# Create a Linux Virtual Server on Azure

Before you continue make sure you've created an account on [azure.com](azure.com). Some people are having issues with the student accounts so you should be able to make another account using your personal email. Make sure you sign up for the free account.

**See the notes on creating a public/private key pair before you continue.**

# Getting to your account dashboard

Log into your account on [azure.com](azure.com). Once you're logged in click the **Portal** link on the upper right corner *next to your name*.

# Creating the server

Once your account dashboard loads you should see a list of **Azure Services**. Hover over **Virtual machines** and a **+ Create** button should appear. Click that.

## Basics Tab

You'll choose most of the options in this tab so read carefully.

### Subscription

Click the drop down and you should see one of the following options:

- Free Trial
- Student subscription (something to this effect)
- Standard subscription (something to this effect)
  Just pick whichever you see. Regardless of your choice we will set up a server that will cost less than the credit you get on account sign up so you won't be charged for it.

### Resource Group

You'll see a drop down and a link that says **Create new**. Click the link and give the resource group a name. I

just named mine `WebDev` but you can call yours whatever you want.

## Virtual Machine Name

Give your virtual machine a name. It lists the rules for a valid name but it won't tell you what a "valid Linux OS computername" is. So, a valid Linux computername contains: letters A-Z, 0-9 and hyphens. **No underscores**

I just called mine `Web-Dev`.

## Region

Just choose a region in the US so your latency will be low.

## Availability Options

Leave this option `No infrastructure redundancy required`.

## Image

This should be `Ubuntu Server 18.04 LTS`

## Size

The default option will be a `Standard D2s v3` this VM will cost ~$73/month so **make sure you change this!**

Click the **Change size** which will open a list of VM sizes. You may need to give it a second to load. Select the `B1ms` virtual machine on the far right the price should be ~$15/month. This will be cheap enough to be covered by your credits.

## Username

Give yourself a username. You'll use this to SSH into your virtual machine.

## SSH public key

If you didn't create your public/private key pair before starting this go read the instructions for that and then come back to this.

Open your public key file in VS code (or your text editor of choice). Copy the **entire** contents of the file and then paste it into the **SSH public key** box in azure.

### Select Inbound Ports

Click the drop down and make sure the following options are selected:

- HTTP
- HTTPS
- SSH

Then click **Next : Disks >**

## Disks

There's only 1 option you need to change on this tab.

### OS disk type

Click the drop down here and select **Standard SSD**

Then click **Next : Networking >**

## Networking

**Don't click anything here**

Click **Next : Management >**

## Management

**Don't click anything here**

Click **Next : Advanced >**

## Advanced

**Don't click anything here**

Click **Next : Tags >**

## Tags

**Don't click anything here**

Click **Next : Review + Create >**

## Review + Create

You should see a **Product Details** section here. Make sure you've selected the correct VM size. It should say `Standard B1ms` and the pricing should be `0.0208 USD/hr`.

Make sure it also says "**Subscription credits apply**"

If it all checks out then click `Create`. It'll take a bit for your server to deploy.