Project Template: Zones

In this guide we will:

- Create a UQ Zone
- Host your website
- Connect to mysql

Before we start

You should have a working project on your local machine.

The goal of this practical is to upload this working code to your zone such that the website is accessible from outside your computer.
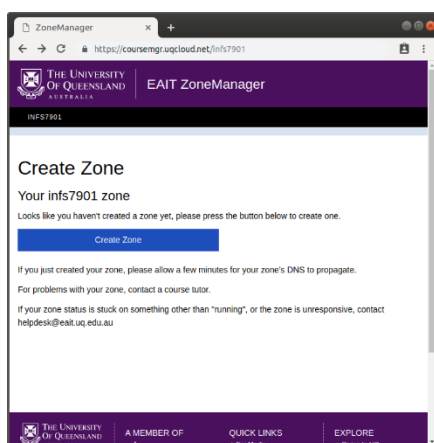
Step 1: Check your zone

You should be able to open jupyter notebook (where you can upload your notebook files or create new notebooks), and also
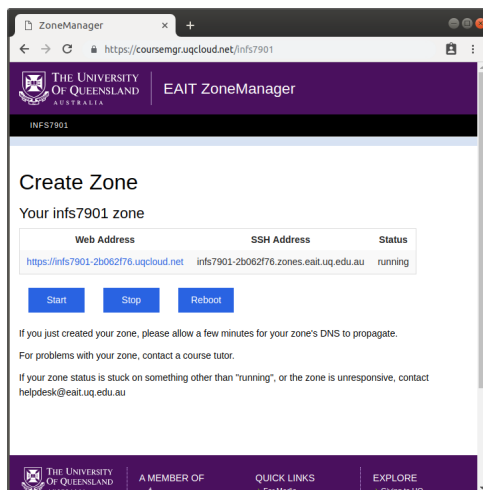
If you use this URL pattern: https://infs7901-YOURZONENAME.uqcloud.net/phpmyadmin

You should see (surprise) **PHPMyAdmin**

Go to https://coursemgr.uqcloud.net/infs7901 and click create zone.

This will take up to 15 minutes

Wait until it says your zone is running before clicking on the address.

Your "zone name" is the part of the url after infs7901-.

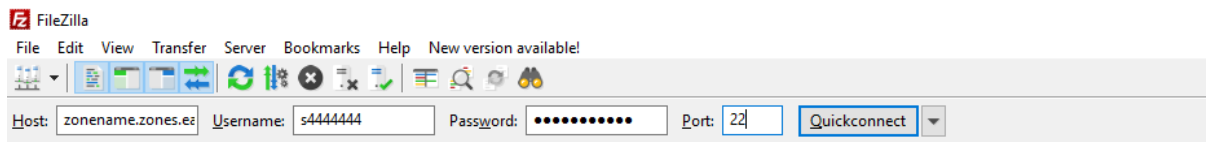In the above image the zone name is 2b062f76

Step 2: Copy Files

We now need to copy your local files onto your zone.

Install Filezilla
This is a client that lets you copy files between different machines via SFTP

https://filezilla-project.org/download.php
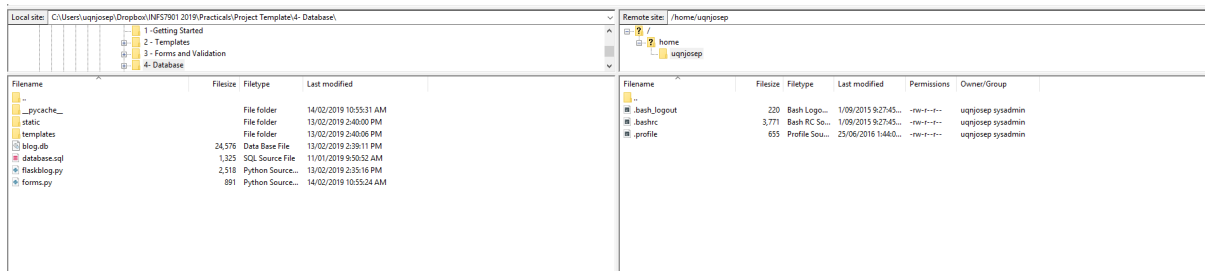
Connect to your zone

The hostname will be: **YourZonename.zones.eait.uq.edu.au**

Username: Student ID

Password: UQ password

Port: 22

Copy files

The left hand side is your local machine, the right side is your zone. We need to copy files between the two.

On the left hand side navigate to the folder with the guide 4 files.

Right click on the right hand side and make a new folder called INFS7901 and go into the folder.
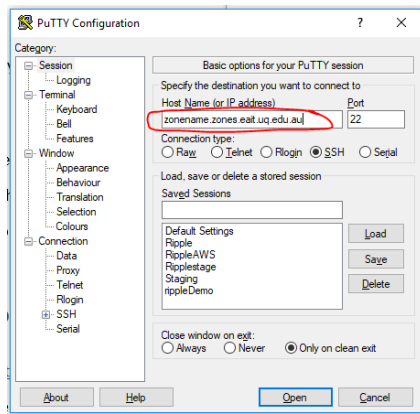
Drag ALL the files from the left hand side to the right.
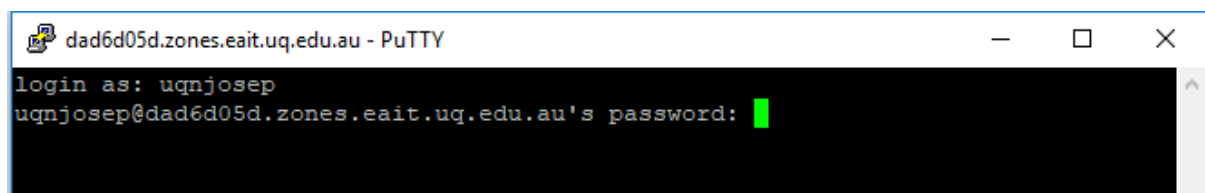
Connect to your zone (by SSH)

Windows:
Download Putty - https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html

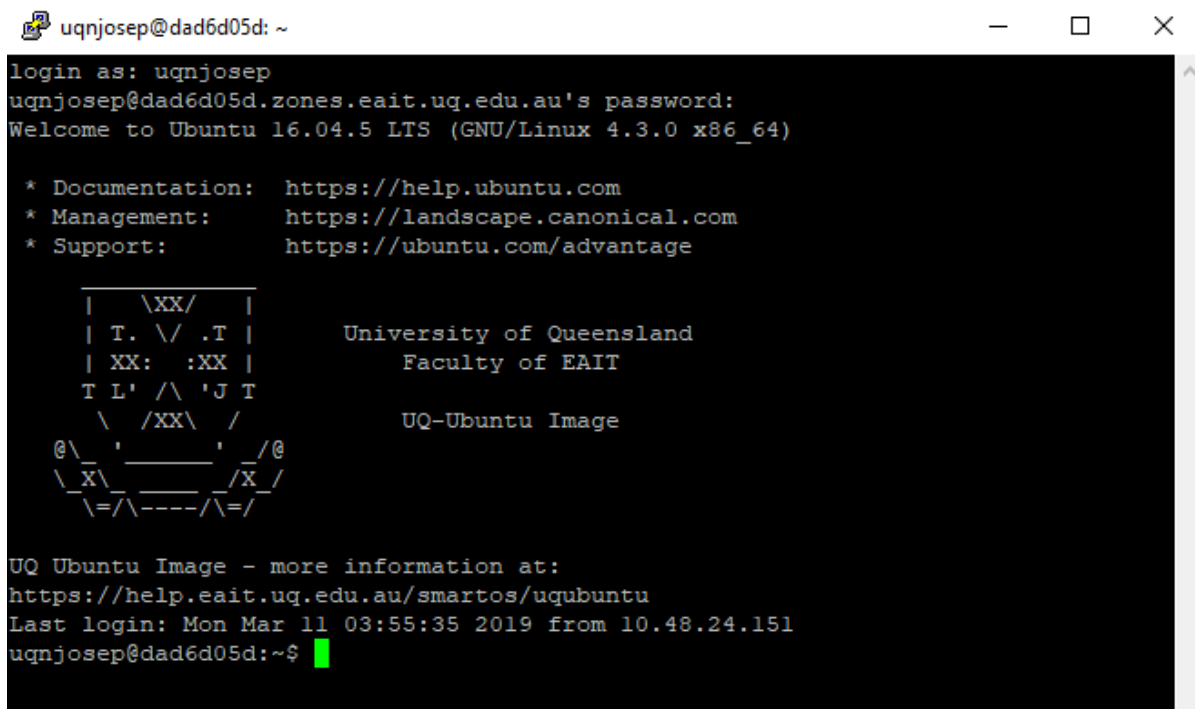Open Putty and enter your zone name in the host field then click open:

A warning may pop up asking about SSH Keys – click YES

Enter your username and password into the terminal that opens. <u>When entering your password there will not be any visible change – keep typing and hit enter at the end.</u>

You are now in your zone – go to the next step!

Mac Users:
Open terminal

Enter the command below, using your own student ID and zonename:

ssh s1234567@zonename.zones.eait.uq.edu.au

Enter your password when prompted. <u>When entering your password there will not be any visible change – keep typing and hit enter at the end.</u>

You will see a screen similar to the one above.

Setup zone

Just like we installed Flask on your computers in Guide 1 – we also need to install it on the zone

1. Run:
   sudo apt-get install python3-flask
   This will ask for a password – enter your UQ password
   When asked if you want to continue type **Y** then enter

2. Run:
   pip3 install flask

3. Run:
   pip3 install flask-wtf

Launch your code!

Navigate into the folder you created by changing directory (cd) – type:

cd INFS7901

You can see the files in the folder by typing:

ls (lower case L)