

Devops-odd-sem-22-23

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(Assignment) PAAS setup: Setup website using AWS

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Opened: Monday, 29 August 2022, 12:00 AM

Due: Monday, 5 September 2022, 12:00 AM

Creating AWS Virtual Machine (a host on internet)

Create a Free Account using Amazon Web Services. <https://console.aws.amazon.com/console/home>

Note that nothing is really free. You will be required to give your debit/credit card information. After the period of free use is over you will be billed! So remember to deactivate your account before free use period is over.

There is no compulsion to use AWS and you can use any other cloud virtual machine provider.

Create an instance of a Ubuntu 64 bit virtual machine.

Enable SSH access to your machine. This requires creating a key pair and storing it on your machine. Best way of doing this is that you store the keypair on your pen-drive or in your google drive and download it whenever you want access. This way you prevent others from accessing it.

Launch the virtual machine. Login using ssh.

Installing and Configuring Apache2

Install (if not already installed) the apache2 web server, may be using

```
$ sudo apt install apache2
```

Write a few dummy html files in the "DocumenRoot" folder (most typically /var/www/html)

Modify the "incoming" security rule in AWS settings, to allow access to port 80 (HTTP).

Get the URL of your website given by AWS, access the website (feel happy!)

Once it is up, you take a screenshot of your browser window, showing that the website was accessible. Also take one screenshot of the AWS terminal window showing the output of the commands "ifconfig -a" and "hostname" and "sudo service apache2 status"


(For example, here was Abhijit's website: <http://ec2-18-217-162-37.us-east-2.compute.amazonaws.com/> . Access it and you could see a page saying "hi". The website is down as of now!)

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Submission status

Submission status	Submitted for grading
Grading status	Not graded
Time remaining	Assignment was submitted 1 day 11 hours late
Last modified	Tuesday, 6 September 2022, 11:43 AM

File submissions	<div> 111910127 Assignment3.zip 6 September 2022, 11:43 AM</div>
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