

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

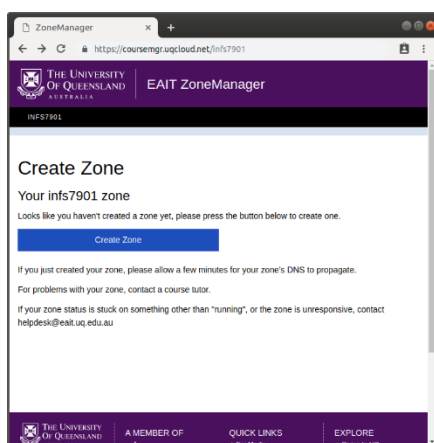
You should be able to open jupyter notebook (where you can upload your notebook files or create new notebooks), and also

If you use this URL pattern: <https://infs7901-YOURZONENAME.uqcloud.net/phpmyadmin>

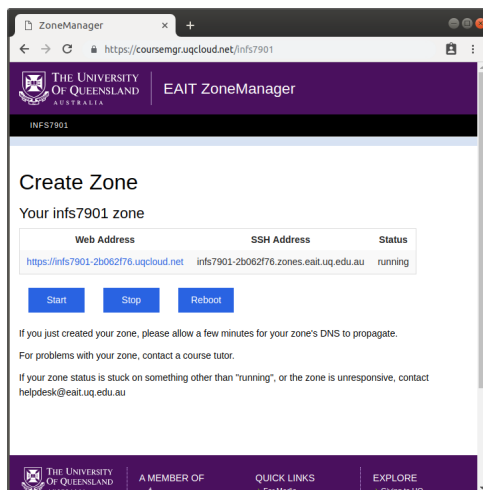
You should see (surprise) **PHPMyAdmin**

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

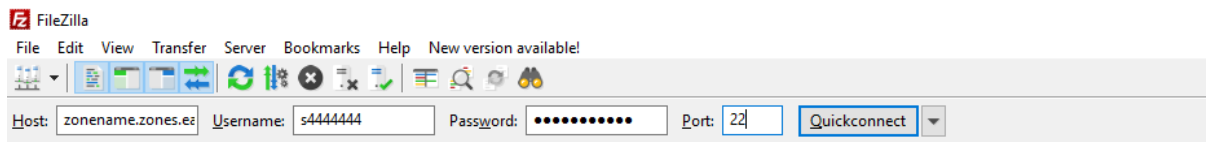
We now need to copy your local files onto your zone.

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



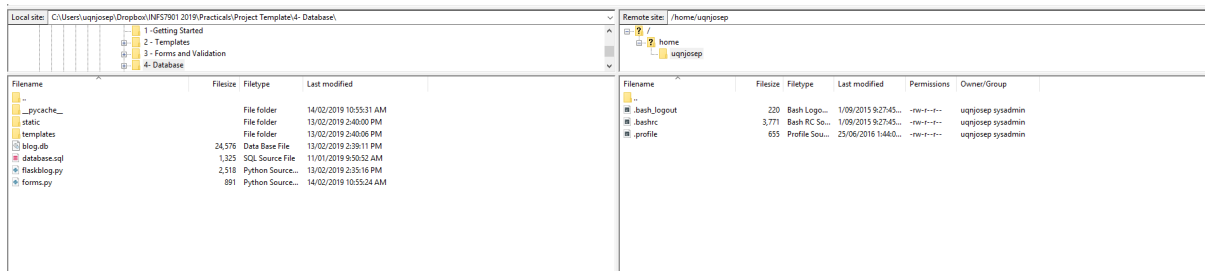
The hostname will be: **YourZonename.zones.eait.uq.edu.au**

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.

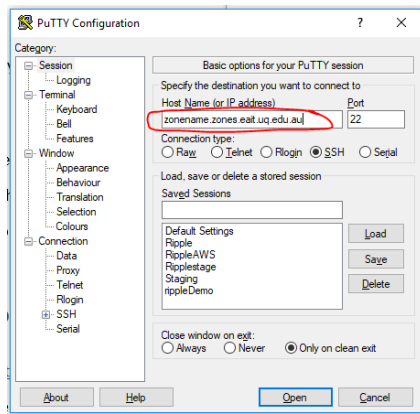
Drag ALL the files from the left hand side to the right.

Connect to your zone (by SSH)

Windows:

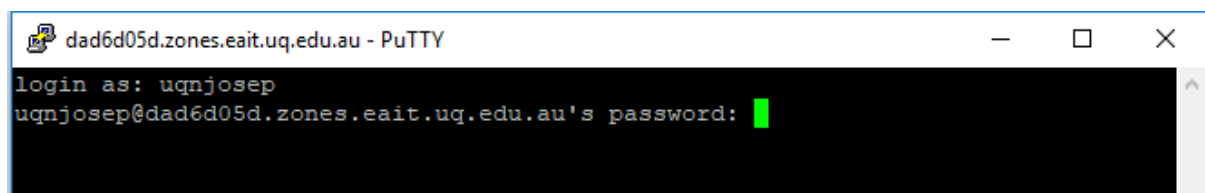
Download Putty - <https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>

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

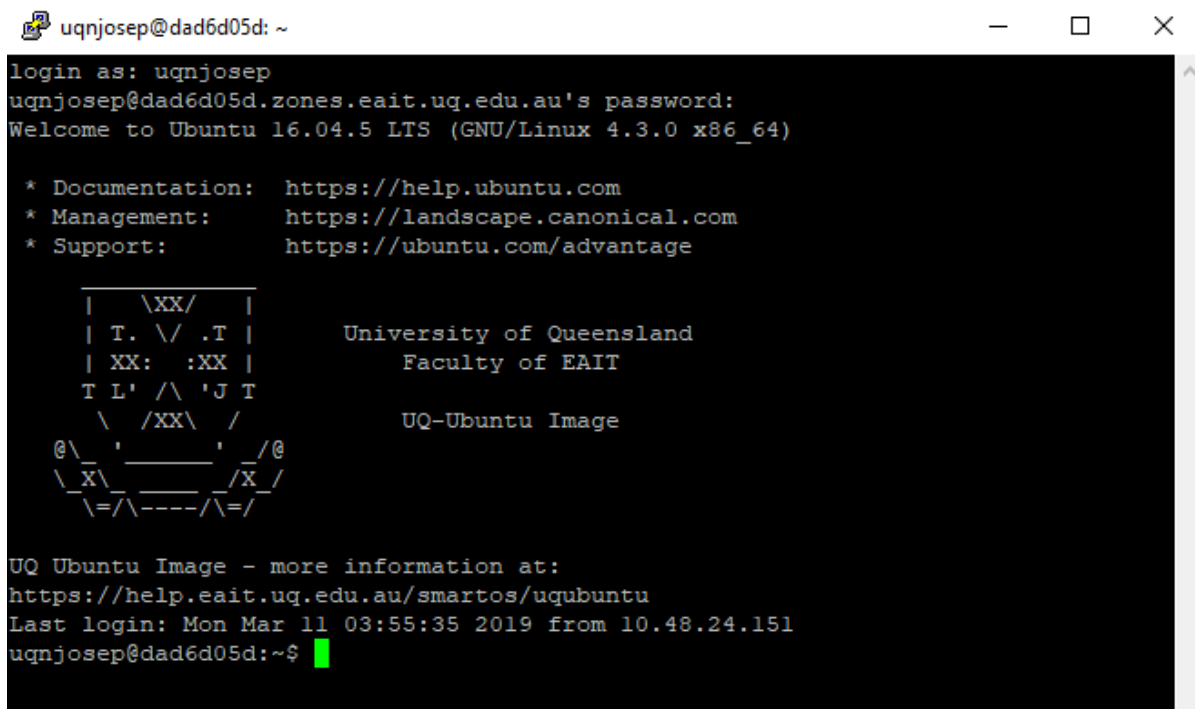


A warning may pop up asking about SSH Keys – click YES

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



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

A terminal window titled 'uqnjosep@dad6d05d: ~' with standard window controls. The terminal output shows a login prompt for 'uqnjosep' at 'uqnjosep@dad6d05d.zones.eait.uq.edu.au' with a password prompt. It then displays the Ubuntu 16.04.5 LTS (GNU/Linux 4.3.0 x86_64) welcome message, including links for documentation, management, and support. A large ASCII art banner follows, identifying the 'University of Queensland Faculty of EAIT UQ-Ubuntu Image'. Below the banner, it provides more information at 'https://help.eait.uq.edu.au/smartos/uqubuntu', shows the last login time as 'Mon Mar 11 03:55:35 2019 from 10.48.24.151', and ends with the prompt 'uqnjosep@dad6d05d:~\$' and a green cursor.

```
login as: uqnjosep
uqnjosep@dad6d05d.zones.eait.uq.edu.au's password:
Welcome to Ubuntu 16.04.5 LTS (GNU/Linux 4.3.0 x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

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      | \=/\-----/\=/

UQ Ubuntu Image - more information at:
https://help.eait.uq.edu.au/smartos/uqubuntu
Last login: Mon Mar 11 03:55:35 2019 from 10.48.24.151
uqnjosep@dad6d05d:~$
```

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. When entering your password there will not be any visible change – keep typing and hit enter at the end.

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)
```