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G R E G N E A G L E
W A L T D I S N E Y A N I M A T I O N S T U D I O S

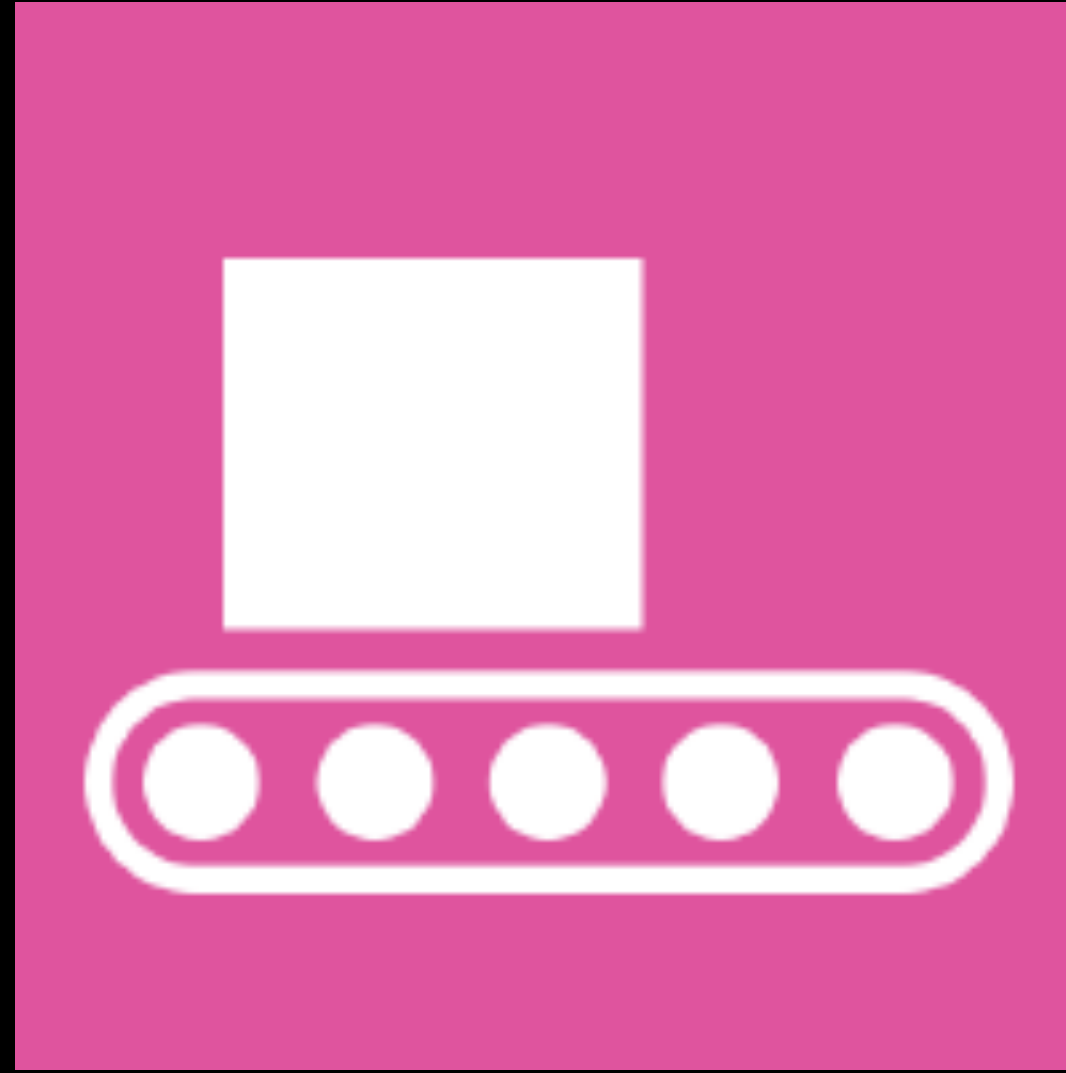
Greg Neagle

Walt Disney Animation Studios

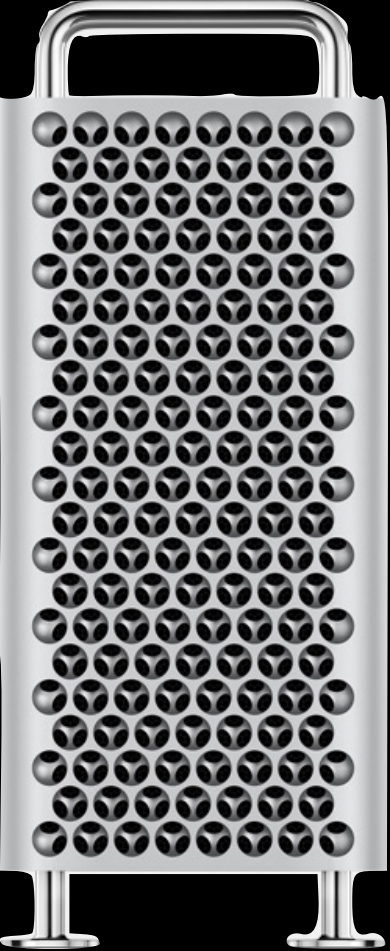
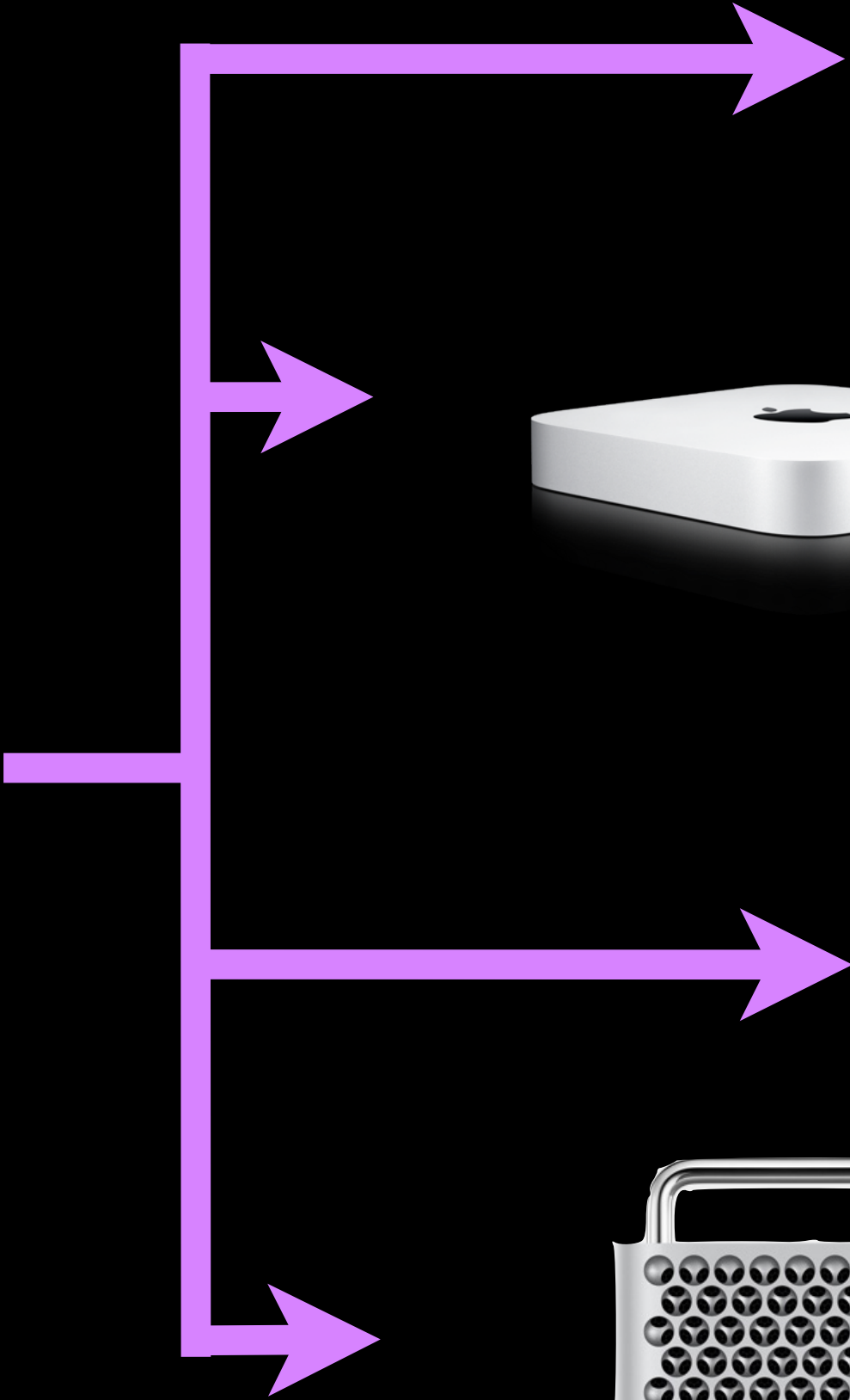
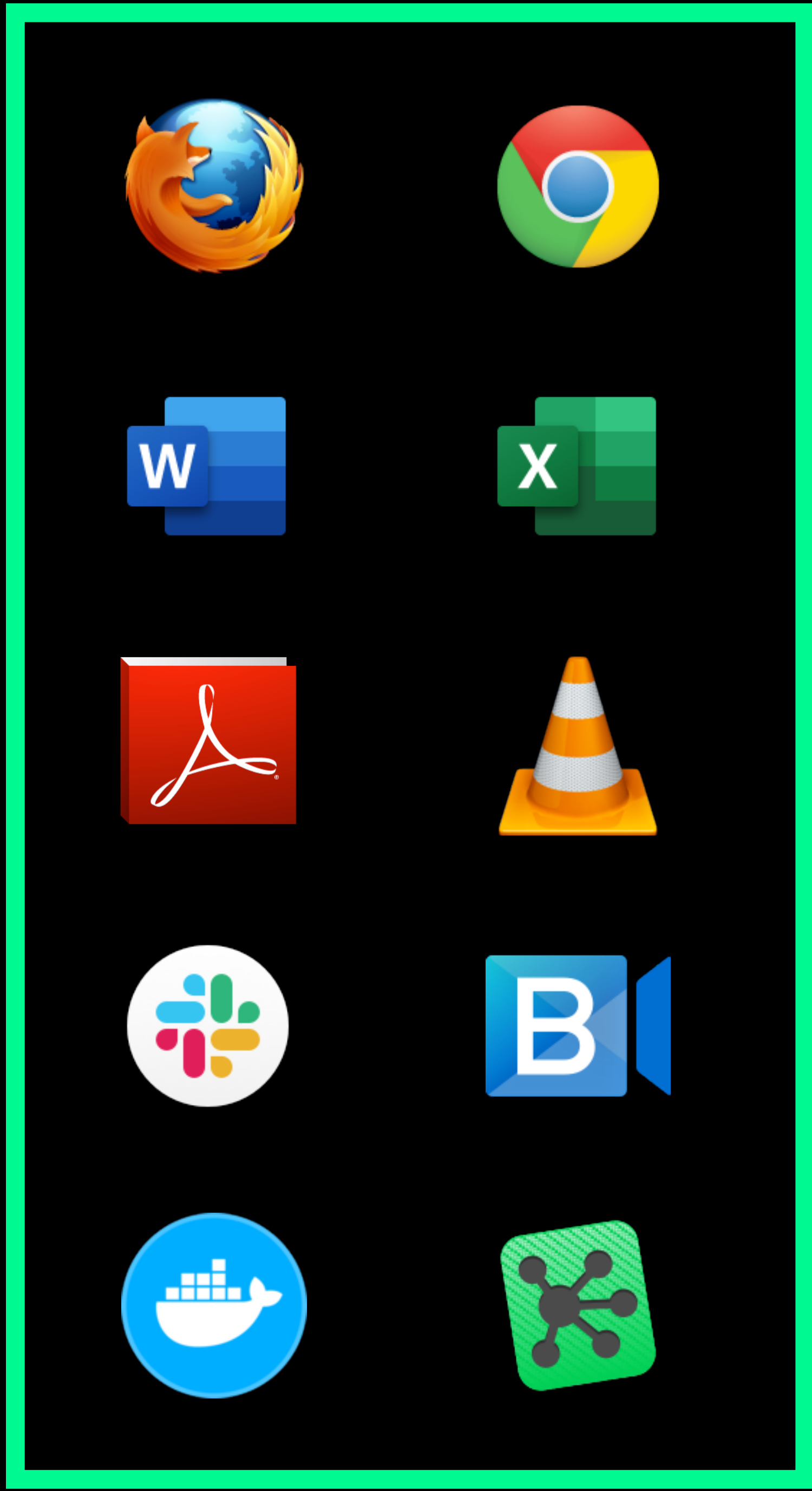




[https://managingosx.wordpress.com/
2019/10/02/autopkg-2020-
macsysadmin-2019-links/](https://managingosx.wordpress.com/2019/10/02/autopkg-2020-macsysadmin-2019-links/)



What is AutoPkg, again?



Repetitive tasks

- Finding new updates
- Downloading updates
- Transforming downloads into pkgs or dmgs
- Importing pkgs or dmgs into management system

Documentation as code

Dear Team:

While I'm out on stress leave,
here's how to keep Google Chrome updated with Munki.

1. Download the current Google Chrome from:
`https://dl.google.com/chrome/mac/stable/GGR0/googlechrome.dmg`
2. Run `munkiimport` to import it into the testing catalog, storing in the “apps” subdirectory.
`munkiimport ~/Downloads/googlechrome.dmg --catalog testing \`
`--subdirectory apps`

Documentation as code

GoogleChrome Munki Recipe:

Description:

Downloads the latest Google Chrome disk image and imports into Munki.

Process:

1. URLDownloader

url: <https://dl.google.com/chrome/mac/stable/GGR0/googlechrome.dmg>

2. MunkiImporter

pkg_path: item_downloaded_in_step_1

repo_subdirectory: apps

pkginfo: catalog: testing

Documentation as code

Dear Team:

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here's how to keep Google Chrome updated with Munki.

1. Download the current Google Chrome from:
`https://dl.google.com/chrome/mac/stable/GGR0/googlechrome.dmg`
2. Run `munkiimport` to import it into the testing catalog, storing in the “apps” subdirectory.
`munkiimport ~/Downloads/googlechrome.dmg --catalog testing \`
`--subdirectory apps`

Documentation as code

Dear Team:

While I'm out on stress leave,
here's how to keep Google Chrome updated with Munki.

```
autopkg run GoogleChrome.munki
```

Documentation as code

Dear Team:

While I'm out on stress leave,
here's how to keep Google Chrome updated with Munki.

```
autopkg run GoogleChrome.munki
```

Nevermind: there's a scheduled task that runs daily that does the
above. It's automatic.

Getting Autopkg

AutoPkg

Automating tedious tasks since 2010!

 [View On GitHub](#)

AutoPkg

AutoPkg is a system for automatically preparing software for distribution to managed clients. Recipes allow you to specify a series of simple actions which combined together can perform complex tasks, similar to Automator workflows or Unix pipes.

See [the wiki](#) for more information and full documentation.

Discussion of the use and development of AutoPkg is [here](#).

Installation

Download and install the [latest installer package](#).

This will also set up a packaging server and a launchd job so regular users can create packages.

Configuration

Set the `MUNKI_REPO` preference to use recipes that can import to a Munki repository.

```
defaults write com.github.autopkg MUNKI_REPO /path/to/your/munki/repo
```

Usage

These are just a few examples. See [the wiki](#) for more usage info.

Run a recipe:

60e55bd

 nmcspadden released this 8 days ago · [1 commit](#) to master since this release

FIXES:

- ADDITIONS:

- ### IMPROVEMENTS:

Getting Started

Edit

New Page

Anthony Reimer edited this page on Mar 19, 2018 · 28 revisions

A brief "getting started" tutorial

Some parts of this short tutorial assume you have a working Munki repo configured that you can mount from your admin machine. Munki isn't strictly required to use AutoPkg - for example, it can simply build packages. If you aren't using Munki, there are additional processors you can add on to work with Jamf Pro, LANrev, Filewave, SCCM, BigFix, and more. But Munki is free and open source, so we'll use it for this demonstration.

Installation and configuration

AutoPkg is distributed as an installer package, and it's recommended to also install Git for the purpose of installing and updating community recipes. AutoPkg requires 10.6 or later.

Install AutoPkg

Install the [latest pkg release](#). This will also install and load a LaunchDaemon used by AutoPkg's packaging component. This allows AutoPkg to build packages without requiring root privileges.

Install Git

Git is used by AutoPkg to add new community recipe repos, and to keep them up to date. One way to install Git is to install the Xcode Command Line tools. On Mavericks or higher, you can prompt the system to install them simply by typing the `git` command, or `xcode-select --install`. If you have installed Xcode, you already have Git. Git is also available via the [official Git installer package](#).

Optional: configure for use with Munki

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autopkg runs recipes.

Recipes can:

- Find the latest version of a software item
- Download pkgs/dmgs/zips/installers
- Package (or repackaging) downloads
- Import pkgs/dmgs into Munki/Jamf/etc
- Install software

autopkg run Slack.munki


```
autopkg run Slack.pkg
```

Getting Recipes

```
$ autopkg search Slack
```

Name	Repo	Path
----	----	----
Franz.munki.recipe	andrewvalentine-recipes	Franz/Franz.munki.recipe
Sblack.pkg.recipe	homebysix-recipes	Sblack/Sblack.pkg.recipe
Sblack.download.recipe	homebysix-recipes	Sblack/Sblack.download.recipe
Sblack.munki.recipe	homebysix-recipes	Sblack/Sblack.munki.recipe
Rocket.jss.recipe	jaharmi-recipes	MatthewPalmer/Rocket.jss.recipe
Rocket.munki.recipe	jaharmi-recipes	MatthewPalmer/Rocket.munki.recipe
Slack.jss.recipe	jss-recipes	Slack/Slack.jss.recipe
Slack.munki.recipe	killahquam-recipes	Slack/Slack.munki.recipe
Slack.jss.recipe	killahquam-recipes	Slack/Slack.jss.recipe
Slack.pkg.recipe	killahquam-recipes	Slack/Slack.pkg.recipe
Slack.download.recipe	killahquam-recipes	Slack/Slack.download.recipe
Slack.install.recipe	killahquam-recipes	Slack/Slack.install.recipe
Slack.filewave.recipe	peshay-recipes	Slack/Slack.filewave.recipe
Slack.LANrev.recipe	seansgm-recipes	LANrevRecipes/Slack.LANrev.recipe
ZulipElectron.munki.recipe	ygini-recipes	Zulip/ZulipElectron.munki.recipe
Mattermost.munki.recipe	ygini-recipes	Mattermost/Mattermost.munki.recipe

To add a new recipe repo, use 'autopkg repo-add <repo name>'


```
$ autopkg search Slack
```

Name ----	Repo ----	Path ----
Franz.munki.recipe	andrewvalentine-recipes	Franz/Franz.munki.recipe
Sblack.pkg.recipe	homebysix-recipes	Sblack/Sblack.pkg.recipe
Sblack.download.recipe	homebysix-recipes	Sblack/Sblack.download.recipe
Sblack.munki.recipe	homebysix-recipes	Sblack/Sblack.munki.recipe
Rocket.jss.recipe	jaharmi-recipes	MatthewPalmer/Rocket.jss.recipe
Rocket.munki.recipe	jaharmi-recipes	MatthewPalmer/Rocket.munki.recipe
Slack.jss.recipe	iss-recipes	Slack/Slack.jss.recipe
Slack.munki.recipe	killahquam-recipes	Slack/Slack.munki.recipe
Slack.jss.recipe	killahquam-recipes	Slack/Slack.jss.recipe
Slack.pkg.recipe	killahquam-recipes	Slack/Slack.pkg.recipe
Slack.download.recipe	killahquam-recipes	Slack/Slack.download.recipe
Slack.install.recipe	killahquam-recipes	Slack/Slack.install.recipe
Slack.filewave.recipe	pesnay-recipes	Slack/Slack.filewave.recipe
Slack.LANrev.recipe	seansgm-recipes	LANrevRecipes/Slack.LANrev.recipe
ZulipElectron.munki.recipe	ygini-recipes	Zulip/ZulipElectron.munki.recipe
Mattermost.munki.recipe	ygini-recipes	Mattermost/Mattermost.munki.recipe

To add a new recipe repo, use 'autopkg repo-add <repo name>'

```
$ autopkg repo-add killahquam-recipes
```

```
Attempting git clone...
```

```
Adding /Users/gneagle/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes to RECIPE_SEARCH_DIRS...
```

```
Updated search path:
```

```
'.'  
'~'/Library/AutoPkg/Recipes'  
'/Library/AutoPkg/Recipes'  
'/Users/gneagle/Library/AutoPkg/RecipeRepos/com.github.autopkg.gregneagle-recipes'  
'/Users/gneagle/Library/AutoPkg/RecipeRepos/com.github.autopkg.recipes'  
<snip>  
'/Users/gneagle/Library/AutoPkg/RecipeRepos/com.github.autopkg.timsutton-recipes'  
'/Users/gneagle/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes'
```



```
$ autopkg info Slack.pkg
```

```
Description:      Downloads the latest version of Slack and makes a pkg of it
Identifier:       com.github.killahquam.pkg.slack
Munki import recipe: False
Has check phase:  True
Builds package:   True
Recipe file path: /Users/gneagle/Library/AutoPkg/RecipeRepos/
com.github.autopkg.killahquam-recipes/Slack/Slack.pkg.recipe
Parent recipe(s): /Users/gneagle/Library/AutoPkg/RecipeRepos/
com.github.autopkg.killahquam-recipes/Slack/Slack.download.recipe
Input values:
```

```
"DISABLE_CODE_SIGNATURE_VERIFICATION" = 0;
"DOWNLOAD_URL" = "https://slack.com/ssb/download-osx";
NAME = Slack;
"PKG_ID" = "com.tinyspeck.slackmacgap";
```

```
$ autopkg info Slack.pkg
```

```
Description: Downloads the latest version of Slack and makes a pkg of it
```

```
Identifier: com.github.killanquam.pkg.slack
```

```
Munki import recipe: False
```

```
Has check phase: True
```

```
Builds package: True
```

```
Recipe file path: /Users/gneagle/Library/AutoPkg/RecipeRepos/  
com.github.autopkg.killanquam-recipes/Slack/Slack.pkg.recipe
```

```
Parent recipe(s): /Users/gneagle/Library/AutoPkg/RecipeRepos/  
com.github.autopkg.killanquam-recipes/Slack/Slack.download.recipe
```

```
Input values:
```

```
"DISABLE_CODE_SIGNATURE_VERIFICATION" = 0;
```

```
"DOWNLOAD_URL" = "https://slack.com/ssb/download-osx";
```

```
NAME = Slack;
```

```
"PKG_ID" = "com.tinyspeck.slackmacgap";
```

```
$ autopkg info Slack.pkg
```

```
Description:      Downloads the latest version of Slack and makes a pkg of it
Identifier:       com.github.killahquam.pkg.slack
Munki import recipe: False
Has check phase:  True
Builds package:   True
Recipe file path: /Users/gneagle/Library/AutoPkg/RecipeRepos/
com.github.autopkg.killahquam-recipes/Slack/Slack.pkg.recipe
Parent recipe(s): /Users/gneagle/Library/AutoPkg/RecipeRepos/
com.github.autopkg.killahquam-recipes/Slack/Slack.download.recipe
Input values:
```

```
"DISABLE_CODE_SIGNATURE_VERIFICATION" = 0;
"DOWNLOAD_URL" = "https://slack.com/ssb/download-osx";
NAME = Slack;
"PKG_ID" = "com.tinyspeck.slackmacgap";
```



```
$ autopkg info Slack.pkg
```

```
Description:      Downloads the latest version of Slack and makes a pkg of it
Identifier:       com.github.killahquam.pkg.slack
Munki import recipe: False
Has check phase:  True
Builds package:   True
Recipe file path: /Users/gneagle/Library/AutoPkg/RecipeRepos/
com.github.autopkg.killahquam-recipes/Slack/Slack.pkg-recipe
Parent recipe(s): /Users/gneagle/Library/AutoPkg/RecipeRepos/
com.github.autopkg.killahquam-recipes/Slack/Slack.download.recipe
Input values:
```

```
"DISABLE_CODE_SIGNATURE_VERIFICATION" = 0;
"DOWNLOAD_URL" = "https://slack.com/ssb/download-osx";
NAME = Slack;
"PKG_ID" = "com.tinyspeck.slackmacgap";
```

```
$ autopkg run Slack.pkg
```

```
Processing Slack.pkg...
```

```
WARNING: Slack.pkg is missing trust info and FAIL_RECIPES_WITHOUT_TRUST_INFO is  
not set. Proceeding...
```

```
The following packages were built:
```

Identifier	Version	Pkg Path
-----	-----	-----
com.tinyspeck.slackmacgap	4.0.3	/Users/gneagle/Library/AutoPkg/Cache/ com.github.killahquam.pkg.slack/ Slack-4.0.3.pkg

```
The following new items were downloaded:
```

Download Path

/Users/gneagle/Library/AutoPkg/Cache/com.github.killahquam.pkg.slack/ downloads/Slack.dmg


```
$ autopkg run Slack.pkg
```

```
Processing Slack.pkg...
```

```
WARNING: Slack.pkg is missing trust info and FAIL_RECIPES_WITHOUT_TRUST_INFO is not set. Proceeding...
```

```
The following packages were built:
```

Identifier	Version	Pkg Path
-----	-----	-----
com.tinyspeck.slackmacgap	4.0.3	/Users/gneagle/Library/AutoPkg/Cache/ com.github.killahquam.pkg.slack/ Slack-4.0.3.pkg

```
The following new items were downloaded:
```

Download Path

/Users/gneagle/Library/AutoPkg/Cache/com.github.killahquam.pkg.slack/ downloads/Slack.dmg

```
$ autopkg run Slack.pkg
```

```
Processing Slack.pkg...
```

```
WARNING: Slack.pkg is missing trust info and FAIL_RECIPES_WITHOUT_TRUST_INFO is  
not set. Proceeding...
```

```
The following packages were built:
```

Identifier	Version	Pkg Path
-----	-----	-----
com.tinyspeck.slackmacgap	4.0.3	/Users/gneagle/Library/AutoPkg/Cache/ com.github.killahquam.pkg.slack/ Slack-4.0.3.pkg

```
The following new items were downloaded:
```

Download Path

/Users/gneagle/Library/AutoPkg/Cache/com.github.killahquam.pkg.slack/ downloads/Slack.dmg

```
$ autopkg run Slack.pkg
```

```
Processing Slack.pkg...
```

```
WARNING: Slack.pkg is missing trust info and FAIL_RECIPES_WITHOUT_TRUST_INFO is  
not set. Proceeding...
```

```
The following packages were built:
```

Identifier	Version	Pkg Path
-----	-----	-----
com.tinyspeck.slackmacgap	4.0.3	/Users/gneagle/Library/AutoPkg/Cache/ com.github.killahquam.pkg.slack/ Slack-4.0.3.pkg

```
The following new items were downloaded:
```

Download Path

/Users/gneagle/Library/AutoPkg/Cache/com.github.killahquam.pkg.slack/ downloads/Slack.dmg


```
$ autopkg run -v Slack.pkg
```

```
Processing Slack.pkg...
```

```
WARNING: Slack.pkg is missing trust info and FAIL_RECIPES_WITHOUT_TRUST_INFO is not set. Proceeding...
```

```
URLDownloader
```

```
URLDownloader: Storing new Last-Modified header: Thu, 29 Aug 2019 19:21:46 GMT
```

```
URLDownloader: Storing new ETag header: "990b21fadc256cc64e6d0a0a4a5fc25f-15"
```

```
URLDownloader: Downloaded /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/downloads/Slack.dmg
```

```
EndOfCheckPhase
```

```
CodeSignatureVerifier
```

```
CodeSignatureVerifier: Mounted disk image /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/downloads/Slack.dmg
```

```
CodeSignatureVerifier: Verifying code signature...
```

```
CodeSignatureVerifier: Deep verification enabled...
```

```
CodeSignatureVerifier: Strict verification not defined. Using codesign  
defaults...
```

```
CodeSignatureVerifier: /private/tmp/dmg.rcmtm9/Slack.app: valid on disk
```

```
CodeSignatureVerifier: /private/tmp/dmg.rcmtm9/Slack.app: satisfies its
```

```
Designated Requirement
```

```
CodeSignatureVerifier: /private/tmp/dmg.rcmtm9/Slack.app: explicit requirement  
satisfied
```

```
$ autopkg run -v Slack.pkg
```

```
Processing Slack.pkg...
```

```
WARNING: Slack.pkg is missing trust info and FAIL_RECIPES_WITHOUT_TRUST_INFO is not set. Proceeding...
```

```
URLDownloader
```

```
URLDownloader: Storing new Last-Modified header: Thu, 29 Aug 2019 19:21:46 GMT
```

```
URLDownloader: Storing new ETag header: "990b21fadc256cc64e6d0a0a4a5fc25f-15"
```

```
URLDownloader: Downloaded /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/downloads/Slack.dmg
```

```
EndOfCheckPhase
```

```
CodeSignatureVerifier
```

```
CodeSignatureVerifier: Mounted disk image /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/downloads/Slack.dmg
```

```
CodeSignatureVerifier: Verifying code signature...
```

```
CodeSignatureVerifier: Deep verification enabled...
```

```
CodeSignatureVerifier: Strict verification not defined. Using codesign  
defaults...
```

```
CodeSignatureVerifier: /private/tmp/dmg.rcmtm9/Slack.app: valid on disk
```

```
CodeSignatureVerifier: /private/tmp/dmg.rcmtm9/Slack.app: satisfies its
```

```
Designated Requirement
```

```
CodeSignatureVerifier: /private/tmp/dmg.rcmtm9/Slack.app: explicit requirement  
satisfied
```



```
$ autopkg run -v Slack.pkg
```

```
URLDownloader
```

```
URLDownloader: Storing new Last-Modified header: Thu, 29 Aug 2019 19:21:46 GMT
```

```
URLDownloader: Storing new ETag header: "990b21fadc256cc64e6d0a0a4a5fc25f-15"
```

```
URLDownloader: Downloaded /Users/gneagle/Library/AutoPkg/Cache/
```

```
com.github.killahquam.pkg.slack/downloads/Slack.dmg
```

```
EndOfCheckPhase
```

```
CodeSignatureVerifier
```

```
CodeSignatureVerifier: Mounted disk image /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/downloads/Slack.dmg
```

```
CodeSignatureVerifier: Verifying code signature...
```

```
CodeSignatureVerifier: Deep verification enabled...
```

```
CodeSignatureVerifier: Strict verification not defined. Using codesign  
defaults...
```

```
CodeSignatureVerifier: /private/tmp/dmg.rcmtm9/Slack.app: valid on disk
```

```
CodeSignatureVerifier: /private/tmp/dmg.rcmtm9/Slack.app: satisfies its
```

```
Designated Requirement
```

```
CodeSignatureVerifier: /private/tmp/dmg.rcmtm9/Slack.app: explicit requirement  
satisfied
```

```
CodeSignatureVerifier: Signature is valid
```

```
PkgRootCreator
```

```
PkgRootCreator: Created /Users/gneagle/Library/AutoPkg/Cache/
```



```
$ autopkg run -v Slack.pkg
```

```
CodeSignatureVerifier: /private/tmp/dmg.rcmtm9/Slack.app: explicit requirement satisfied
```

```
CodeSignatureVerifier: Signature is valid
```

```
PkgRootCreator
```

```
PkgRootCreator: Created /Users/gneagle/Library/AutoPkg/Cache/com.github.killahquam.pkg.slack/Slack
```

```
PkgRootCreator: Created /Users/gneagle/Library/AutoPkg/Cache/com.github.killahquam.pkg.slack/Slack/Applications
```

```
Copier
```

```
Copier: Mounted disk image /Users/gneagle/Library/AutoPkg/Cache/com.github.killahquam.pkg.slack/downloads/Slack.dmg
```

```
Copier: Copied /private/tmp/dmg.IJ2Fck/Slack.app to /Users/gneagle/Library/AutoPkg/Cache/com.github.killahquam.pkg.slack/Slack/Applications/Slack.app
```

```
AppDmgVersioner
```

```
AppDmgVersioner: Mounted disk image /Users/gneagle/Library/AutoPkg/Cache/com.github.killahquam.pkg.slack/downloads/Slack.dmg
```

```
AppDmgVersioner: BundleID: com.tinyspeck.slackmacgap
```

```
AppDmgVersioner: Version: 4.0.3
```

```
PkgCreator
```

```
PkgCreator: Connecting
```

```
PkgCreator: Sending packaging request
```

```
$ autopkg run -v Slack.pkg
```

```
PkgRootCreator
```

```
PkgRootCreator: Created /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/Slack
```

```
PkgRootCreator: Created /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/Slack/Applications
```

```
Copier
```

```
Copier: Mounted disk image /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/downloads/Slack.dmg
```

```
Copier: Copied /private/tmp/dmg.IJ2Fck/Slack.app to /Users/gneagle/Library/  
AutoPkg/Cache/com.github.killahquam.pkg.slack/Slack/Applications/Slack.app
```

```
AppDmgVersioner
```

```
AppDmgVersioner: Mounted disk image /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/downloads/Slack.dmg
```

```
AppDmgVersioner: BundleID: com.tinyspeck.slackmacgap
```

```
AppDmgVersioner: Version: 4.0.3
```

```
PkgCreator
```

```
PkgCreator: Connecting
```

```
PkgCreator: Sending packaging request
```

```
PkgCreator: Disconnecting
```

```
Receipt written to /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/receipts/Slack-receipt-20190924-110026.plist
```

```
$ autopkg run -v Slack.pkg
```

```
Copier
```

```
Copier: Mounted disk image /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/downloads/Slack.dmg
```

```
Copier: Copied /private/tmp/dmg.IJ2Fck/Slack.app to /Users/gneagle/Library/  
AutoPkg/Cache/com.github.killahquam.pkg.slack/Slack/Applications/Slack.app
```

```
AppDmgVersioner
```

```
AppDmgVersioner: Mounted disk image /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/downloads/Slack.dmg
```

```
AppDmgVersioner: BundleID: com.tinyspeck.slackmacgap
```

```
AppDmgVersioner: Version: 4.0.3
```

```
PkgCreator
```

```
PkgCreator: Connecting
```

```
PkgCreator: Sending packaging request
```

```
PkgCreator: Disconnecting
```

```
Receipt written to /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/receipts/Slack-receipt-20190924-110026.plist
```

```
The following packages were built:
```

Identifier	Version	Pkg Path
-----	-----	-----
com.tinyspeck.slackmacgap	4.0.3	/Users/gneagle/Library/AutoPkg/Cache/


```
$ autopkg run -v Slack.pkg
```

```
PkgCreator: Sending packaging request
```

```
PkgCreator: Disconnecting
```

```
Receipt written to /Users/gneagle/Library/AutoPkg/Cache/  
com.github.killahquam.pkg.slack/receipts/Slack-receipt-20190924-110026.plist
```

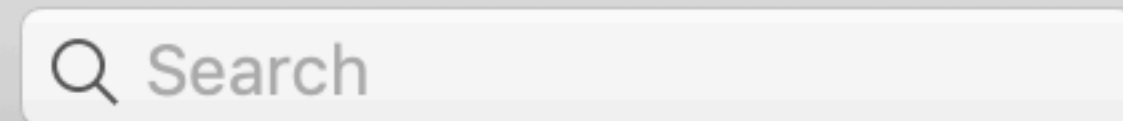
```
The following packages were built:
```

Identifier	Version	Pkg Path
-----	-----	-----
com.tinyspeck.slackmacgap	4.0.3	/Users/gneagle/Library/AutoPkg/Cache/ com.github.killahquam.pkg.slack/Slack-4.0.3.pkg

```
The following new items were downloaded:
```

Download Path

/Users/gneagle/Library/AutoPkg/Cache/com.github.killahquam.pkg.slack/ downloads/Slack.dmg



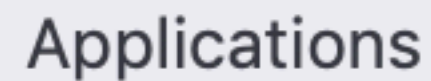
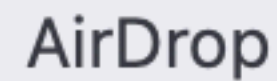
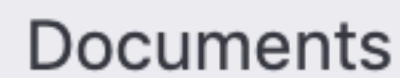
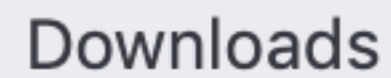
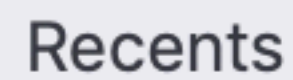
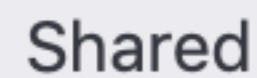
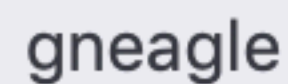
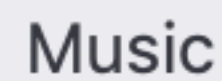
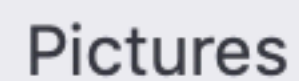
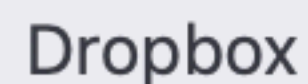
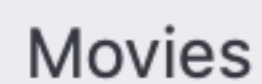
Name



Date Modified

Size

Kind



downloads

 Slack.dmg

receipts



Slack



Slack-4.0.3.pkg

Today at 11:00 AM

80.1 MB

Installe...ackage

1 of 5 selected, 79.91 GB available

software mangement integration







AutoPkg automation

Recipe lists


```
$ cat ~/Library/AutoPkg/recipe/recipe-list
AdobeFlashPlayer.munki
AdobeReader.munki
Bluejeans.munki
Docker.munki
Firefox.munki
GoogleChrome.munki
MSExcel2019.munki
MSPowerPoint.munki
MSWord2019.munki
OmniGraffle.munki
Skype.munki
Slack.munki
Thunderbird.munki
VLC.munki
XQuartz.munki
munkitools3.munki
MakeCatalogs.munki
```

```
$ autopkg run --recipe-list ~/Library/AutoPkg/recipe-list
```

```
$ autopkg run --recipe-list ~/Library/AutoPkg/recipe-list
```

```
Processing AdobeFlashPlayer.munki...
```



```
Processing AdobeReader.munki...
```

```
Processing Bluejeans.munki...
```

```
Processing Docker.munki...
```



```
Processing Firefox.munki...
```

```
Processing GoogleChrome.munki...
```

```
Processing MSExcel2019.munki...
```

```
Processing MSPowerPoint2019.munki...
```



```
Processing MSWord2019.munki...
```

```
Processing OmniGraffle.munki...
```

```
Processing Skype.munki...
```

```
Processing Slack.munki
```



```
Processing Thunderbird.munki...
```

```
Processing VLC.munki...
```

```
Processing XQuartz.munki...
```



```
Processing munkitools3.munki...
```

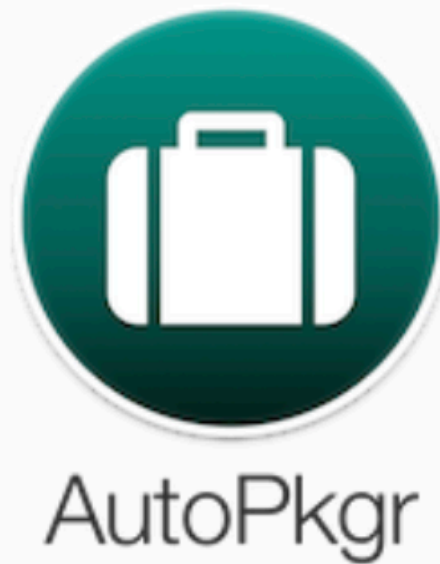
```
Processing MakeCatalogs.munki...
```


More automation

AutoPkg^r



We put more “auto” into AutoPkgr.



Get started faster.

AutoPkgr allows you to easily install all the components that AutoPkgr requires so you can start downloading recipes right away.

You've got updates!

When a scheduled check reveals new versions of the recipes you're subscribed to, AutoPkgr will send an email notification to alert you.

Munki friendly.

One-click access to repositories.

AutoPkgr is ready to connect to popular recipe repositories with the click of a button. Of course, you can add repositories manually too.

Track the apps you care about.

Once you specify which recipes you want to watch, AutoPkgr remembers these recipes so you don't have to. You can go back and change the recipe watch list at any time.

Easier integration.

AutoPkgr

InstallRepos & RecipesScheduleNotificationsFolders & Integration

☒ Enable scheduled AutoPkgr runs

☐ Every:

24

hours

☒ Daily at:

12:00 AM

☐ Weekly on:

Sunday

at

12:00 AM

☐ Update all repos before each AutoPkgr run

AutoPkgr

InstallRepos & RecipesScheduleNotificationsFolders & Integration

☒ Send notifications to an email address

Send Test Email

From: autopkg-bot@pretendco.com

Recipients: gregneagle@mac.com

SMTP server: smtp.gmail.comport 465

☐ Use Secure Sockets Layer (SSL)

☐ Use authentication

Username: sender@yourdomain.exampPassword:

☒ Send notifications to Slack channel

Configure...

☐ Send notifications to HipChat room

Configure...

☒ Enable Mac OS X notifications

Choose which actions trigger notification:

Customize...

Customize notification templates:

Customize...

Still more automation

github.com/rtrouton/autopkg-conductor

rtrouton / autopkg-conductor

Watch

1

Star

12

Fork

6

Code

Issues0

Pull requests0

Projects0

Wiki

Security

Insights

Script for managing AutoPkg runs

8 commits

1 branch

0 releases

1 contributor

MIT

Branch: master

New pull request

Create new file

Upload files

Find File

Clone or download

#! rtrouton Merge branch 'master' of https://github.com/rtrouton/autopkg-conductor

Latest commit fccc060 on Jul 8, 2018

readme_images	Uploading autopkg-conductor script and support files.	last year
sample_launchdaemons	Uploading autopkg-conductor script and support files.	last year
.gitattributes	Initial commit	last year
LICENSE	Initial commit	last year
README.md	Update README with blog category link.	last year
autopkg-conductor.sh	Merge branch 'master' of https://github.com/rtrouton/autopkg-conductor	last year

README.md

AutoPkg Conductor

The `autopkg-conductor.sh` script is designed to do the following:

1. Detect a list of AutoPkg recipes at a defined location and verify that the list was readable.
2. If the AutoPkg recipe list was readable and available, run the following actions:

AutoPkg Conductor

The `autopkg-conductor.sh` script is designed to do the following:

1. Detect a list of AutoPkg recipes at a defined location and verify that the list was readable.
2. If the AutoPkg recipe list was readable and available, run the following actions:
 - Verify that AutoPkg is installed.
 - Update all available AutoPkg repos with the latest recipes.
 - Run the AutoPkg recipes in the list.

The AutoPkg run has all actions logged to `~/Library/Logs`, with the logfiles being named **autopkg-run-for-** followed by the date.

If the optional `slack_post_processor` and `slack_webhook` variables are both correctly populated, AutoPkg `.jss` recipes should have output sent to the Slack webhook specified in the `slack_webhook` variable.

New package message:

New installer package added to Jamf Pro:

URL: [REDACTED]

Title: **Firefox**

Category: **Web Browsers and Internet Utilities**

Policy Name: **Install Latest Firefox**

Uploaded Package Name: **Firefox-61.0.1.pkg**

A Slack notification post-processor for AutoPkg/JSSImporter

Dec 22, 2017 •

If you are using **AutoPkgr** to run your **AutoPkg** recipes, you have an in-built Slack notifier. But what if you are not using AutoPkgr?

I've written an AutoPkg post-processor that you can call as part of a command-line AutoPkg run, to send a Slack notification using a webhook. I unimaginatively named it **Slacker**.

This version is configured specifically to notify that a JSS recipe ran and updated a software title. It would be easy to copy the post-processor and change the inputs for Munki or other recipe runs.

Creating a webhook

You will need a Slack workgroup and channel, of course, and you need to configure a webhook. To do this, follow the instructions at <https://get.slack.help/hc/en-us/articles/115005265063-Incoming-WebHooks-for-Slack>.

This should give you a webhook in the form `https://hooks.slack.com/services/XXXXXXXX/YYYYYYYY/ZZZZZZZZZZ`

Running AutoPkg with the Slacker post-processor

First you need to add my repo:

```
autopkg repo-add https://github.com/grahampugh/recipes
```

Now run the command:

```
autopkg run MyRecipe.jss --post=com.github.grahampugh.recipes.postprocessors/Slacker --key webhook_url=https://hooks.s
```


Latest commit abd4674 on Jul 8, 2014

..

 [README.md](#) added twitter contact info 5 years ago

 [autopkg-wrapper.sh](#)
Update autopkg-wrapper.sh
5 years ago

 [autopkg.out](#) fix autopkg.out 6 years ago

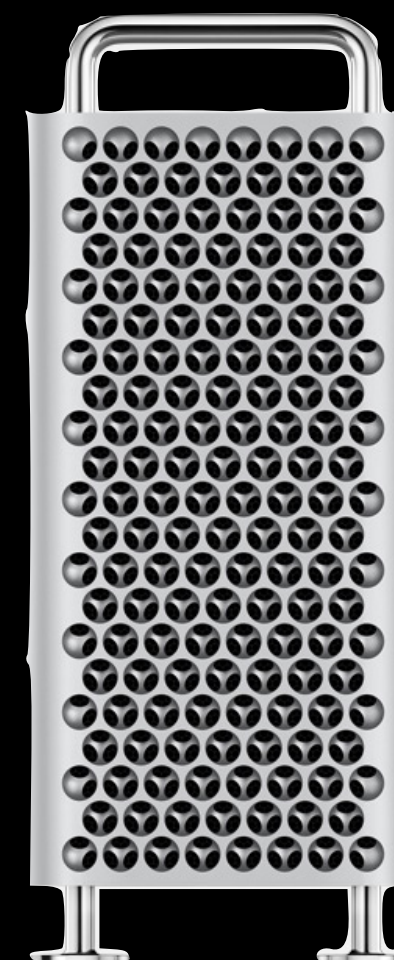
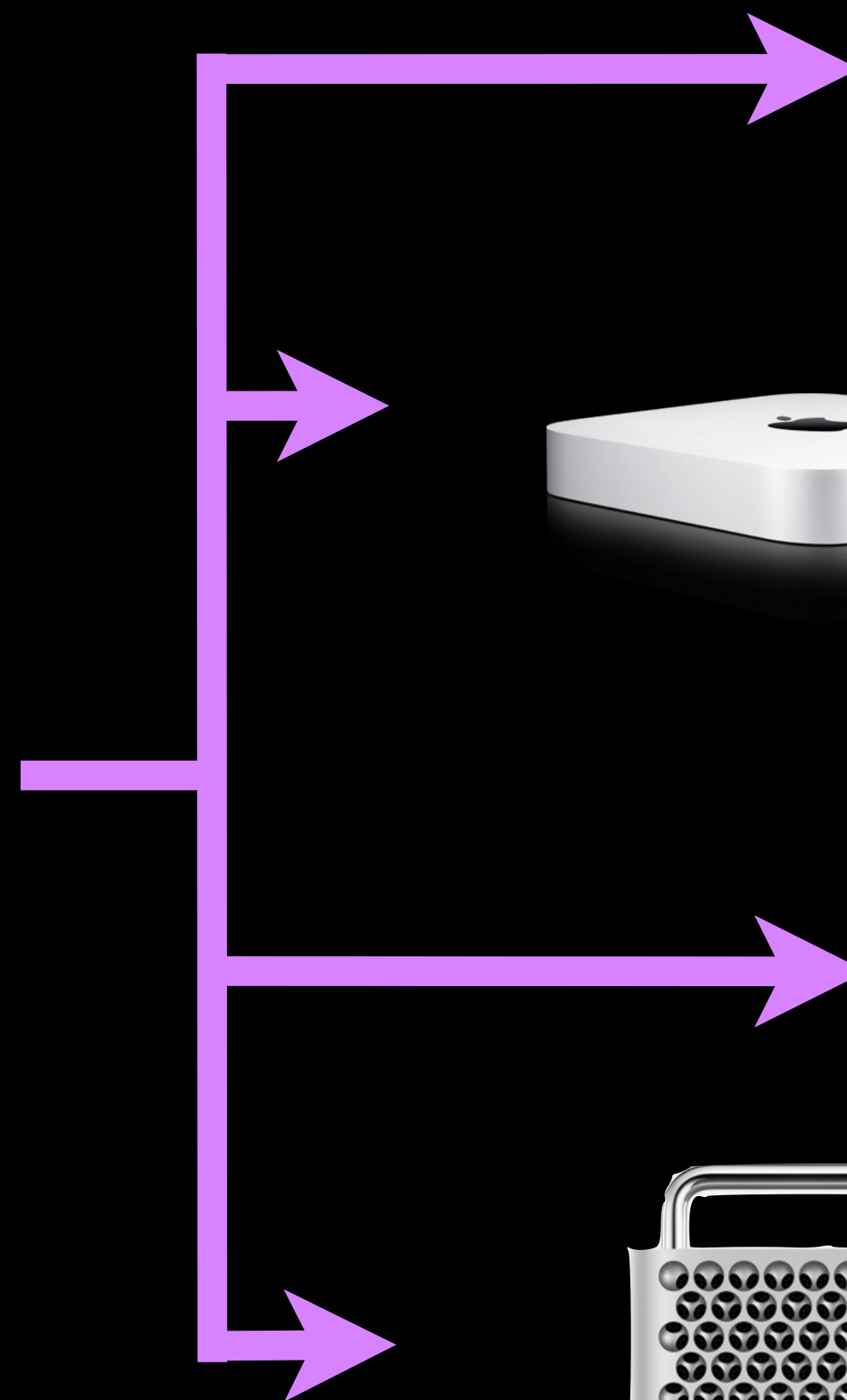
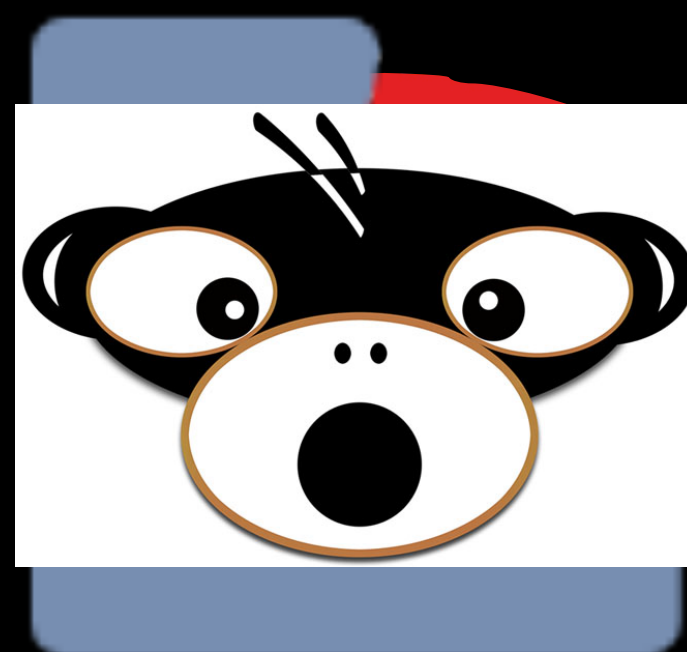
 [com.example.autopkg-wrapper.plist](#) add AbandonProcessGroup key to allow emails to be sent via launchdaem... 6 years ago

 README.md

This is a little script I wrote to be notified (via email) when something changes when autopkg runs. You can find more info [on my blog](#), including how to configure the variables to get things running in your environment. If you need some help getting things set up, feel free to ping me on twitter at [@seankaiser](#).



AutoPkg



Managing Updates: The Next Level

MacSysAdmin 2013

<http://docs.macsysadmin.se/2013/video/Day2Session4.mp4>

AutoPkg: Crowd-sourcing packaging and deployment

MacSysAdmin 2014

<http://docs.macsysadmin.se/2014/video/Day2Session5.mp4>

You Oughta Check Out AutoPkg

Penn State MacAdmins 2014

<https://www.youtube.com/watch?v=mqK-MAEZekl>

What's new(ish) in AutoPkg?

Recipe Repos

2013

- ~4 repos
- ~6 recipe authors
- ~100-200 recipes

2014

- 26 repos
- 26+ recipe authors
- 750+ recipes

2019

- 120+ repos
- 120+ recipe authors
- 7900+ recipes

2019

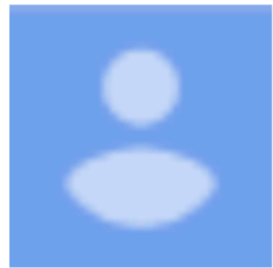
- 2600+ unique product names

Security

[autopkg-discuss](#) ›

Is Autopkg Safe?

4 posts by 3 authors 



dennis moffett

12/6/13



I've been using Autopkg with Munki for a few weeks now to distribute software updates to lab machines. And now I'm using Jenkins to automatically load those updates into Munki. It's pretty cool to watch your lab get updated without any having to lift a finger. But my question to those with a better grasp of how it all works is, is it safe? Autopkg recipes are community run. So, would it be possible for someone to do something mischievous and replace say a Firefox update with some kind of malware that would automatically download and import itself into Munki?

**Munki catalogs
(test deployments)**

https:// URLs

CodeSignatureVerifier

Slack.download.recipe

```
<dict>
  <key>Processor</key>
  <string>CodeSignatureVerifier</string>
  <key>Arguments</key>
  <dict>
    <key>input_path</key>
    <string>%RECIPE_CACHE_DIR%/downloads/%NAME%.dmg/Slack.app</string>
    <key>requirement</key>
    <string>identifier "com.tinyspeck.slackmacgap" and anchor apple
generic and certificate 1[field.1.2.840.113635.100.6.2.6] /* exists */
and certificate leaf[field.1.2.840.113635.100.6.1.13] /* exists */ and
certificate leaf[subject.OU] = BQR82RBBHL</string>
  </dict>
</dict>
```


`https:// URLs`
`CodeSignatureVerifier`
`test deployments`

Other people's recipes?

Auditing

[autopkg-discuss](#) ›

Recipe auditing, security and maintenance - Seal of approval

59 posts by 10 authors 



Erik

7/6/16



Lately I've spent a considerable amount of time auditing autopkg recipes and I have found a somewhat alarming issue. 1 in every 4 recipes are missing code signature verification or SSL downloads. While my scope of recipes have been limited to about 45 different software packages (and roughly 800 recipes), I think we have an issue large enough that we should have a discussion. Outlined below are a few issues from highest priority to lowest that I think we somehow need to tackle.

autopkg audit

autopkg audit flags

- Uses non-https URLs for downloads
- Missing a CodeSignatureVerifier step
- Uses custom processors (code not provided by AutoPkg itself)
- Uses processors that could modify the original software downloaded from the vendor


```
$ autopkg audit AdobeFlashPlayer.munki
  File path:      /Users/gneagle/Library/AutoPkg/RecipeOverrides/
                  AdobeFlashPlayer.munki.recipe
  Parent recipe(s): /Users/gneagle/Library/AutoPkg/RecipeRepos/
                   com.github.autopkg.recipes/AdobeFlashPlayer/
                   AdobeFlashPlayer.munki.recipe
                   /Users/gneagle/Library/AutoPkg/RecipeRepos/
                   com.github.autopkg.recipes/AdobeFlashPlayer/
                   AdobeFlashPlayer.download.recipe
```

The following processors are non-core and can execute arbitrary code, performing any action.

Be sure you understand what the processor does and/or you trust its source:

AdobeFlashURLProvider

```
$ autopkg audit Zoom.munki
File path:      /Users/gneagle/Library/AutoPkg/RecipeOverrides/
                Zoom.munki.recipe
Parent recipe(s): /Users/gneagle/Library/AutoPkg/RecipeRepos/
                  com.github.autopkg.homebysix-recipes/Zoom/
                  Zoom.munki.recipe
                  /Users/gneagle/Library/AutoPkg/RecipeRepos/
                  com.github.autopkg.homebysix-recipes/Zoom/
                  Zoom.pkg.recipe
                  /Users/gneagle/Library/AutoPkg/RecipeRepos/
                  com.github.autopkg.hansen-m-recipes/Zoom/
                  Zoom.download.recipe
```

The following processors make modifications and their use in this recipe should be more closely inspected:

PkgCreator

```
$ autopkg audit Slack.munki  
Slack.munki: no audit flags triggered.
```


Everything is scary!

Reviewing recipes

```
$ autopkg info Slack.munki
```



```
$ autopkg info Slack.munki
Description: Downloads the latest 'Slack' and imports into Munki.
Identifier: local.munki.Slack
Munki import recipe: true
Has check phase: True
Builds package: False
Recipe file path: /Users/gneagle/Library/AutoPkg/RecipeOverrides/
                  Slack.munki.recipe
Parent recipe(s): /Users/gneagle/Library/AutoPkg/RecipeRepos/
                  com.github.autopkg.killahquam-recipes/Slack/
                  Slack.munki.recipe
                  /Users/gneagle/Library/AutoPkg/RecipeRepos/
                  com.github.autopkg.killahquam-recipes/Slack/
                  Slack.download.recipe
```

Input values:

```
"DISABLE_CODE_SIGNATURE_VERIFICATION" = 0;
"DOWNLOAD_URL" = "https://slack.com/ssb/download-osx";
"MUNKI_REPO_SUBDIR" = apps;
NAME = Slack;
pkginfo = {
    catalogs = (
        testing
```

```
$ autopkg info Slack.munki
Description:      Downloads the latest 'Slack' and imports into Munki.
Identifier:       local.munki.Slack
Munki import recipe: True
Has check phase: True
Builds package:  False
Recipe file path: /Users/gneagle/Library/AutoPkg/RecipeOverrides/
                  Slack.munki.recipe
Parent recipe(s): /Users/gneagle/Library/AutoPkg/RecipeRepos/
                  com.github.autopkg.killahquam-recipes/Slack/
                  Slack.munki.recipe
                  /Users/gneagle/Library/AutoPkg/RecipeRepos/
                  com.github.autopkg.killahquam-recipes/Slack/
                  Slack.download.recipe
```

Input values:

```
"DISABLE_CODE_SIGNATURE_VERIFICATION" = 0;
"DOWNLOAD_URL" = "https://slack.com/ssb/download-osx";
"MUNKI_REPO_SUBDIR" = apps;
NAME = Slack;
pkginfo = {
    catalogs = (
        testing
```

```
$ autopkg info Slack.munki
Description:      Downloads the latest 'Slack' and imports into Munki.
Identifier:       local.munki.Slack
Munki import recipe: True
Has check phase: True
Builds package:  False
Recipe file path: /Users/gneagle/Library/AutoPkg/RecipeOverrides/
                  Slack.munki.recipe
```

```
Parent recipe(s): /Users/gneagle/Library/AutoPkg/RecipeRepos/
                  com.github.autopkg.killahquam-recipes/Slack/
                  Slack.munki.recipe
                  /Users/gneagle/Library/AutoPkg/RecipeRepos/
                  com.github.autopkg.killahquam-recipes/Slack/
                  Slack.download.recipe
```

Input values:

```
"DISABLE_CODE_SIGNATURE_VERIFICATION" = 0;
"DOWNLOAD_URL" = "https://slack.com/ssb/download-osx";
"MUNKI_REPO_SUBDIR" = apps;
NAME = Slack;
pkginfo = {
    catalogs = (
        testing
```



```
$ autopkg info Slack.munki
Description:      Downloads the latest 'Slack' and imports into Munki.
Identifier:       com.github.killahquam.munki.slack
Munki import recipe: True
Has check phase: True
Builds package:  False
Recipe file path: /Users/gneagle/Library/AutoPkg/RecipeRepos/
com.github.autopkg.killahquam-recipes/Slack/Slack.munki.recipe
Parent recipe(s): /Users/gneagle/Library/AutoPkg/RecipeRepos/
com.github.autopkg.killahquam-recipes/Slack/Slack.download.recipe
Input values:

"DISABLE_CODE_SIGNATURE_VERIFICATION" = 0;
"DOWNLOAD_URL" = "https://slack.com/ssb/download-osx";
"MUNKI_REPO_SUBDIR" = apps;
NAME = Slack;
pkginfo = {
    catalogs = (
        testing
    );
    category = Communication;
    description = "Slack is a platform for team communication:
everything in one place, instantly searchable, available wherever you go.";
    developer = Slack;
```

```
$ autopkg info Slack.munki
Description:      Downloads the latest 'Slack' and imports into Munki.
Identifier:       com.github.killahquam.munki.slack
Munki import recipe: True
Has check phase: True
Builds package:  False
Recipe file path: /Users/gneagle/Library/AutoPkg/RecipeRepos/
com.github.autopkg.killahquam-recipes/Slack/Slack.munki.recipe
Parent recipe(s): /Users/gneagle/Library/AutoPkg/RecipeRepos/
com.github.autopkg.killahquam-recipes/Slack/Slack.download.recipe
Input values:
```

```
    "DISABLE_CODE_SIGNATURE_VERIFICATION" = 0;
    "DOWNLOAD_URL" = "https://slack.com/ssb/download-osx";
    "MUNKI_REPO_SUBDIR" = apps;
    NAME = Slack;
    pkginfo = {
        catalogs = (
            testing
        );
        category = Communication;
        description = "Slack is a platform for team communication:
everything in one place, instantly searchable, available wherever you go.";
        developer = Slack;
```

```
$ autopkg info Slack.munki
Description:      Downloads the latest 'Slack' and imports into Munki.
Identifier:       com.github.killahquam.munki.slack
Munki import recipe: True
Has check phase: True
Builds package:  False
Recipe file path: /Users/gneagle/Library/AutoPkg/RecipeRepos/
com.github.autopkg.killahquam-recipes/Slack/Slack-munki-recipe
Parent recipe(s): /Users/gneagle/Library/AutoPkg/RecipeRepos/
com.github.autopkg.killahquam-recipes/Slack/Slack.download.recipe
Input values:
```

```
"DISABLE_CODE_SIGNATURE_VERIFICATION" = 0;
"DOWNLOAD_URL" = "https://slack.com/ssb/download-osx";
"MUNKI_REPO_SUBDIR" = apps;
NAME = Slack;
pkginfo = {
    catalogs = (
        testing
    );
    category = Communication;
    description = "Slack is a platform for team communication:
everything in one place, instantly searchable, available wherever you go.";
    developer = Slack;
```



```
$ cat ~/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes/  
Slack/Slack.download.recipe
```

```
$ cat ~/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes/
Slack/Slack.download.recipe
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/
DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
  <key>Description</key>
  <string>Downloads latest Slack.</string>
  <key>Identifier</key>
  <string>com.github.killahquam.download.slack</string>
  <key>Input</key>
  <dict>
    <key>NAME</key>
    <string>Slack</string>
    <key>DOWNLOAD_URL</key>
    <string>https://slack.com/ssb/download-osx</string>
    <key>DISABLE_CODE_SIGNATURE_VERIFICATION</key>
    <false/>
  </dict>
  <key>MinimumVersion</key>
  <string>0.4.0</string>
  <key>Process</key>
```

```
</dict>
<key>MinimumVersion</key>
<string>0.4.0</string>
<key>Process</key>
<array>
  <dict>
    <key>Processor</key>
    <string>URLDownloader</string>
    <key>Arguments</key>
    <dict>
      <key>url</key>
      <string>%DOWNLOAD_URL%</string>
      <key>filename</key>
      <string>%NAME%.dmg</string>
    </dict>
  </dict>
  <dict>
    <key>Processor</key>
    <string>EndOfCheckPhase</string>
  </dict>
  <dict>
    <key>Processor</key>
    <string>CodeSignatureVerifier</string>
    <key>Arguments</key>
    <dict>
      <key>input_path</key>
      <string>%RECIPE_CACHE_DIR%/downloads/%NAME%.dmg/Slack.app</string>
      <key>requirement</key>
      <string>identifier "com.tinyspeck.slackmacgap" and anchor apple generic and certificate 1[field.
1.2.840.113635.100.6.2.6] /* exists */ and certificate leaf[field.1.2.840.113635.100.6.1.13] /* exists */ and
certificate leaf[subject.OU] = BQR82RBBHL</string>
    </dict>
  </dict>
</array>
</dict>
</plist>
```



```
</dict>
<key>MinimumVersion</key>
<string>0.4.0</string>
<key>Process</key>
<array>
  <dict>
    <key>Processor</key>
    <string>URLDownloader</string>
    <key>Arguments</key>
    <dict>
      <key>url</key>
      <string>%DOWNLOAD_URL%</string>
      <key>filename</key>
      <string>%NAME%.dmg</string>
    </dict>
  </dict>
  <dict>
    <key>Processor</key>
    <string>EndOfCheckPhase</string>
  </dict>
  <dict>
    <key>Processor</key>
    <string>CodeSignatureVerifier</string>
    <key>Arguments</key>
    <dict>
      <key>input_path</key>
      <string>%RECIPE_CACHE_DIR%/downloads/%NAME%.dmg/Slack.app</string>
      <key>requirement</key>
      <string>identifier "com.tinyspeck.slackmacgap" and anchor apple generic and certificate 1[field.
1.2.840.113635.100.6.2.6] /* exists */ and certificate leaf[field.1.2.840.113635.100.6.1.13] /* exists */ and
certificate leaf[subject.OU] = BQR82RBBHL</string>
    </dict>
  </dict>
</array>
</dict>
</plist>
```



```
</dict>
<key>MinimumVersion</key>
<string>0.4.0</string>
<key>Process</key>
<array>
  <dict>
    <key>Processor</key>
    <string>URLDownloader</string>
    <key>Arguments</key>
    <dict>
      <key>url</key>
      <string>%DOWNLOAD_URL%</string>
      <key>filename</key>
      <string>%NAME%.dmg</string>
    </dict>
  </dict>
  <dict>
    <key>Processor</key>
    <string>EndOfCheckPhase</string>
  </dict>
  <dict>
    <key>Processor</key>
    <string>CodeSignatureVerifier</string>
    <key>Arguments</key>
    <dict>
      <key>input_path</key>
      <string>%RECIPE_CACHE_DIR%/downloads/%NAME%.dmg/Slack.app</string>
      <key>requirement</key>
      <string>identifier "com.tinyspeck.slackmacgap" and anchor apple generic and certificate 1[field.
1.2.840.113635.100.6.2.6] /* exists */ and certificate leaf[field.1.2.840.113635.100.6.1.13] /* exists */ and
certificate leaf[subject.OU] = BQR82RBBHL</string>
    </dict>
  </dict>
</array>
</dict>
</plist>
```

```
</dict>
<key>MinimumVersion</key>
<string>0.4.0</string>
<key>Process</key>
<array>
  <dict>
    <key>Processor</key>
    <string>URLDownloader</string>
    <key>Arguments</key>
    <dict>
      <key>url</key>
      <string>%DOWNLOAD_URL%</string>
      <key>filename</key>
      <string>%NAME%.dmg</string>
    </dict>
  </dict>
  <dict>
    <key>Processor</key>
    <string>EndOfCheckPhase</string>
  </dict>
  <dict>
    <key>Processor</key>
    <string>CodeSignatureVerifier</string>
    <key>Arguments</key>
    <dict>
      <key>input_path</key>
      <string>%RECIPE_CACHE_DIR%/downloads/%NAME%.dmg/Slack.app</string>
      <key>requirement</key>
      <string>identifier "com.tinyspeck.slackmacgap" and anchor apple generic and certificate 1[field.
1.2.840.113635.100.6.2.6] /* exists */ and certificate leaf[field.1.2.840.113635.100.6.1.13] /* exists */ and
certificate leaf[subject.OU] = BQR82RBBHL</string>
    </dict>
  </dict>
</array>
</dict>
</plist>
```

```
<string>com.github.killahquam.download.slack</string>
<key>Input</key>
<dict>
  <key>NAME</key>
  <string>Slack</string>
  <key>DOWNLOAD_URL</key>
  <string>https://slack.com/ssb/download-osx</string>
  <key>DISABLE_CODE_SIGNATURE_VERIFICATION</key>
  <false/>
</dict>
<key>MinimumVersion</key>
<string>0.4.0</string>
<key>Process</key>
<array>
  <dict>
    <key>Processor</key>
    <string>URLDownloader</string>
    <key>Arguments</key>
    <dict>
      <key>url</key>
      <string>%DOWNLOAD_URL%</string>
      <key>filename</key>
      <string>%NAME%.dmg</string>
    </dict>
  </dict>
</array>
</dict>
```



```
$ cat ~/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes/  
Slack/Slack.munki.recipe
```

```
<key>Input</key>
<dict>
  <key>NAME</key>
  <string>Slack</string>
  <key>MUNKI_REPO_SUBDIR</key>
  <string>apps</string>
  <key>pkginfo</key>
  <dict>
    <key>catalogs</key>
    <array>
      <string>testing</string>
    </array>
    <key>description</key>
    <string>Slack is a platform for team communication: everything in one place,
instantly searchable, available wherever you go.</string>
    <key>display_name</key>
    <string>Slack</string>
    <key>category</key>
    <string>Communication</string>
    <key>developer</key>
    <string>Slack</string>
    <key>name</key>
    <string>%NAME%</string>
    <key>unattended_install</key>
    <true/>
  </dict>
```

```
<true/>
</dict>
</dict>
<key>MinimumVersion</key>
<string>0.2.0</string>
<key>ParentRecipe</key>
<string>com.github.killahquam.download.slack</string>
<key>Process</key>
<array>
  <dict>
    <key>Arguments</key>
    <dict>
      <key>pkg_path</key>
      <string>%RECIPE_CACHE_DIR%/downloads/%NAME%.dmg</string>
      <key>repo_subdirectory</key>
      <string>%MUNKI_REPO_SUBDIR%</string>
      <key>version_comparison_key</key>
      <string>CFBundleShortVersionString</string>
    </dict>
    <key>Processor</key>
    <string>MunkiImporter</string>
  </dict>
</array>
</dict>
</plist>
```


Trusting other people's recipes

Parent Recipe Trust

```
$ autopkg make-override Slack.munki
```

```
Override file saved to /Users/gneagle/Library/AutoPkg/  
RecipeOverrides/Slack.munki.recipe
```

```
$ cat ~/Library/AutoPkg/RecipeOverrides/Slack.munki.recipe
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
  <key>Identifier</key>
  <string>local.munki.Slack</string>
  <key>Input</key>
  <dict>
    <key>DISABLE_CODE_SIGNATURE_VERIFICATION</key>
    <false/>
    <key>DOWNLOAD_URL</key>
    <string>https://slack.com/ssb/download-osx</string>
    <key>MUNKI_REPO_SUBDIR</key>
    <string>apps</string>
    <key>NAME</key>
    <string>Slack</string>
    <key>pkginfo</key>
    <dict>
      <key>catalogs</key>
      <array>
        <string>testing</string>
      </array>
      <key>category</key>
      <string>Communication</string>
      <key>long_description</key>
      <string>Slack is a messaging app for teams.</string>
    </dict>
  </dict>
</plist>
```



```
<key>ParentRecipeTrustInfo</key>
<dict>
  <key>non_core_processors</key>
  <dict/>
  <key>parent_recipes</key>
  <dict>
    <key>com.github.killahquam.download.slack</key>
    <dict>
      <key>git_hash</key>
      <string>40ad9bb8cfd94df951bb24f6418ad158a2b1c9e1</string>
      <key>path</key>
      <string>~/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes/Slack/
Slack.download.recipe</string>
      <key>sha256_hash</key>
      <string>22b579a5f12fb18798a303af72facd23beca0c94cc30757aafbc0776c9085b25</string>
    </dict>
    <key>com.github.killahquam.munki.slack</key>
    <dict>
      <key>git_hash</key>
      <string>4498bc796d2a730236fee65af03ab6eca8ebe140</string>
      <key>path</key>
      <string>~/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes/Slack/
Slack.munki.recipe</string>
      <key>sha256_hash</key>
      <string>92700fc3d44b37f2017bfe6e32c5634d9c681bc5ed84dfa329fa5e993624baf2</string>
    </dict>
  </dict>
</dict>
```

```
<key>ParentRecipeTrustInfo</key>
<dict>
  <key>non_core_processors</key>
  <dict/>
  <key>parent_recipes</key>
  <dict>
    <key>com.github.killahquam.download.slack</key>
    <dict>
      <key>git_hash</key>
      <string>40ad9bb8cfd94df951bb24f6418ad158a2b1c9e1</string>
      <key>path</key>
      <string>~/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes/Slack/
Slack.download.recipe</string>
      <key>sha256_hash</key>
      <string>22b579a5f12fb18798a303af72facd23beca0c94cc30757aafbc0776c9085b25</string>
    </dict>
    <key>com.github.killahquam.munki.slack</key>
    <dict>
      <key>git_hash</key>
      <string>4498bc796d2a730236fee65af03ab6eca8ebe140</string>
      <key>path</key>
      <string>~/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes/Slack/
Slack.munki.recipe</string>
      <key>sha256_hash</key>
      <string>92700fc3d44b37f2017bfe6e32c5634d9c681bc5ed84dfa329fa5e993624baf2</string>
    </dict>
  </dict>
</dict>
```

```
<key>ParentRecipeTrustInfo</key>
<dict>
  <key>non_core_processors</key>
  <dict/>
  <key>parent_recipes</key>
  <dict>
    <key>com.github.killahquam.download.slack</key>
    <dict>
      <key>git_hash</key>
      <string>40ad9bb8cfd94df951bb24f6418ad158a2b1c9e1</string>
      <key>path</key>
      <string>~/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes/Slack/
Slack.download.recipe</string>
      <key>sha256_hash</key>
      <string>22b579a5f12fb18798a303af72facd23beca0c94cc30757aafbc0776c9085b25</string>
    </dict>
    <key>com.github.killahquam.munki.slack</key>
    <dict>
      <key>git_hash</key>
      <string>4498bc796d2a730236fee65af03ab6eca8ebe140</string>
      <key>path</key>
      <string>~/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes/Slack/
Slack.munki.recipe</string>
      <key>sha256_hash</key>
      <string>92700fc3d44b37f2017bfe6e32c5634d9c681bc5ed84dfa329fa5e993624baf2</string>
    </dict>
  </dict>
</dict>
```



```
<key>ParentRecipeTrustInfo</key>
<dict>
  <key>non_core_processors</key>
  <dict/>
  <key>parent_recipes</key>
  <dict>
    <key>com.github.killahquam.download.slack</key>
    <dict>
      <key>git_hash</key>
      <string>40ad9bb8cfd94df951bb24f6418ad158a2b1c9e1</string>
      <key>path</key>
      <string>~/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes/Slack/
Slack.download.recipe</string>
      <key>sha256_hash</key>
      <string>22b579a5f12fb18798a303af72facd23beca0c94cc30757aafbc0776c9085b25</string>
    </dict>
    <key>com.github.killahquam.munki.slack</key>
    <dict>
      <key>git_hash</key>
      <string>4498bc796d2a730236fee65af03ab6eca8ebe140</string>
      <key>path</key>
      <string>~/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes/Slack/
Slack.munki.recipe</string>
      <key>sha256_hash</key>
      <string>92700fc3d44b37f2017bfe6e32c5634d9c681bc5ed84dfa329fa5e993624baf2</string>
    </dict>
  </dict>
</dict>
```



```
autopkg repo-update killahquam-recipes
```

```
$ autopkg run Slack.munki
Processing Slack.munki...
Failed local trust verification.
```

The following recipes failed:

Slack.munki

Parent recipe com.github.killahquam.download.slack
contents differ from expected.

Path: /Users/gneagle/Library/AutoPkg/

RecipeRepos/com.github.autopkg.killahquam-recipes/Slack/
Slack.download.recipe

Nothing downloaded, packaged or imported.

```
$ autopkg verify-trust-info -vv Slack.munki
Slack.munki: FAILED
  Parent recipe com.github.killahquam.download.slack contents differ from expected.
    Path: /Users/gneagle/Library/AutoPkg/RecipeRepos/com.github.autopkg.killahquam-recipes/Slack/Slack.download.recipe
  commit 40ad9bb8cfd94df951bb24f6418ad158a2b1c9e1
  Author: Tom Cinbis <tom.cinbis@unibas.ch>
  Date:   Thu May 2 11:19:36 2019 +0200
```

```
    Revert "Updated Slack.download recipe to accept new zip download"
```

```
    This reverts commit fba532e0a04ff43cecc86644fb1d31f586de3def.
diff --git a/Slack/Slack.download.recipe b/Slack/Slack.download.recipe
index 7174b6b..a9f76ed 100755
--- a/Slack/Slack.download.recipe
+++ b/Slack/Slack.download.recipe
@@ -27,22 +27,7 @@
     <key>url</key>
     <string>%DOWNLOAD_URL%</string>
     <key>filename</key>
-    <string>%NAME%.zip</string>
-  </dict>
- </dict>
- <dict>
-   <key>Processor</key>
-   <string>Unarchiver</string>
- </dict>
- <dict>
-   <key>Processor</key>
-   <string>DmgCreator</string>
-   <key>Arguments</key>
-   <dict>
-     <key>dmg_root</key>
-     <string>%RECIPE_CACHE_DIR%/<del>%NAME%</del>%NAME%.app</string>
-     <key>dmg_path</key>
-     <string>%RECIPE_CACHE_DIR%/downloads/<del>%NAME%</del>%NAME%.dmg</string>
+    <string>%NAME%.dmg</string>
   </dict>
 </dict>
 <dict>
```



```
index /usr/local/libexec/rubygems/commands/gem_install_command.rb  
--- a/Slack/Slack.download.recipe  
+++ b/Slack/Slack.download.recipe  
@@ -27,22 +27,7 @@  
    <key>url</key>  
    <string>%DOWNLOAD_URL%</string>  
    <key>filename</key>  
-    <string>%NAME%.zip</string>  
-  </dict>  
- </dict>  
- <dict>  
-   <key>Processor</key>  
-   <string>Unarchiver</string>  
- </dict>  
- <dict>  
-   <key>Processor</key>  
-   <string>DmgCreator</string>  
-   <key>Arguments</key>  
-   <dict>  
-     <key>dmg_root</key>  
-     <string>%RECIPE_CACHE_DIR%/>>NAME%/>>NAME%.app</string>  
-     <key>dmg_path</key>  
-     <string>%RECIPE_CACHE_DIR%/downloads/>>NAME%.dmg</string>  
+     <string>%NAME%.dmg</string>  
   </dict>  
</dict>
```

```
$ autopkg update-trust-info Slack.munki  
Wrote updated /Users/gneagle/Library/AutoPkg/  
RecipeOverrides/Slack.munki.recipe
```

```
$ autopkg run Slack.munki
Processing Slack.munki...
```

The following new items were imported into Munki:

Name	Version	Catalogs	Pkginfo Path	Pkg Repo Path
Slack	4.0.3	testing	apps/Slack-4.0.3.plist	apps/Slack-4.0.3.dmg

The following new items were downloaded:

Download Path
/Users/gneagle/Library/AutoPkg/Cache/local.munki.Slack/downloads/Slack.dmg

New maintainers



Per Olofsson

@MagerValp



Per Olofsson

@MagerValp



Greg Neagle

@gregneagle



Tim Sutton

@tvsutton



Greg Neagle
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Per Olofsson
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Hannes Juutilainen
[@hjuutilainen](#)



Tim Sutton
[@tvsutton](#)



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Greg Neagle

@gregneagle



Tim Sutton

@tvsutton



Hannes Juutilainen

@hjuutilainen



Elliot Jordan

@homebysix



Nick McSpadden

@MrNickMcSpadden



Elliot Jordan

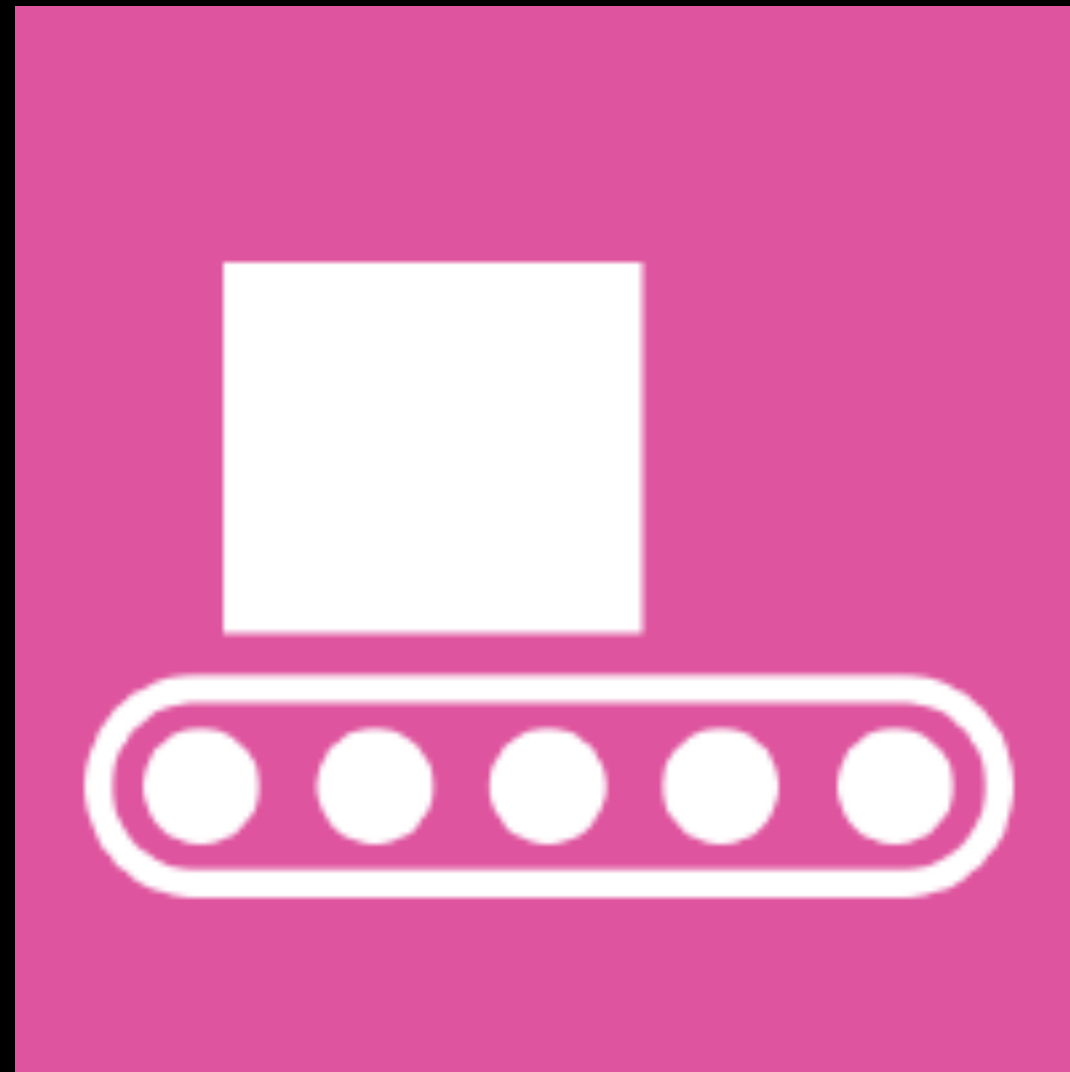
@homebysix



Nick McSpadden

@MrNickMcSpadden

Current Release



AutoPkg 1.2

Latest release

v1.2

60e55bd

Edit

AutoPkg 1.2

 nmcsadden released this 3 days ago · [1 commit](#) to master since this release

1.2 (September 16, 2019)

FIXES:

- Fixes erroneous `curl` using `--compress` instead of `--compressed` ([3c8bc23](#))
- Redirect from GitHub resulted in two header blocks ([b851d6d](#))
- PkgCopier would incorrectly use the pre-globbed input path if a destination was not specified ([02f461c](#))

ADDITIONS:

- Preferences can now be provided from an external file using `--prefs` . The input file can be either in JSON or plist format, and will be treated identically to preferences from macOS. ([7ae2f55](#))

IMPROVEMENTS:

- Several unit tests have been added for some core AutoPkg functionality, and certain processors.
- All occurrences of `print()` in the core autopkg script were replaced with `log` and `log_err` ([8300b80](#))
- The groundwork has been laid for running AutoPkg on alternative platforms.
- AutoPkg now uses a pre-commit hook that enforces the use of black, isort, and flake8 to ensure code quality. This includes a new CONTRIBUTING guide (<https://github.com/autopkg/autopkg/blob/master/CONTRIBUTING.md>)

autopkg / autopkg

<> Code

Issues 62

Pull requests

Add --compress option to curl invocation

...to change in commit 605b8a8. Works around a bug without an Accept-Encoding header.

master v1.2 v1.1

gregneagle committed on Apr 27

Showing 1 changed file with 1 addition and 1 deletion

2 Code/autopkglib/URLTextSearcher.py

@@ -90,7 +90,7 @@ def get_headers(self, url):	
90 re_pattern = re.compile(r'^(?P<method>[a-z]+) (?P<uri>[^\s/]+) (?P<protocol>[^\s/]+)://(?P<host>[^\s/]+)(?P<port>[:\d+]{1,5})?(?P<path>[^\s/]+)?(?P<query>[^\s/]+)?(?P<fragment>[^\s/]+)?\$', re.IGNORECASE)	
91	
92	
93	try:
93	cmd = [self.env['CURL_PATH'], '--location', '--compress']
94	if headers:
95	for header, value in headers.items():
96	cmd.extend(['--header', '%s: %s' % (header, value)])

0 comments on commit 9cddeda

Write

Preview

AA B i “ <> 🔗 ⋮ 1/2 3/3 ✓ @ 🚩 ↩

Leave a comment

Terminal — less ⏪ man curl — 100×25

See also `--cert-type` and `--key` and `--key-type`.

`--ciphers <list of ciphers>`
(TLS) Specifies which ciphers to use in the connection. The list of ciphers must specify valid ciphers. Read up on SSL cipher list details on this URL:

`https://curl.haxx.se/docs/ssl-ciphers.html`

If this option is used several times, the last one will be used.

`--compressed`
(HTTP) Request a compressed response using one of the algorithms curl supports, and save the uncompressed document. If this option is used and the server sends an unsupported encoding, curl will report an error.

`-K, --config <file>`
Specify which config file to read curl arguments from. The config file is a text file in which command line arguments can be written which then will be used as if they were written on the actual command line.

Options and their parameters must be specified on the same config file line, separated by whitespace, colon, or the equals sign. Long option names can optionally be given in the config file without the initial double dashes and

```
cmd = [self.env['CURL_PATH'], '--location', '--compress']
```


autopkg / autopkg

<> Code

Issues 62

Pull requests

Add --compress option to curl invocation

...to change in commit 605b8a8. Works around a bug without an Accept-Encoding header.

master v1.2 v1.1

gregneagle committed on Apr 27

Showing 1 changed file with 1 addition and 1 deletion

2 Code/autopkglib/URLTextSearcher.py

	@@ -90,7 +90,7 @@ def get_re_pattern(self):
90	90 re_pattern = re.compile(r'^(?P<url>[a-z0-9]+://[a-z0-9]+(?:/[a-z0-9]+)*)\$')
91	91
92	92
93	- cmd = [self.env['CURL_PATH'], '--location']
93	+ cmd = [self.env['CURL_PATH'], '--location', '--compress']
94	94 if headers:
95	95 for header, value in headers.items():
96	96 cmd.extend(['--header', '%s: %s' % (header, value)])

Terminal — ssh — sudo — 100x25

See also `--cert-type` and `--key` and `--key-type`.

`--ciphers <list of ciphers>`
(TLS) Specifies which ciphers to use in the connection. The list of ciphers must specify valid ciphers. Read up on SSL cipher list details on this URL:

`https://curl.haxx.se/docs/ssl-ciphers.html`

If this option is used several times, the last one will be used.

`--compressed-ssh`
(SCP SFTP) Enables built-in SSH compression. This is a request, not an order; the server may or may not do it.

Added in 7.56.0.

`--compressed`
(HTTP) Request a compressed response using one of the algorithms curl supports, and save the uncompressed document. If this option is used and the server sends an unsupported encoding, curl will report an error.

`-K, --config <file>`

0 comments on commit 9cddeda

Lock conversation



Write

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AA B i “ <> 🔗 ⋮ 1/2/3 ✓ @ 🚩 ↩

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/

Pull requests

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Issues 62

Pull requests 22

Wiki

Security

Insights

Settings

curl compress argument ambiguous #537

Edit

New issue

Closed

rickheil opened this issue on Jun 4 · 2 comments

rickheil commented on Jun 4

+ 😊 ...

Running recipes that leverage URLTextSearcher on a macOS with built-in curl 7.64.1 causes an error that the compress argument is ambiguous. Flag was introduced with 605b8a8 to handle sites that don't use Accept-Encoding and send compressed data anyhow.

I'll PR a change for Sparkle and URLTextSearcher to --compressed which seems to be the right intent. Testing so far on 10.15 and 10.14 is fine, need to boot up some older VMs and test against those.

gregneagle added a commit that referenced this issue on Jun 4

replace erroneous curl --compress option with the correct --compresse...

3c8bc23

...

gregneagle commented on Jun 4

Member + 😊 ...

No need for the PR. I'd guess 3c8bc23 matches what you'd submit?

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Notifications

Customize

Unsubscribe

You're receiving notifications because you're watching this repository.

2 participants

replace erroneous curl --compress option with the correct --compresse...

Browse files

...d. Addresses [#537](#).

master

v1.2

 **gregneagle** committed on Jun 4

1 parent [eaf5ae2](#) commit [3c8bc23d89e902d9e7f69ff698179f38f36a9a44](#)

Showing **2 changed files** with **2 additions** and **2 deletions**.

UnifiedSplit

2

Code/autopkglib/SparkleUpdateInfoProvider.py

		@@ -125,7 +125,7 @@ def fetch_content(self, url, headers=None):
125	125	URLTextSearcher processor."""
126	126	
127	127	try:
128	-	cmd = [self.env["CURL_PATH"], "--location", "--compress"]
128	+	cmd = [self.env["CURL_PATH"], "--location", "--compressed"]
129	129	if headers:
130	130	for header, value in headers.items():
131	131	cmd.extend(["--header", "%s: %s" % (header, value)])

2

Code/autopkglib/URLTextSearcher.py

		@@ -98,7 +98,7 @@ def get_url_and_search(self, url, re_pattern, headers=None, flags=None, opts=Non
98	98	re_pattern = re.compile(re_pattern, flags=flag_accumulator)
99	99	
100	100	try:
101	-	cmd = [self.env["CURL_PATH"], "--location", "--compress"]
101	+	cmd = [self.env["CURL_PATH"], "--location", "--compressed"]
102	102	if headers:
103	103	for header, value in headers.items():
104	104	cmd.extend(["--header", "%s: %s" % (header, value)])

Latest release

v1.2

60e55bd

Edit

AutoPkg 1.2

 nmcsadden released this 3 days ago · [1 commit](#) to master since this release

1.2 (September 16, 2019)

FIXES:

- Fixes erroneous `curl` using `--compress` instead of `--compressed` ([3c8bc23](#))
- Redirect from GitHub resulted in two header blocks ([b851d6d](#))
- PkgCopier would incorrectly use the pre-globbed input path if a destination was not specified ([02f461c](#))

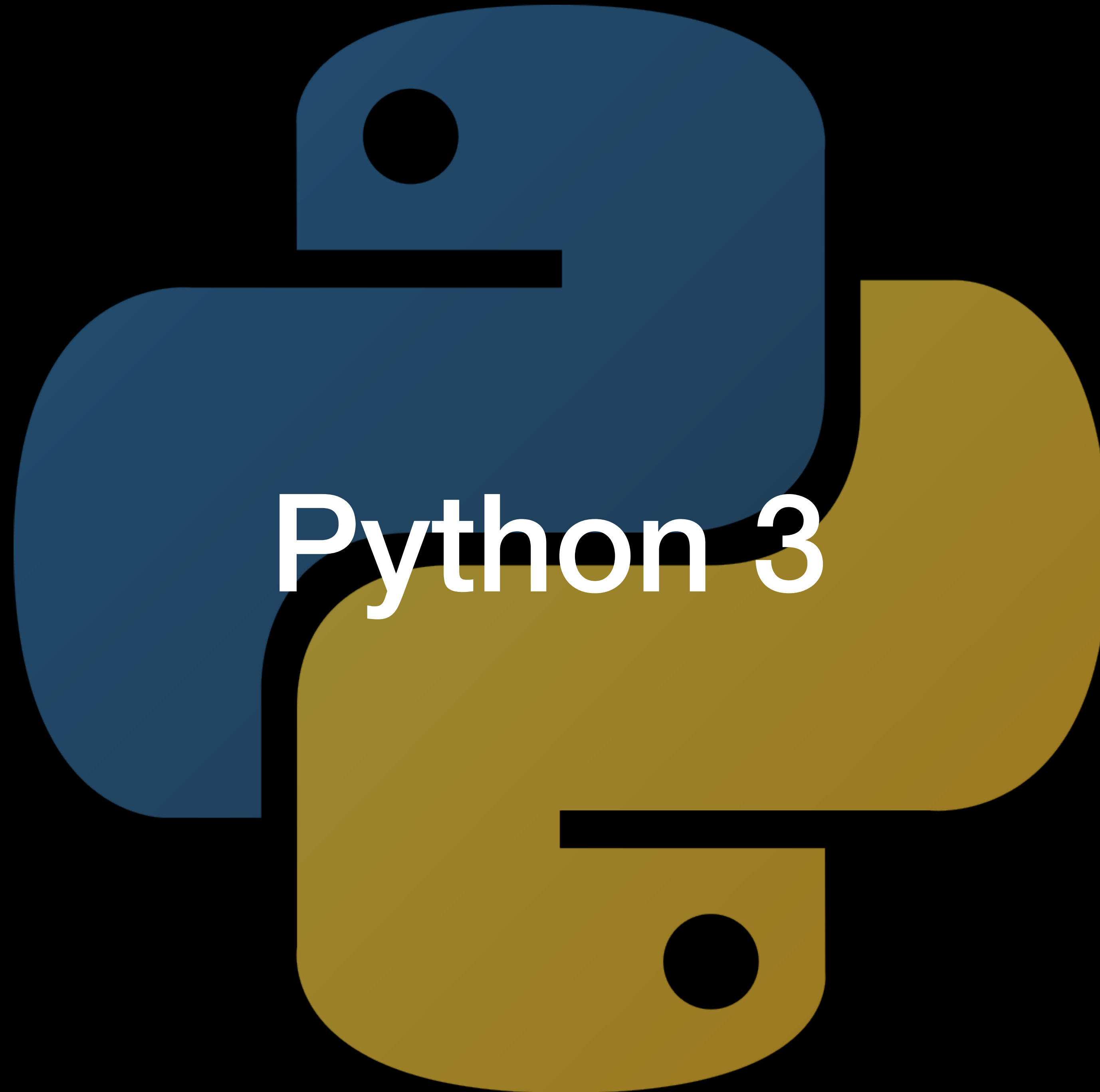
ADDITIONS:

- Preferences can now be provided from an external file using `--prefs` . The input file can be either in JSON or plist format, and will be treated identically to preferences from macOS. ([7ae2f55](#))

IMPROVEMENTS:

- Several unit tests have been added for some core AutoPkg functionality, and certain processors.
- All occurrences of `print()` in the core autopkg script were replaced with `log` and `log_err` ([8300b80](#))
- The groundwork has been laid for running AutoPkg on alternative platforms.
- AutoPkg now uses a pre-commit hook that enforces the use of black, isort, and flake8 to ensure code quality. This includes a new CONTRIBUTING guide (<https://github.com/autopkg/autopkg/blob/master/CONTRIBUTING.md>)

What's in AutoPkg's future?



Python 2 EOL Jan 2020

Scripting Language Runtimes

Deprecations

- Scripting language runtimes such as Python, Ruby, and Perl are included in macOS for compatibility with legacy software. Future versions of macOS won't include scripting language runtimes by default, and might require you to install additional packages. If your software depends on scripting languages, it's recommended that you bundle the runtime within the app. (49764202)
- Use of Python 2.7 isn't recommended as this version is included in macOS for compatibility with legacy software. Future versions of macOS won't include Python 2.7. Instead, it's recommended that you run `python3` from within Terminal. (51097165)

Windows support?



The AutoPkg community

The future of AutoPkg...
is in *your* hands.

Thank you!

Thank you!





[https://managingosx.wordpress.com/
2019/10/02/autopkg-2020-
macsysadmin-2019-links/](https://managingosx.wordpress.com/2019/10/02/autopkg-2020-macsysadmin-2019-links/)