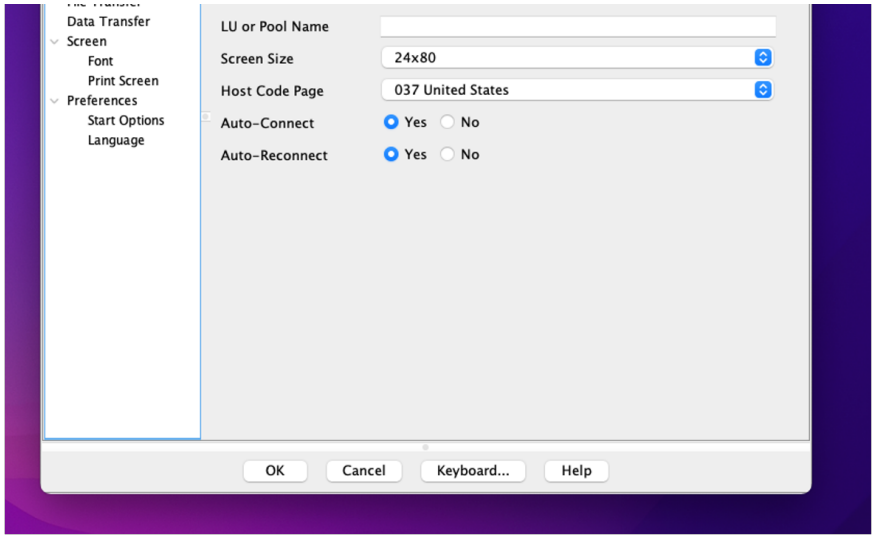
5 SAVE YOUR SETTINGS



Select the appropriate option to save your credentials and settings.

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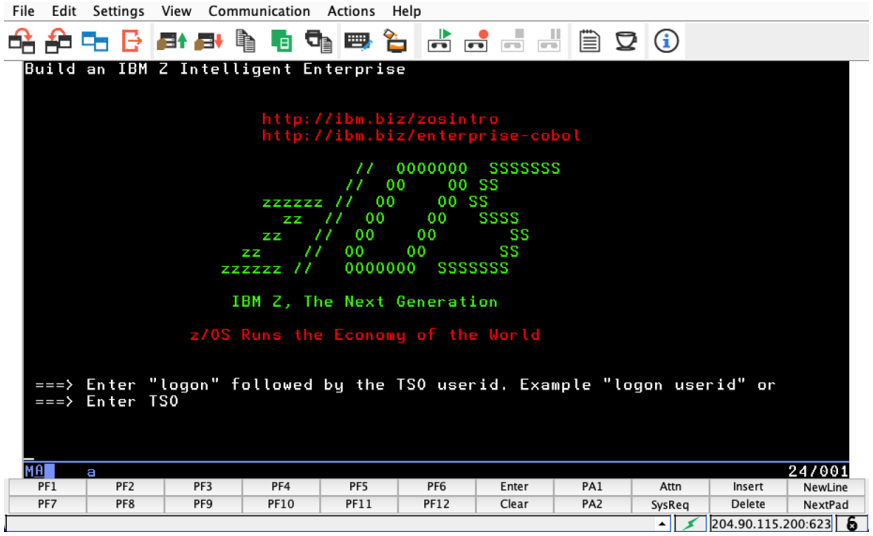
6 KICK IT!

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?



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 …
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.	Let’s look at what you can do using TSO and continue with the TSO challenges.

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