

# Fenwick Technical IT Engineer Task

Deploy a Microsoft Azure compute workload via PowerShell.

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## Specification

You must build a deployment function script. Your deployment script must be written in PowerShell and suitable for inclusion in a PowerShell module alongside other functions.

Please provide short commentary in the form of documentation and inline code comments where appropriate, or as a separate document.

## Deployment Requirements

Your script must deploy a **Windows Server** on Microsoft Azure with the following requirements.

- Pick an appropriate Windows Server image to support Hotpatching.
- Pick an appropriate size for a small IIS server (1-5 users, static website) with very low average CPU.
- Deploy within the Australia East region.
- Use an appropriate subnetting scheme for approximately 20 related machines.
- Make sure the machine is secure with only secure public web access.
- Create and apply an appropriate backup policy.

Please justify any choices you make in code.

## Additional Task: Execute a PowerShell script within the server after deployment


There are a few ways you could achieve this. Please execute this block of PowerShell on the server you deploy.

```
Install-WindowsFeature -name Web-Server -IncludeManagementTools
```

## Additional Question: Troubleshooting connections from legacy devices

Some legacy devices cannot connect to this new web server. Why might this be? What's the best workaround? Include your answer as a comment at the end of your script.

## Subscription & Testing

You can use a free Azure subscription ( [Create Your Azure Free Account Today | Microsoft Azure](#) ) to validate your solution.

If you have any trouble with this (or you've already used your free credit), please let us know and we can provision a space for you. You'll need to provide an email address for us to share the subscription to.

## Submission

Submit your script via a **private** git repository.

You can use a free account on GitHub or Visual Studio Online and provide access to the email [jake.edwards@fenwick.com.au](mailto:jake.edwards@fenwick.com.au).