

Deployment

a tale by Nanther Thangarajah

We'll cover

- deployment defined
- some (choice) words and phrases
- Old and Busted ways to deploy
- New Hotness of deployment
- tools

Deployment

Image
Creation

*Imaging or
Installing OS*

Customizing



Unknown



Known



Desired

Why deploy?

- consistency
- reproducibility
- error-free (after testing, QA and \$deity\$ invocation)
- oh, and when done correctly, can save you a bunch of work!

Keep in mind....

- plan your deployments
- your circumstances and context may vary, so adapt accordingly
- be flexible. Solutions come and solutions go.

When the earth was young,
and days were dark

Data Backup vs. Data Archive

- why deployment can't work from a backup of a master, or from a collection of archived files.

Cloning isn't imaging

- you really ~~can't~~ shouldn't TDM one Mac to another to clone it's hard drive, and pretend you have successfully deployed a master.

The Golden Master Mac

- previous, but now outdated method
- creating a master system for imaging
- why it takes a day to make a great Golden Master
- if you aren't using automated tools, there's stuff you MUST remove
- why this is outdated

And then, behold, a new
dawn....

No-image deployment

- determine what packages you need
- benefit: fastest method of deployment
- benefit: doesn't require system-specific images
- benefit: ability to use Internet-restore.

No-image deployment

- installLion.pkg
 - <<http://managingosx.wordpress.com/2011/09/06/automated-installs-of-mac-os-x-lion/>>

Use the best tool(s)

- one idea: DeployStudio
- places to go to learn DeployStudio
- online resources to learn DeployStudio
- why DeployStudio is the only tool you should care about, learn, or use.
- why that's wrong and you should learn to use OS X Server way.

Apple's documentation

- http://images.apple.com/education/docs/1521219b_osx_deployment_guide_030513.pdf
- <http://www.apple.com/education/resources/videos/#preparing-osx-image>
- <http://www.apple.com/education/resources/videos/#deploying-osx-image>

Other third-party tools

- InstaDMG
- Munki
- Puppet
- Casper tools (and others built on top of it like RobotCloud)
- Absolute Software
- Thin Imaging

Using Apple's tools

- what the heck is OS X Server?
- server.app, NetInstall
- using Disk Utility in a pinch, what do you need to do to make it work?

ASR at the command line

- Doesn't work if network isn't set up for multicasting
- Proton Pack
- diskutil
- hdiutil
- asr

Further reading

- <http://www.afp548.com/2013/05/21/deployment-a-pedagogical-manifesto/>
- OS X Deployment Dev list
 - <https://lists.apple.com/mailman/options/installer-dev>
(basically anything on lists.apple.com)
- OS X Enterprise list (for the brave and