HELP!
My Dean Just Bought a Mac
HELP! My Dean Just Bought a Mac

Dean Allen Renear (GSLIS)
Step 1: Don’t Panic

EVERYTHING IS AWESOME
EVERYTHING IS COOL
EVERYTHING IS AWESOME
WHEN WE’RE LIVING OUR DREAM
HELP! The Dean needs:

😊 Default software & configuration

😊 Some additional software (which we don’t know about yet)

😊 Everything kept up-to-date wherever he is in the world
Your Dean, Livin’ the Dream

- **Standard software** – AWESOME it’s just there!
  - Office, Firefox, Chrome, Flash, etc.

- **Common University software** – AWESOME!
  - Two-clicks & Self-Serve!
  - Adobe CC, Skype, Box Sync, etc.

- **Departmental software** – AWESOME! Two-clicks & Self-Serve!
  - oXygen XML, Lego Mindstorms, meshmixiner, QLab, departmental printers, etc...

- All kept up-to-date – anywhere in the world
Munki does this!
What is **Munki**?

- Backend: “just a webserver”
- Client: Python/GUI
- Open-source and **FREE**!
- Well supported
- Used by major institutions:
  - Google: ~30,000 macs
  - Facebook: ~1,000 macs.. So far...
  - Walt Disney Animation Studios: Like 10,000 macs
  - Illinois
  - Michigan
  - & lots of K-12 & Universities world-wide
But, back to the Dean
Anyone familiar with App Store...
Is comfortable with Munki’s “App Store”...
Apple’s Updates...

OSX El Capitan

A refined experience and improved performance for your Mac.

1 Update Available

Microsoft Remote Desktop
Microsoft Corporation
Version 8.5.29
Released Oct 27, 2015

We fixed an issue that caused applications to crash when you use Remote Resources or Azure RemoteApp.

Updates Installed in the Last 30 Days

Duplicate Cleaner for iPhoto
Systweak Software
Version 1.12.6
Installed Nov 4, 2015

Bug fixes and few improvements.

iMovie
Apple
Version 10.1
Installed Oct 24, 2015

- Create and share movies at stunning 4K resolution (3840 x 2160) on compatible Mac computers (1)
- Create and share movies with 1080p HD video at 60 frames per second for smoother, more true-to-life action
- Import movies and trailers from iMovie for iOS (version 2.2 and later), so you can start editing on an iOS device and finish on your Mac... More
Updates via Munki...
The Dean and everyone else gets:

- The software they want, when they need it
- OS & Software kept up-to-date, *even if it was not installed by Munki*
- Their schedules are respected:
  - choose when installs happen
  - force install by date advertised
- Anywhere in the world
But what’s the catch?

_endpoint management is time-consuming:

- Setting up the Server
- Importing and keeping packages up-to-date
No catch, just free lunch

😊 Munki is easier than native installs

😊 WE use it on our own IT Pro Macs

But HOW?
No catch, just free lunch

🎉 Automation shifts effort:
- FROM packaging software
- TO quality of service

🎉 Munki ECOSYSTEM keeps the repo up-to-date
What is the Munki ecosystem?

- MunkiAdmin GUI
- Jenkins
- DeployStudio
- AutoPkg
- MunkiReports
Wow! That’s AWESOME...

🤔 But I only have 3 macs...
Multi-Tenant Munki Installation

- Core software is there for everyone
- Centrally maintained:
  - Avoid duplication
  - Uniform customer experience
What do I need to do?

- Register Your Mac’s MAC
- Install munki

go to lunch, discuss lusers v. colleagues v. people... put together presentation for ITPF...
And Then???????

- Set it and forget it

-- OR --

- Become a Munki master builder
Multi-Tenant Munki Installation

Hierarchy of Repositories:

- University System
  - UIUC
  - GSLIS
  - SWAN
  - UIC...
  - UA...
Multi-Tenant Munki Installation

- A few simple Apache tricks
- Client Certificate determines membership
- WebDAV access to your repository
Want a happy Dean?
Questions?

Want more info?

[Link to University of Illinois website for more information]