

Introduction to Munki

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SAINT JOSEPH'S
UNIVERSITY

Mike Solin

Applications Integrator

What this talk is *not*

- Casper vs. Munki
- In-depth dive into Munki
 - <http://macadmins.psu.edu/conference/resources/>

What is Munki?

Munki is a software deployment system, written primarily by Greg Neagle.

Supports pkgs, scripts, .apps, and configuration profiles.

Can also be used in conjunction with a local Software Update Server to deploy OS X updates.

<https://github.com/munki/munki>



How does Munki work?

Everything interesting happens client-side.

The server can be any type of web server: Apache, NGINX, even IIS. Munki requires no special resources on the server beyond hosting a website.



How does Munki work?

On your client Macs, a background process checks your server every 1-2 hours for applicable updates.

Background updates happen instantly. The user is prompted to install updates otherwise.



How do I admin this?

Munki is entirely command-line based:

makecatalogs
makepkginfo
managedsoftwareupdate
manifestutil
munkiimport



No really, how do I
admin this?

Often times, the command-line is the best way to accomplish something! However, Hannes Juutilainen wrote a GUI called MunkiAdmin that's fantastic.

<https://github.com/hjuutilainen/munkiadmin>



MunkiAdmin demo

Explain catalogs and manifests here

What else?

- Munki is open source.
- Support is provided by the community:
 - <https://github.com/munki/munki/wiki>
 - <https://groups.google.com/forum/#!forum/munki-dev>
 - <https://groups.google.com/forum/#!forum/munki-discuss>
- Munki supports SSL and client authentication.
- Munki can deploy nearly everything - including Adobe's installer packages. Some require more work than others.

Munki Reporting

- MunkiReport-PHP
 - <https://github.com/munkireport/munkireport-php>
- Sal
 - <https://github.com/salopensource/sal>
- MunkiWebAdmin
 - <https://github.com/munki/munkiwebadmin>
- Mandrill
 - <https://github.com/wollardj/Mandrill>

Example implementation: SJU