UK VMUG UserCon - 13 December 2018

Terraform, Terrawhat, TerraARGH, TerraYAY!

https://www.virtualisedfruit.co.uk/terraform,-terrawhat,-terraargh,-terrayay!/ for full res videos

Terraform, Terrawhat, TerraARGH, TerraYAY!

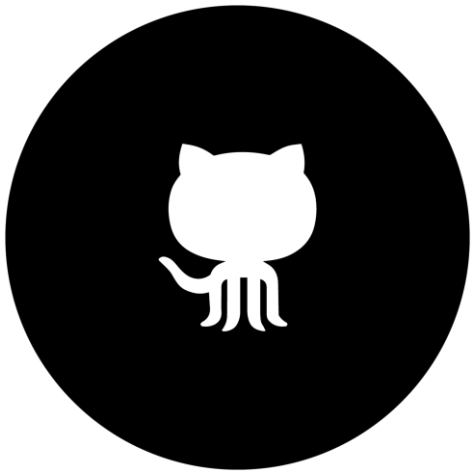
Gareth Edwards

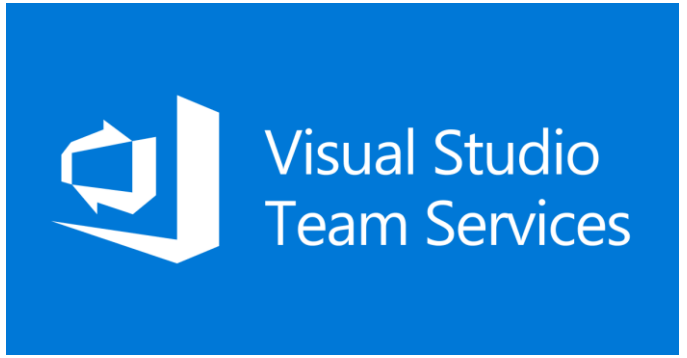
- Infrastructure Engineer
- Ecotricity
- 3 year vExpert and vExpert Pro

Before you learn the basics, you need to know the future

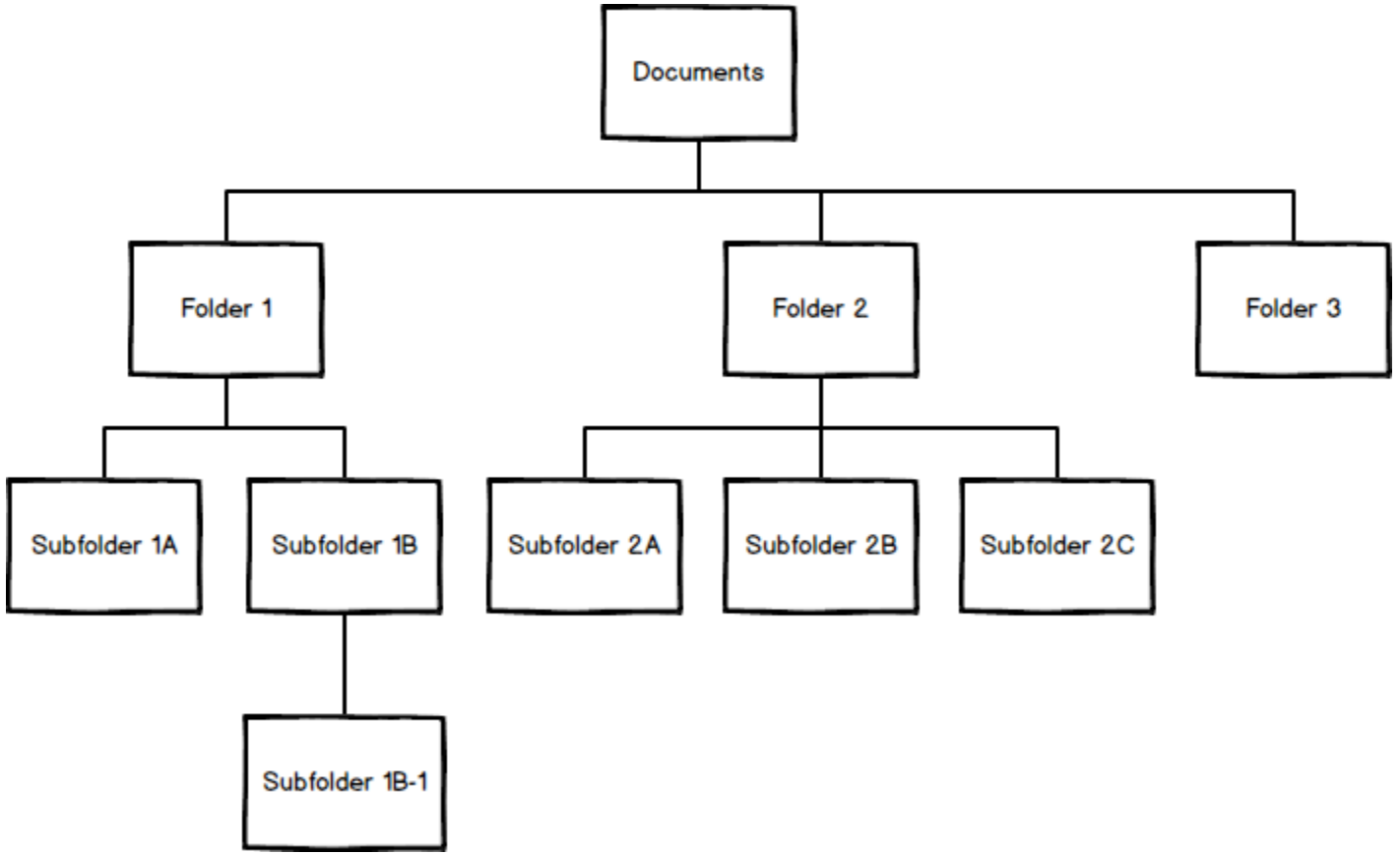
Keeping things organized

- Store your code somewhere immutable or at least change controlled
- At least use version numbers!





All about structure



Setting things straight

Definitely

Create a repeatable infrastructure across system sets

Can

Configure system basics

Wont

Perform software updates and management

Remember Security – TFVARs

Pros

Keeps accounts safe

No unexpected spend

Track Changes and who did what

Cons

Something else to learn

Remember not to commit

Harder to debug if someone includes a new variable

A PICTURE IS worth A THOUSAND WORDS

doubleplusunlucky:

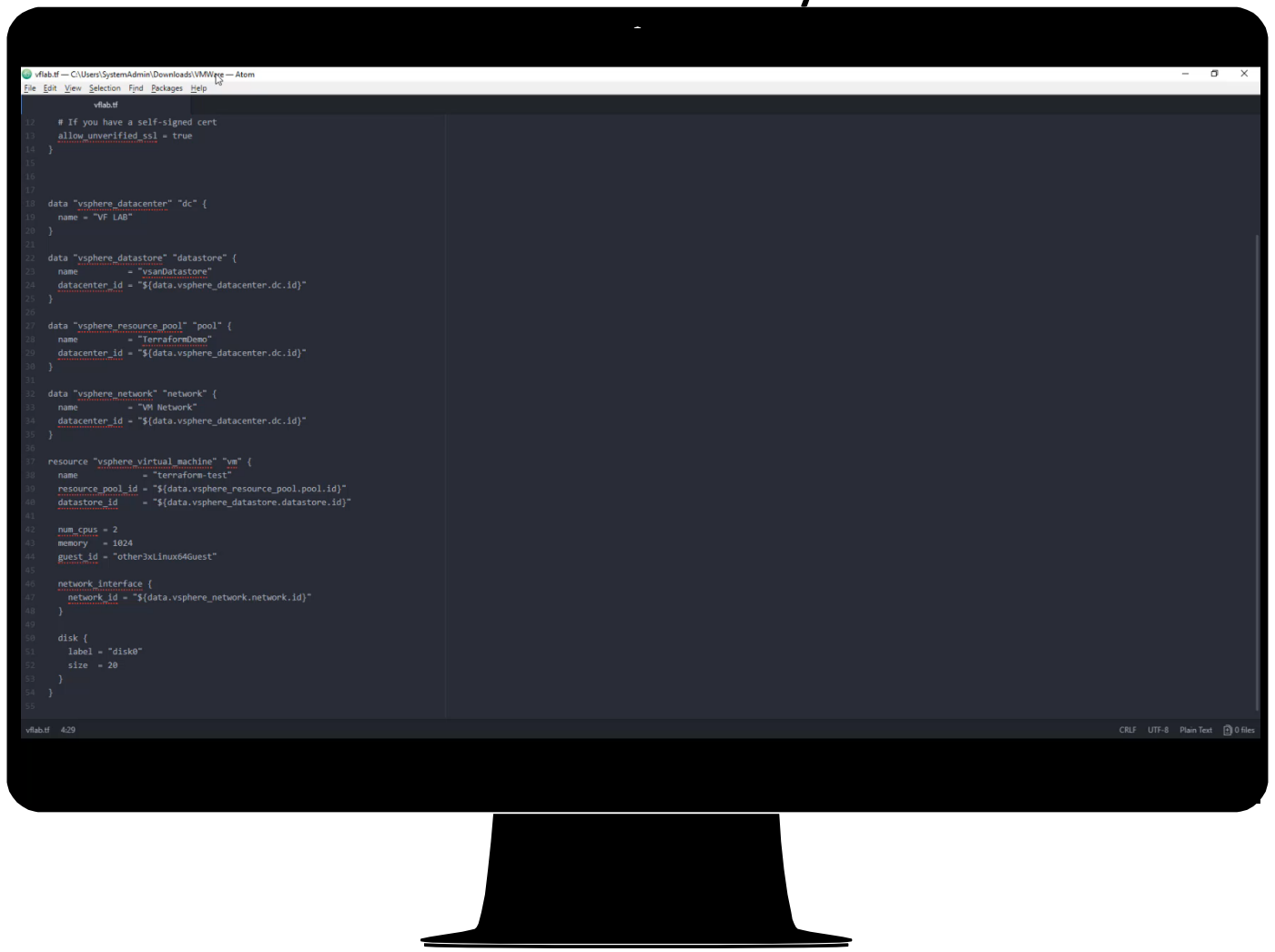
> The look of intensity on the monkey's face is what elevates this photograph to something truly magical.

181,860 notes

- You will not get it right the first time
- Things will break
- Go away and come back
- Keep things consistent

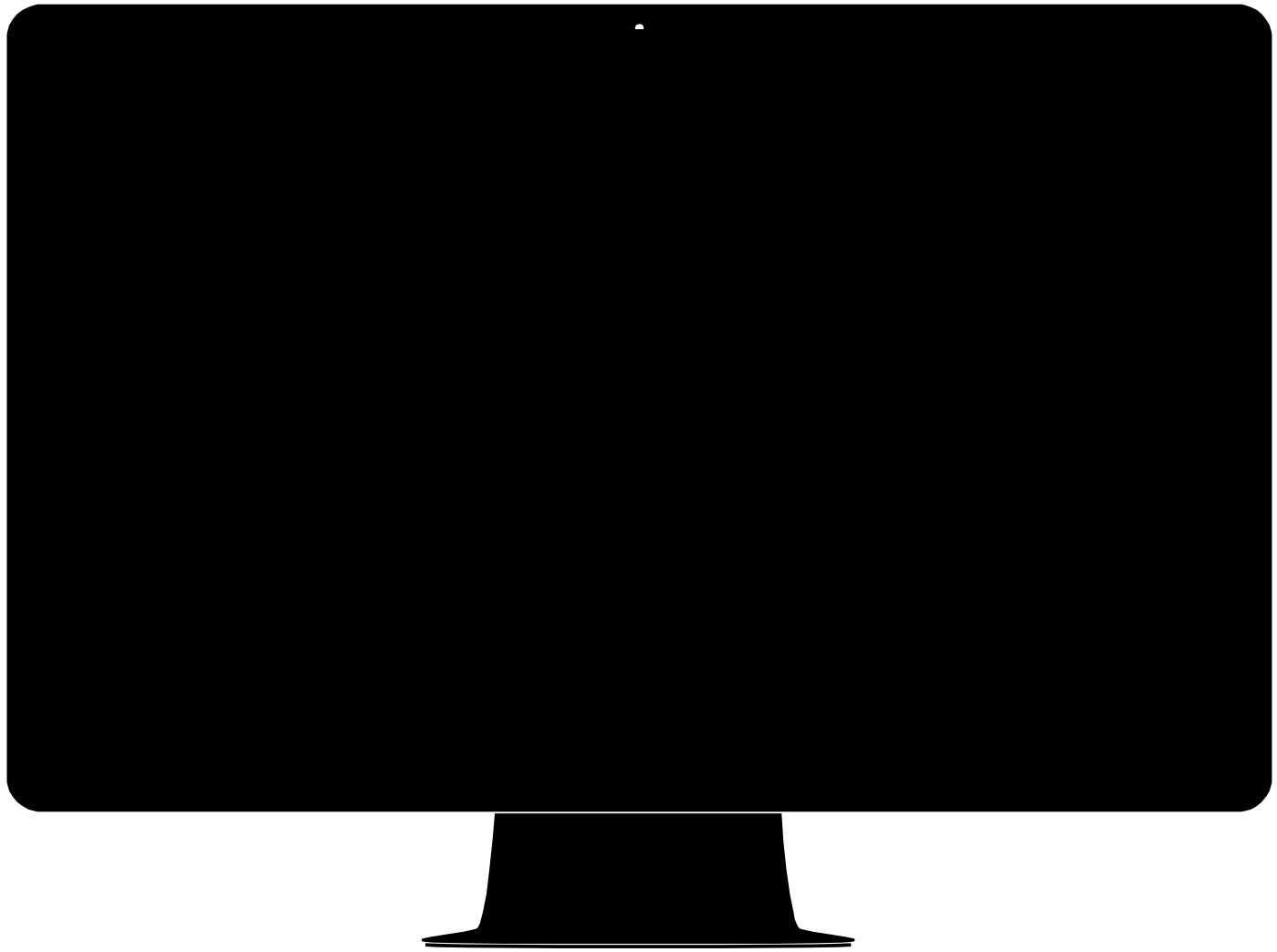
My First VM

How to get started in the most basic way



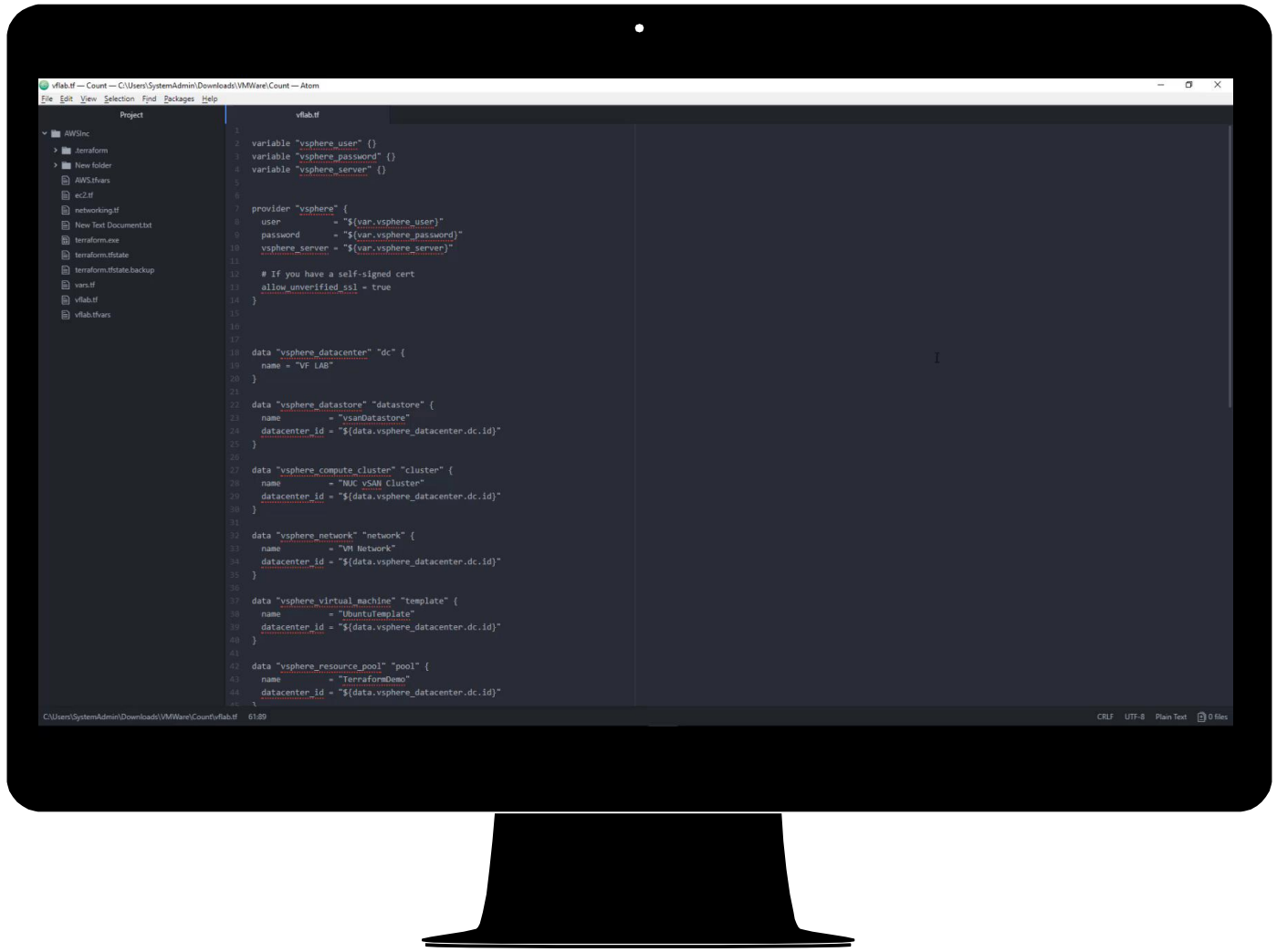
Template Time

How to get started in the most basic way



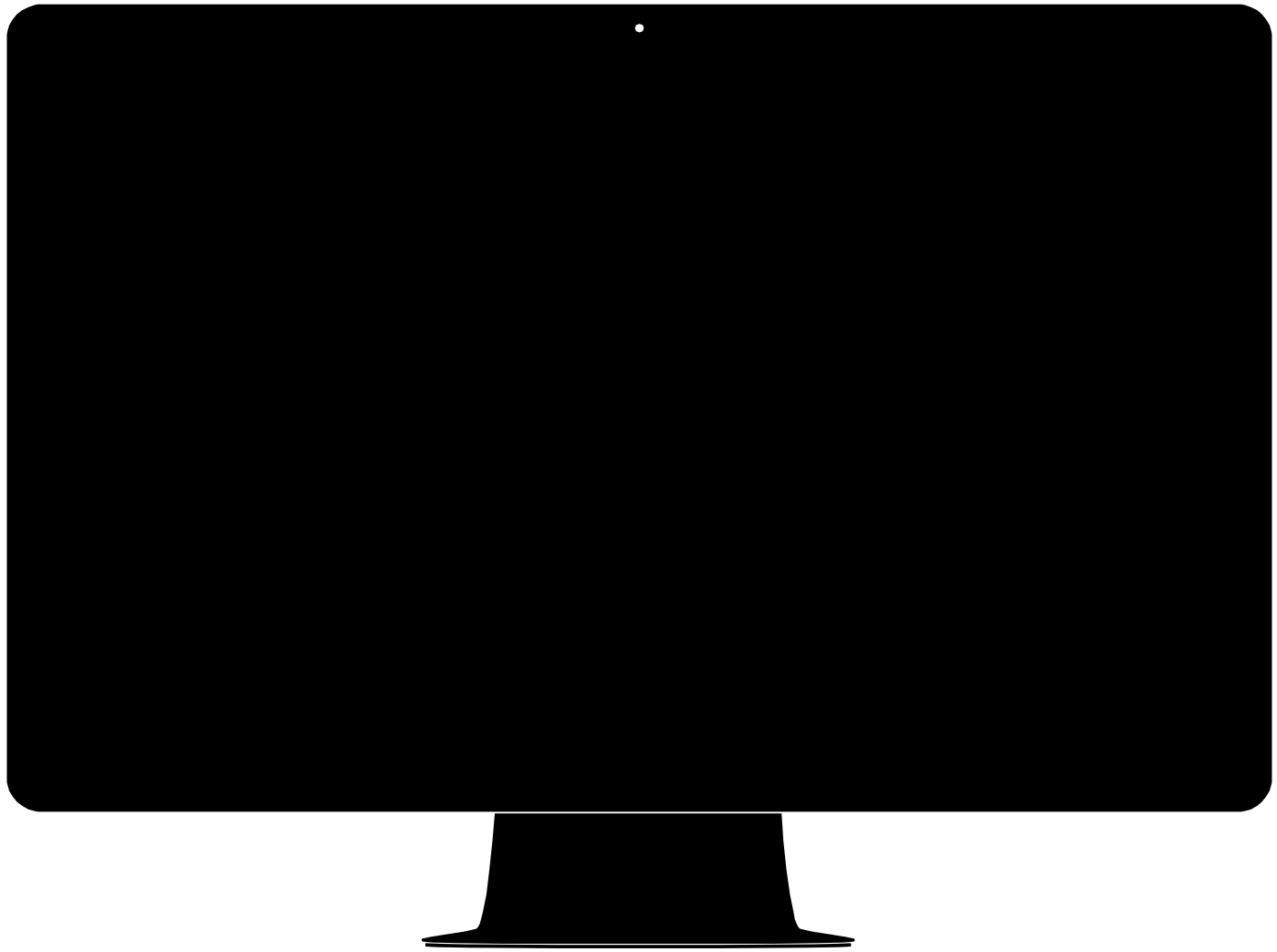
Scale Time

Lets do it how we are used to



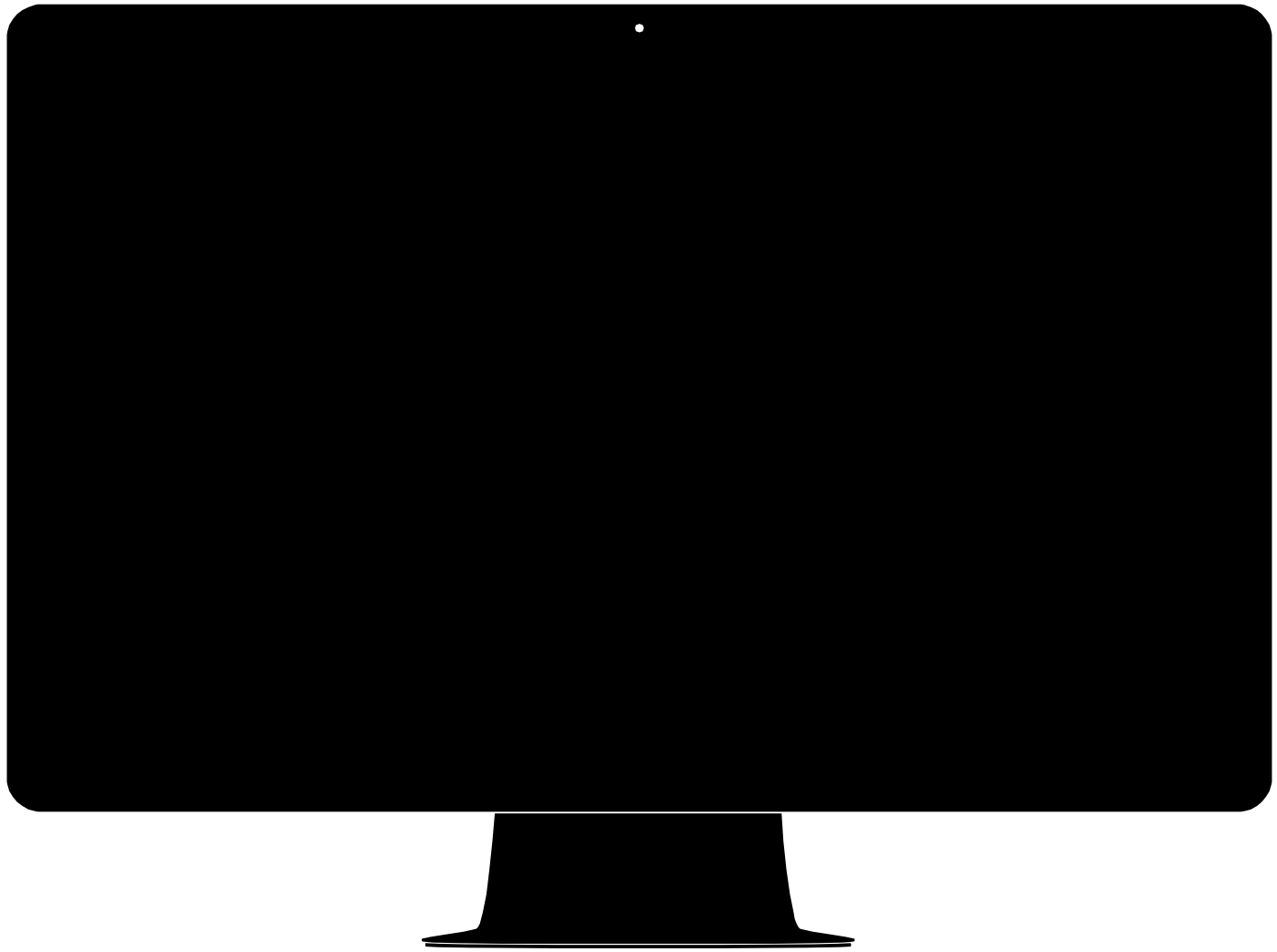
Time to get AWS Involved

Lets get cloudy



First giveth, then taketh away

Inspired by a rock song



A few key tips

Integrations

Work out any integrations with your systems or 3rd parties right away like networking for instance

Lifecycle

Plan this out, are you only doing this to recover it all if it breaks using it as scaffolding

Create Images

Using the latest images (AMI's) on Amazon is double edged. Saves patching but can cause discrepancies

User Engagement

If you are changing something engage with your users. This may even be your team. How does this affect logins or changes?

Keep Positive

This will feel up hill at first but keep going, the reward of having things replicated easy for testing is amazing!

The big kaboom

If you change some things be prepared for things to go bang… such as changing the AMI on a DC

Thanks! **ANY QUESTIONS?**

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