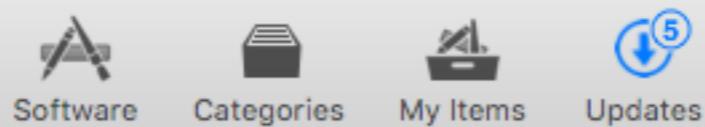


Advanced Munki



Managed Software Center



Search

5 pending updates

UPDATE ALL

**Mozilla Firefox**
Mozilla
Version 43.0.4

Mozilla Firefox is a free and open source web browser.

**VLC**
VideoLAN
Version 2.2.1

VLC is a powerful media player, playing most of the media codecs and video formats out there.

**Adobe Flash Player**
Adobe
Version 20.0.0.286

Adobe® Flash® Player is a cross-platform browser-based application runtime that delivers uncompromised viewing of expressive applications, content, and videos across screens and browsers.

**Google Chrome**
Google
Version 47.0.2526.111

Google's web browser.

**Skype**
Microsoft
Version 7.19.0.407

Internet voice and video chat application



Managed Software Center

Software Categories My Items Updates

Search

Managed Software Center

Your source for software for your Mac.



All items



1Password
Utilities – AgileBits Inc.

[INSTALL](#)



Acorn 4

[INSTALL](#)



Adium

Communication – The A...

[INSTALL](#)



Adobe Flash Player
Internet – Adobe
Will be installed 

[CANCEL](#)



Adobe Reader
Productivity – Adobe

[INSTALL](#)



Adware Medic

Utilities – Thomas Reed

[INSTALL](#)



Airfoil
Media – Rogue Amoeba

[INSTALL](#)



Alfred 2
Utilities – Running with ...

[INSTALL](#)



Alinof Timer
Productivity – Alinof Sof...

[INSTALL](#)

Categories

[Communication](#)

[Developer](#)

[Developer Tools](#)

[Development](#)

[Drivers](#)

[Editors](#)

[Email](#)

[Graphics & Rendering](#)

[Internet](#)

[Mail Clients](#)

[Mathematics](#)

[Media](#)

[Media Players](#)

[Munki Tools](#)

[Network Utilities](#)

“silently in the background”

==

unattended_install

unattended_install

```
<key>name</key>
<string>GoogleChrome</string>
<key>unattended_install</key>
<true/>
<key>unattended_uninstall</key>
<false/>
<key>uninstall_method</key>
<string>remove_copied_items</string>
<key>uninstallable</key>
<true/>
<key>version</key>
<string>47.0.2526.111</string>
</dict>
</plist>
```

unattended_uninstall

```
<key>name</key>
<string>GoogleChrome</string>
<key>unattended_install</key>
<true/>
<key>unattended_uninstall</key>
<false/>
<key>uninstall_method</key>
<string>remove_copied_items</string>
<key>uninstallable</key>
<true/>
<key>version</key>
<string>47.0.2526.111</string>
</dict>
</plist>
```

blocking_applications

```
<key>installs</key>
<array>
    <dict>
        <key>CFBundleIdentifier</key>
        <string>com.google.Chrome</string>
        <key>CFBundleName</key>
        <string>Chrome</string>
        <key>CFBundleShortVersionString</key>
        <string>47.0.2526.111</string>
        <key>CFBundleVersion</key>
        <string>2526.111</string>
        <key>path</key>
        <string>/Applications/Google Chrome.app</string>
        <key>type</key>
        <string>application</string>
    </dict>
</array>
```

blocking_applications

```
<key>blocking_applications</key>
<array>
    <string>Adobe Reader.app</string>
    <string>Adobe Acrobat Pro.app</string>
</array>
<key>name</key>
<string>AdobeReaderUpdate</string>
```

Managed Software Center

Software Categories My Items Updates

Search

1 pending update

Google Chrome

Google

Version 47.0.2526.111

Conflicting applications running

You must quit the following applications before proceeding with installation or removal:

Google Chrome.app

OK UPDATE

Other available updates

 Evernote Version 6.0.13 Evernote makes it easy to remember things big and small from your everyday life using your computer, phone, tablet and the web. +

 fseventer Version 2.7.6 fseventer is a GUI application that: (1) observes filesystem changes using the same underlying API as Spotlight; (2) provides a graphical representation of the file activity; (3) can be used to determine what files are changed via software installation, preferences, etc; (4) requires admin privileges to run. +

 OmniGraffle Professional Omni Group Version 5.4.4 Need a diagram, process chart, quick page-layout, website wireframe or graphic design? OmniGraffle can help you make eye-popping graphic documents quickly by keeping lines connected to shapes even when they're moved, providing powerful styling tools, importing and exporting Microsoft Visio files, and magically organizing diagrams with just one click. Whether you n... More +

 Packages Version 1.1.2 Whenever you need to create an installation package or distribution for Mac OS X 10.5 or later, Packages is the powerful and flexible solution you're looking for. +

 Microsoft Silverlight Silverlight is a free plug-in, powered by the .NET framework and compatible with multiple browsers, +

unattended_install

- blocking_applications may block these indefinitely
- Can't use them if logout or restart is required

force_install_after_date





force_install_after_date

```
<key>force_install_after_date</key>
<date>2016-02-12T12:00:00Z</date>
```

Managed Software Center

Software Categories My Items Updates

Search

2 pending updates One or more items must be installed by January 26, 2016 at 12:00 PM

UPDATE ALL

 **Adobe Acrobat Reader DC**
Adobe
Version 15.010.20056

This item must be installed by January 26, 2016 at 12:00 PM

More powerful than other PDF software, Adobe Acrobat Reader DC is the free, trusted standard for viewing, printing, and annotating PDFs. And now, it's connected to Adobe Document Cloud — so it's easier... [More](#)

 **Google Chrome**
Google
Version 47.0.2526.111

Google's web browser.

Software | Categories | Updates

Managed Software Center



Software



Categories



My Items



Updates

Search

2 pending updates **One or more items**



Adobe Acrobat Reader DC

Adobe

Version 15.010.20056



Forced Logout for Mandatory Install

A logout will be forced at approximately January 26, 2016 at 12:00 PM.

All pending updates will be installed. Unsaved work will be lost.

You may avoid the forced logout by logging out now.

[Log out and update now](#)

[OK](#)

[UPDATE ALL](#)



Google Chrome

Google

Version 47.0.2526.111

Google's web browser.

[Software](#) | [Categories](#) | [Updates](#)

Managed Software Center



Software



Categories



My Items



Updates

Search

2 pending updates One or more items



Adobe Acrobat Reader DC

Adobe

Version 15.010.20056



Forced Logout for Mandatory Install

A logout will be forced in less than 45 minutes.
All pending updates will be installed. Unsaved work
will be lost.

You may avoid the forced logout by logging out now.

[Log out and update now](#)

[OK](#)

[UPDATE ALL](#)



Google Chrome

Google

Version 47.0.2526.111

Google's web browser.

[Software](#) | [Categories](#) | [Updates](#)

Managed Software Center



Search

2 pending updates One or more items



Adobe Acrobat Reader DC

Adobe

Version 15.010.20056



Forced Logout for Mandatory Install

A logout will be forced in less than 30 minutes.
All pending updates will be installed. Unsaved work
will be lost.

You may avoid the forced logout by logging out now.

[Log out and update now](#)

[OK](#)

[UPDATE ALL](#)



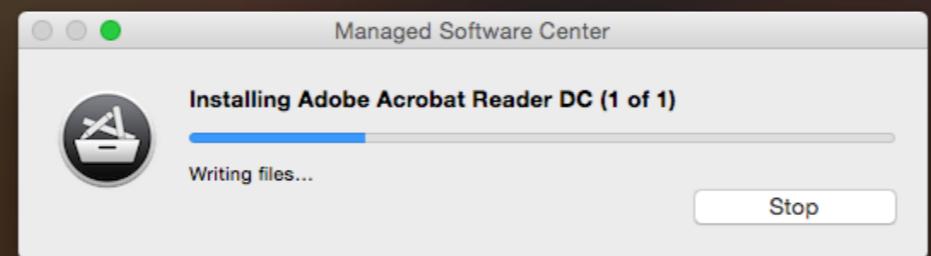
Google Chrome

Google

Version 47.0.2526.111

Google's web browser.

[Software](#) | [Categories](#) | [Updates](#)



Name
Enter Password

⊖ Sleep ⊖ Restart ⊖ Shut Down

unattended_install

force_install_after_date



Apple Update Metadata



Software Update

OFF

[Settings](#) [Updates](#)

Automatically download new updates

Name	Version	Date	Size	Status
Mac EFI Security Update 2015-002	1.0	10/21/15	85.66 MB	Available ▾
Canon Laser Printer Software Update	3.1	11/03/15	76.01 MB	Available ▾
Photo Content Catalogs	46.0.0.0	11/05/15	142.66 KB	Available ▾
Photo Content Themes	46.0.0.0	11/05/15	509.22 MB	Available ▾
Command Line Tools (OS X 10.10) for Xcode	7.2	12/08/15	164.5 MB	Available ▾
Apple Directory	4.7.5	12/09/15	17.28 MB	Available ▾
iTunes	12.3.2	12/11/15	190.83 MB	Available ▾
iTunes	12.3.2	12/11/15	247.12 MB	Available ▾
AppleConnect	2.9	12/23/15	16.1 MB	Available ▾
Gatekeeper Configuration Data	86	01/15/16	3.53 MB	Available ▾
Safari	9.0.3	01/19/16	85.43 MB	Available ▾
Safari	9.0.3	01/19/16	62.69 MB	Available ▾
XProtectPlistConfigData	1.0	01/20/16	15.66 KB	Available ▾
Security Update 2016-001	10.10.5	01/26/16	368.31 MB	Available ▾
Security Update 2016-001	10.9.5	01/26/16	288.28 MB	Available ▾
Mac App Store Update for OS X Snow Leopard	1.0	01/27/16	3.43 MB	Available ▾
Lexmark Printer Software Update	3.1	01/27/16	219.68 MB	Available ▾
EPSON Printer Software Update	3.2	01/27/16	1.32 GB	Available ▾
Ricoh Printer Software Update	3.0	01/27/16	35.46 MB	Available ▾
Gestetner Printer Software Update	3.0	01/27/16	16.31 MB	Available ▾
Infotec Printer Software Update	3.0	01/27/16	14.81 MB	Available ▾
Lanier Printer Software Update	3.0	01/27/16	19.7 MB	Available ▾
NRG Printer Software Update	3.0	01/27/16	19.24 MB	Available ▾
Savin Printer Software Update	3.0	01/27/16	18.92 MB	Available ▾
Xerox Printer Software Update	4.0	01/27/16	74.85 MB	Available ▾
Photo Content Themes	48.0.0.0	01/28/16	1.3 GB	Available ▾
Photo Content Catalogs	48.0.0.0	01/28/16	138.58 KB	Available ▾



1024 updates

Search



S



Security Update 2016-001 10.10.5

Released: 01/26/2016 9:56 AM - 351.25 MB

Name
Mac

Call

Phone

Phone

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iTun

Ap

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Sat

XP

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OFF

Update Summary

Security Update 2016-001 is recommended for all users and improves the security of OS X.

For more information on the security content of this update see <http://support.apple.com/kb/HT1222>.

Product ID: 031-46039

Status: Available



Cancel

OK



1024 updates

Q Search

031-48509	XProtectPlistConfigData	1.0	2016-01-20	['release', 'testing']
031-48511	XProtectPlistConfigData	1.0	2016-01-20	['release', 'testing']
031-49578	Chinese Word List Update	4.8	2016-01-26	['release', 'testing']
031-46039	Security Update 2016-001	10.10.5	2016-01-26	['release', 'testing']
zzz031-46044	Security Update 2016-001	10.9.5	2016-01-26	['release', 'testing']
031-48296	OS X El Capitan Update	10.11.3	2016-01-26	['release', 'testing']
031-48300	OS X El Capitan Update	10.11.3	2016-01-26	['release', 'testing']
031-46502	Mac App Store Update for OS X Snow Leopard	1.0	2016-01-27	['testing']
031-40963	Lexmark Printer Software Update	3.1	2016-01-27	['testing']
031-25201	EPSON Printer Software Update	3.2	2016-01-27	['testing']
031-07834	Ricoh Printer Software Update	3.0	2016-01-27	['testing']
031-07836	Gestetner Printer Software Update	3.0	2016-01-27	['testing']
031-07842	Infotec Printer Software Update	3.0	2016-01-27	['testing']
031-07844	Lanier Printer Software Update	3.0	2016-01-27	['testing']
031-07846	NRG Printer Software Update	3.0	2016-01-27	['testing']
031-07848	Savin Printer Software Update	3.0	2016-01-27	['testing']
031-44119	Xerox Printer Software Update	4.0	2016-01-27	['testing']
031-45718	Photo Content Catalogs	48.0.0.0	2016-01-28	['testing']
031-45717	Photo Content Themes	48.0.0.0	2016-01-28	['testing']

```
$ munkiimport --apple-update zzz031-46044 --force_install_after_date 2016-02-25T12:00:00Z
```

Item name: zzz031-46044

Display name: Security Update 2016-001

Description:

Version: 10.9.5

Category:

Developer:

Catalogs: testing

Import this item? [y/n]

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.c
<plist version="1.0">
<dict>
    <key>catalogs</key>
    <array>
        <string>testing</string>
    </array>
    <key>force_install_after_date</key>
    <date>2015-02-25T12:00:00Z</date>
    <key>installer_type</key>
    <string>apple_update_metadata</string>
    <key>name</key>
    <string>zzz031-46044</string>
    <key>version</key>
    <string>10.9.5</string>
</dict>
</plist>
```

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.c
<plist version="1.0">
<dict>
    <key>catalogs</key>
    <array>
        <string>testing</string>
    </array>
    <key>force_install_after_date</key>
    <date>2015-02-25T12:00:00Z</date>
    <key>installer_type</key>
    <string>apple_update_metadata</string>
    <key>name</key>
    <string>zzz031-46044</string>
    <key>version</key>
    <string>10.9.5</string>
</dict>
</plist>
```

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.c
<plist version="1.0">
<dict>
    <key>catalogs</key>
    <array>
        <string>testing</string>
    </array>
    <key>force_install_after_date</key>
    <date>2015-02-25T12:00:00Z</date>
    <key>installer_type</key>
    <string>apple_update_metadata</string>
    <key>name</key>
    <string>zzz031-46044</string>
    <key>version</key>
    <string>10.9.5</string>
</dict>
</plist>
```

[https://github.com/munki/munki/wiki/
Pkginfo-For-Apple-Software-Updates](https://github.com/munki/munki/wiki/Pkginfo-For-Apple-Software-Updates)

Supported additional metadata keys

- blocking_applications
- description
- display_name
- force_install_after_date
- unattended_install
- RestartAction

Apple Update Metadata

- New Munki preference:

`UnattendedAppleUpdates`

UnattendedAppleUpdates

If set on OS X 10.10+, Apple updates that:

Don't have blocking applications, or

No blocking application is running, and

Don't require a restart or logout

...will be installed in the background

```
<plist version="1.0">
<dict>
    <key>catalogs</key>
    <array>
        <string>production</string>
    </array>
    <key>managed_installs</key>
    <array>
        <string>Firefox</string>
        <string>GoogleChrome</string>
    </array>
</dict>
</plist>
```

```
<plist version="1.0">
<dict>
    <key>catalogs</key>
    <array>
        <string>production</string>
    </array>
    <key>conditional_items</key>
    <array>
        <dict>
            <...>
        </dict>
    </array>
    <key>managed_installs</key>
    <array>
        <string>Firefox</string>
        <string>GoogleChrome</string>
```

```
<dict>
    <key>condition</key>
    <string>machine_type == "laptop"</string>
    <key>managed_installs</key>
    <array>
        <string>CrashPlanPROclient</string>
    </array>
</dict>
```

```
<dict>
    <key>condition</key>
    <string>os_vers_minor &gt; 9</string>
    <key>managed_installs</key>
    <array>
        <string>Office2013</string>
    </array>
    <key>managed_uninstalls</key>
    <array>
        <string>Office2011</string>
    </array>
</dict>
```

Attribute	Example comparison
hostname	hostname == "LobbyiMac"
arch	arch == "x86_64"
os_vers	os_vers BEGINSWITH "10.7"
os_vers_major	os_vers_major == 10
os_vers_minor	os_vers_minor < 7
os_vers_patch	os_vers_patch >= 2
machine_model	machine_model == "iMac4,1"
machine_type	machine_type == "laptop"
catalogs	catalogs CONTAINS "testing"
ipv4_addresses	ANY ipv4_address CONTAINS '192.168.161.'
munki_version	munki_version LIKE '*0.8.3*'
serial_number	serial_number == "W9999999U2P"
date	date > CAST("2013-01-02T00:00:00Z", "NSDate")

<https://github.com/munki/munki/wiki/Conditional-Items>

Not enough attributes?

Make your own!

Admin-provided conditions

<https://github.com/munki/munki/wiki/Conditional-Items#admin-provided-conditions>

Customizing installs



Rereading
considered harmful

Customizing installs

- preinstall_script
- postinstall_script
- update_for



```
function MoveReaderToTrash {  
  
    newReaderApp=$readerApp  
    while [ 1 ]  
    do  
        if [ -e ~/.Trash/"$newReaderApp" ]  
        then  
            echo "$newReaderApp exists in Trash. Retrying with a new name."  
            sleep 1  
            time_to_be_attached=`date "+%k-%M-%S" `  
            newReaderApp="Adobe Reader""$time_to_be_attached"".app"  
        else  
            echo "Moving existing $readerApp to Trash as $newReaderApp"  
            mv "$installation_path/$readerApp" ~/.Trash/"$newReaderApp"  
            if [ $? -ne 0 ]  
            then  
                echo "ERROR: Could not move existing $readerApp to Trash."  
                exit -1  
            else  
                exit 0  
            fi  
        fi  
    done  
}
```

preinstall_script

```
<key>name</key>
<string>AdobeReaderX</string>
<key>preinstall_script</key>
<string>#!/bin/sh
if [ -e "/Applications/Adobe Reader.app" ]; then
    rm -r "/Applications/Adobe Reader.app"
fi
exit 0
</string>
```

```
function MoveReaderToTrash {  
  
    newReaderApp=$readerApp  
    while [ 1 ]  
    do  
        if [ -e ~/.Trash/"$newReaderApp" ]  
        then  
            echo "$newReaderApp exists in Trash. Retrying with a new name."  
            sleep 1  
            time_to_be_attached=`date "+%k-%M-%S" `  
            newReaderApp="Adobe Reader""$time_to_be_attached"".app"  
        else  
            echo "Moving existing $readerApp to Trash as $newReaderApp"  
            mv "$installation_path/$readerApp" ~/.Trash/"$newReaderApp"  
            if [ $? -ne 0 ]  
            then  
                echo "ERROR: Could not move existing $readerApp to Trash."  
                exit -1  
            else  
                exit 0  
            fi  
        fi  
    done  
}
```

```
function MoveReaderToTrash {  
  
    newReaderApp=$readerApp  
    while [ 1 ]  
    do  
        if [ -e ~/.Trash/"$newReaderApp" ]  
        then  
            echo "$newReaderApp exists in Trash. Retrying with a new name."  
            sleep 1  
            time_to_be_attached=`date "+%k-%M-%S" `  
            newReaderApp="Adobe Reader""$time_to_be_attached"".app"  
        else  
            echo "Moving existing $readerApp to Trash as $newReaderApp"  
            mv "$installation_path/$readerApp" ~/.Trash/"$newReaderApp"  
            if [ $? -ne 0 ]  
            then  
                echo "ERROR: Could not move existing $readerApp to Trash."  
                exit -1  
            else  
                exit 0  
            fi  
        fi  
    done  
}
```

```
function MoveReaderToTrash {  
  
    newReaderApp=$readerApp  
    while [ 1 ]  
    do  
        if [ -e ~/.Trash/"$newReaderApp" ]  
        then  
            echo "$newReaderApp exists in Trash. Retrying with a new name."  
            sleep 1  
            time_to_be_attached=`date "+%k-%M-%S" `  
            newReaderApp="Adobe Reader""$time_to_be_attached"".app"  
        else  
            echo "Moving existing $readerApp to Trash as $newReaderApp"  
            mv "$installation_path/$readerApp" ~/.Trash/"$newReaderApp"  
            if [ $? -ne 0 ]  
            then  
                echo "ERROR: Could not move existing $readerApp to Trash."  
                exit 0      #ashkuma: allowing installation to proceed even if MoveToTrash fails.  
            else  
                exit 0  
            fi  
        fi  
    done  
}
```

preinstall_script

```
<key>name</key>
<string>AdobeReaderDC</string>
<key>preinstall_script</key>
<string>#!/bin/sh
if [ -e "/Applications/Adobe Acrobat Reader DC.app" ]; then
    rm -r "/Applications/Adobe Acrobat Reader DC.app"
fi
exit 0
</string>
```



postinstall_script

```
<key>name</key>
<string>Xcode_7</string>
<key>postinstall_script</key>
<string>#!/bin/sh
# make sure all users on this machine are members of the _developer group
/usr/sbin/dseditgroup -o edit -a everyone -t group _developer
# enable developer mode
/usr/sbin/DevToolsSecurity -enable
# accept Xcode license
/Applications/Xcode.app/Contents/Developer/usr/bin/xcodebuild -license accept
# install embedded packages
for PKG in `bin/ls /Applications/Xcode.app/Contents/Resources/Packages/*.pkg` ; do
    /usr/sbin/installer -pkg "$PKG" -target /
done
</string>
```

update_for

```
<key>name</key>
<string>OmniGrafflePro5Licenses</string>
<key>update_for</key>
<array>
    <string>OmniGrafflePro</string>
</array>
```

Managed Software Center

Software Categories My Items Updates

Search

2 pending updates

OmniGraffle Professional
OmniGraffle Professional
OmniGraffle Professional
Version 5.4.4

Need a diagram, process chart, quick page-layout, website wireframe or graphic design? OmniGraffle can help you make eye-popping graphic documents quickly by keeping lines connected to shapes even when they're moved, providing powerful styling tools, importing and exporting Microsoft Visio files, and magically organizing diagrams with just one click. Whether you need a quick sketch or an epic technical figure... [More](#)

OmniGrafflePro 5 Licenses
OmniGrafflePro 5 Licenses
OmniGrafflePro 5 Licenses
Version 1.1

Disney Animation licenses for OmniGraffle Pro.

Other available updates

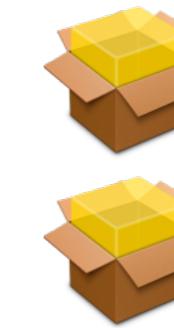
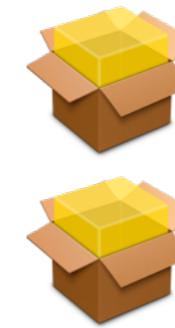
Xcode 7
Xcode 7
Xcode 7
Apple
Version 7.2.1

Development tools for Mac OS X and iOS. Xcode 7 is for OS X Yosemite and El Capitan.

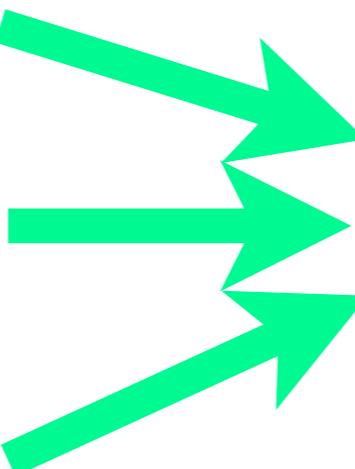
Software | DA Web | Updates

Bootstrapping

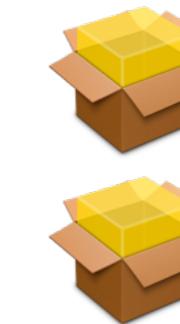
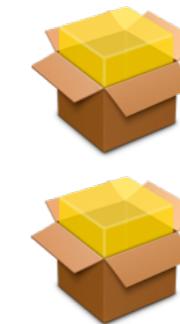
Modular imaging



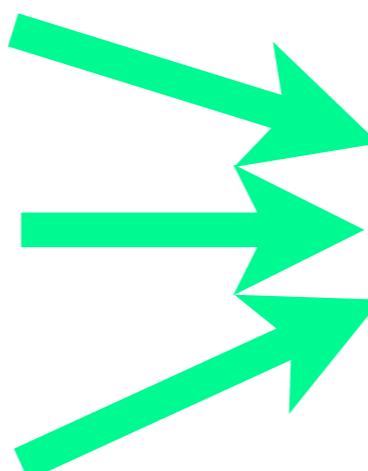
Maintaining machines



Thin imaging

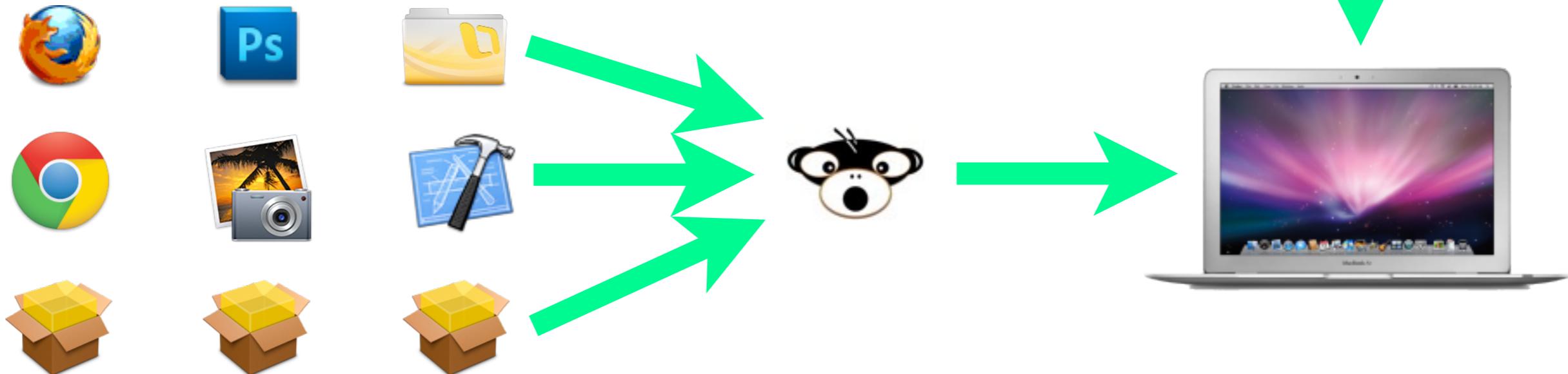


Maintaining machines



No imaging

Maintaining machines



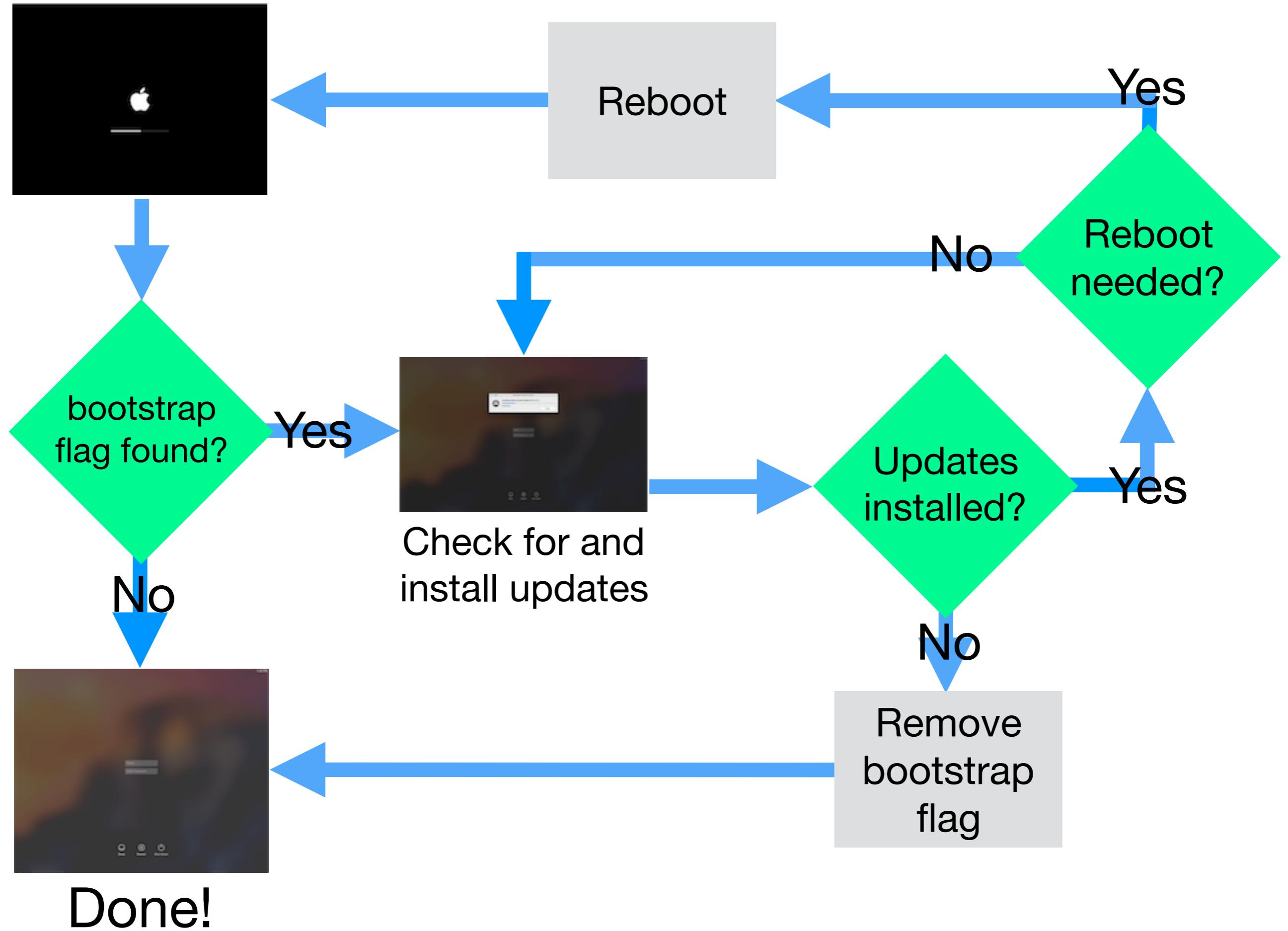
Munki Bootstrap

- Make Munki run at first boot, and keep running until all updates are applied

/Users/Shared/.com.googlecode.munki.checkandinstallatstartup

Munki bootstrap sequence





Name

Enter Password



Sleep



Restart



Shut Down

DeployStudio Admin connected to x: 192.168.1.100.com

WARNIN
97:36

Runtime Control Logs Search

ACTIVITY 3

COMPUTERS 1560

WORKFLOWS 17

MASTERS 13

PACKAGES 30

SCRIPTS 10

Title	Description	Identifier	Access group	Publish
Backup user data	Select a volume; backs...	101005142617	-	<input checked="" type="checkbox"/>
Backup, reimagine to Snow Leopard, restore	Select a volume; backs...	100112103141	admin	<input checked="" type="checkbox"/>
Create a master from a volume	This simple workflow en...	040622200000	admin	<input checked="" type="checkbox"/>
Install a package (pkg)	This simple workflow en...	040622200020	-	<input checked="" type="checkbox"/>
Install Bootstrap packages (no image)	Install Munki bootstrapping	4DE59EB6-40B3-4080-9324-459EB41DCD03	-	<input checked="" type="checkbox"/>
Install Mavericks 10.9.5 Disney	Installs OS X Mavericks	B2B5B81D-DFC7-41AB-BD9F-2F2B59EF619A	-	<input checked="" type="checkbox"/>
Install Mountain Lion 10.8.2 Disney	Installs Mountain Lion 1...	43232E62-205E-4DOC-92A2-28B86DC8D618	admin	<input checked="" type="checkbox"/>
Install Mountain Lion 10.8.3 Avid	Installs Mountain Lion 1...	6BB38F4B-32C7-455D-87B2-AF388BB1C7E9	-	<input checked="" type="checkbox"/>
Install Mountain Lion 10.8.3 Disney	Installs Mountain Lion 1...	441C33A0-BDEB-43AA-BB16-CA487BC12938	admin	<input checked="" type="checkbox"/>
Install Mountain Lion 10.8.5 Disney	Installs Mountain Lion 1...	7304C330-84E6-44FB-BCE0-EC896F62F62F	-	<input checked="" type="checkbox"/>
Install Yosemite 10.10.3 Disney	Installs OS X Yosemite	F75DA5F4-8B75-4621-B811-3F224E9D6435	-	<input checked="" type="checkbox"/>

Package install

Target volume: User selection

Package: DA_adminaccount.pkg

Postponed installation (packages will be installed on first boot)
 Ignore install failures
 Automate

+ - ↻ + - ↻ Revert Save

DeployStudio Admin connected to x: 192.168.1.100.com

WARNIN
97:36

Runtime Control Logs Search

ACTIVITY COMPUTERS WORKFLOWS MASTERS PACKAGES SCRIPTS

	Title	Description	Identifier	Access group	Publish
3	Backup user data	Select a volume; backs...	101005142617	-	✓
1560	Backup, reimagine to Snow Leopard, restore	Select a volume; backs...	100112103141	admin	✓
17	Create a master from a volume	This simple workflow en...	040622200000	admin	✓
13	Install a package (pkg)	This simple workflow en...	040622200020	-	✓
30	Install Bootstrap packages (no image)	Install Munki bootstrapping	4DE59EB6-40B3-4080-9324-459EB41DCD03	-	✓
10	Install Mavericks 10.9.5 Disney	Installs OS X Mavericks	B2B5B81D-DFC7-41AB-BD9F-2F2B59EF619A	-	✓
	Install Mountain Lion 10.8.2 Disney	Installs Mountain Lion 1...	43232E62-205E-4DOC-92A2-28B86DC8D618	admin	✓
	Install Mountain Lion 10.8.3 Avid	Installs Mountain Lion 1...	6BB38F4B-32C7-455D-87B2-AF388BB1C7E9	-	✓
	Install Mountain Lion 10.8.3 Disney	Installs Mountain Lion 1...	441C33A0-BDEB-43AA-BB16-CA487BC12938	admin	✓
	Install Mountain Lion 10.8.5 Disney	Installs Mountain Lion 1...	7304C330-84E6-44FB-BCE0-EC896F62F62F	-	✓
	Install Yosemite 10.10.3 Disney	Installs OS X Yosemite	F75DA5F4-8B75-4621-B811-3F224E9D6435	-	✓

Package install

Target volume: Previous task target

Package: DisableSetupAssistant.pkg

Postponed installation (packages will be installed on first boot)
 Ignore install failures

Automate

+ - ↻ + - ↻ Revert Save



Runtime

Control

Logs

Search

	Title	Description	Identifier	Access group	Publish
ACTIVITY	3				
COMPUTERS	1560	Backup user data	Select a volume; backs...	101005142617	-
WORKFLOWS	17	Backup, reimagine to Snow Leopard, restore	Select a volume; backs...	100112103141	admin
MASTERS	13	Create a master from a volume	This simple workflow en...	040622200000	admin
PACKAGES	30	Install a package (pkg)	This simple workflow en...	040622200020	-
SCRIPTS	10	Install Bootstrap packages (no image)	Install Munki bootstrapping	4DE59EB6-40B3-4080-9324-459EB41DCD03	-
		Install Mavericks 10.9.5 Disney	Installs OS X Mavericks	B2B5B81D-DFC7-41AB-BD9F-2F2B59EF619A	-
		Install Mountain Lion 10.8.2 Disney	Installs Mountain Lion 1...	43232E62-205E-4DOC-92A2-28B86DC8D618	admin
		Install Mountain Lion 10.8.3 Avid	Installs Mountain Lion 1...	6BB38F4B-32C7-455D-87B2-AF388BB1C7E9	-
		Install Mountain Lion 10.8.3 Disney	Installs Mountain Lion 1...	441C33A0-BDEB-43AA-BB16-CA487BC12938	admin
		Install Mountain Lion 10.8.5 Disney	Installs Mountain Lion 1...	7304C330-84E6-44FB-BCE0-EC896F62F62F	-
		Install Yosemite 10.10.3 Disney	Installs OS X Yosemite	F75DA5F4-8B75-4621-B811-3F224E9D6435	-



Package install

Target volume: Previous task target

Package: munkitools-2.2.4.2431.pkg

 Postponed installation (packages will be installed on first boot) Ignore install failures Automate

Revert

Save

DeployStudio Admin connected to x: 192.168.1.100.com

WARNIN
97:36

Runtime Control Logs Search

ACTIVITY 3

COMPUTERS 1560

WORKFLOWS 17

MASTERS 13

PACKAGES 30

SCRIPTS 10

Title	Description	Identifier	Access group	Publish
Backup user data	Select a volume; backs...	101005142617	-	<input checked="" type="checkbox"/>
Backup, reimagine to Snow Leopard, restore	Select a volume; backs...	100112103141	admin	<input checked="" type="checkbox"/>
Create a master from a volume	This simple workflow en...	040622200000	admin	<input checked="" type="checkbox"/>
Install a package (pkg)	This simple workflow en...	040622200020	-	<input checked="" type="checkbox"/>
Install Bootstrap packages (no image)	Install Munki bootstrapping	4DE59EB6-40B3-4080-9324-459EB41DCD03	-	<input checked="" type="checkbox"/>
Install Mavericks 10.9.5 Disney	Installs OS X Mavericks	B2B5B81D-DFC7-41AB-BD9F-2F2B59EF619A	-	<input checked="" type="checkbox"/>
Install Mountain Lion 10.8.2 Disney	Installs Mountain Lion 1...	43232E62-205E-4DOC-92A2-28B86DC8D618	admin	<input checked="" type="checkbox"/>
Install Mountain Lion 10.8.3 Avid	Installs Mountain Lion 1...	6BB38F4B-32C7-455D-87B2-AF388BB1C7E9	-	<input checked="" type="checkbox"/>
Install Mountain Lion 10.8.3 Disney	Installs Mountain Lion 1...	441C33A0-BDEB-43AA-BB16-CA487BC12938	admin	<input checked="" type="checkbox"/>
Install Mountain Lion 10.8.5 Disney	Installs Mountain Lion 1...	7304C330-84E6-44FB-BCE0-EC896F62F62F	-	<input checked="" type="checkbox"/>
Install Yosemite 10.10.3 Disney	Installs OS X Yosemite	F75DA5F4-8B75-4621-B811-3F224E9D6435	-	<input checked="" type="checkbox"/>

Package install

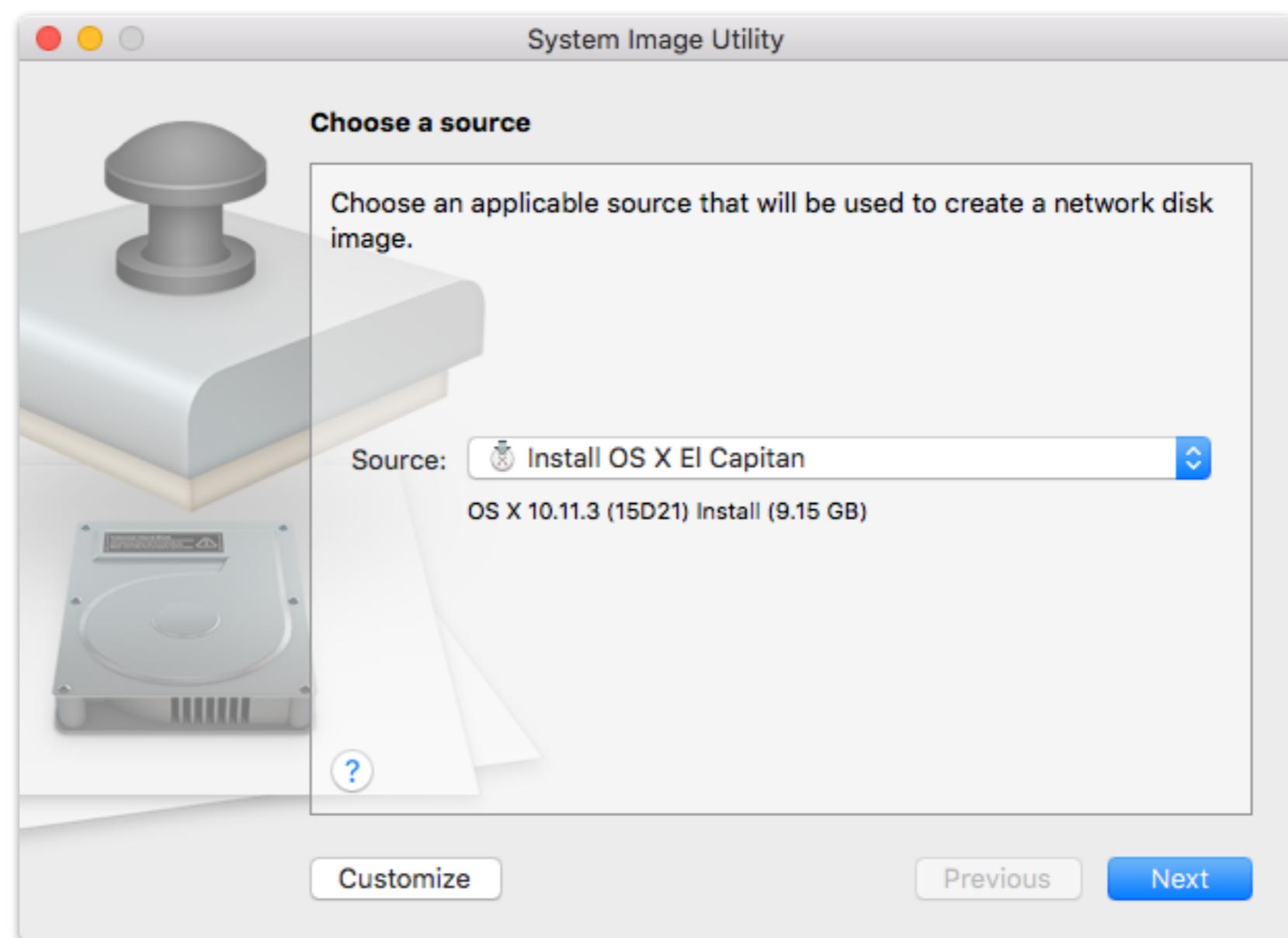
Target volume: Previous task target

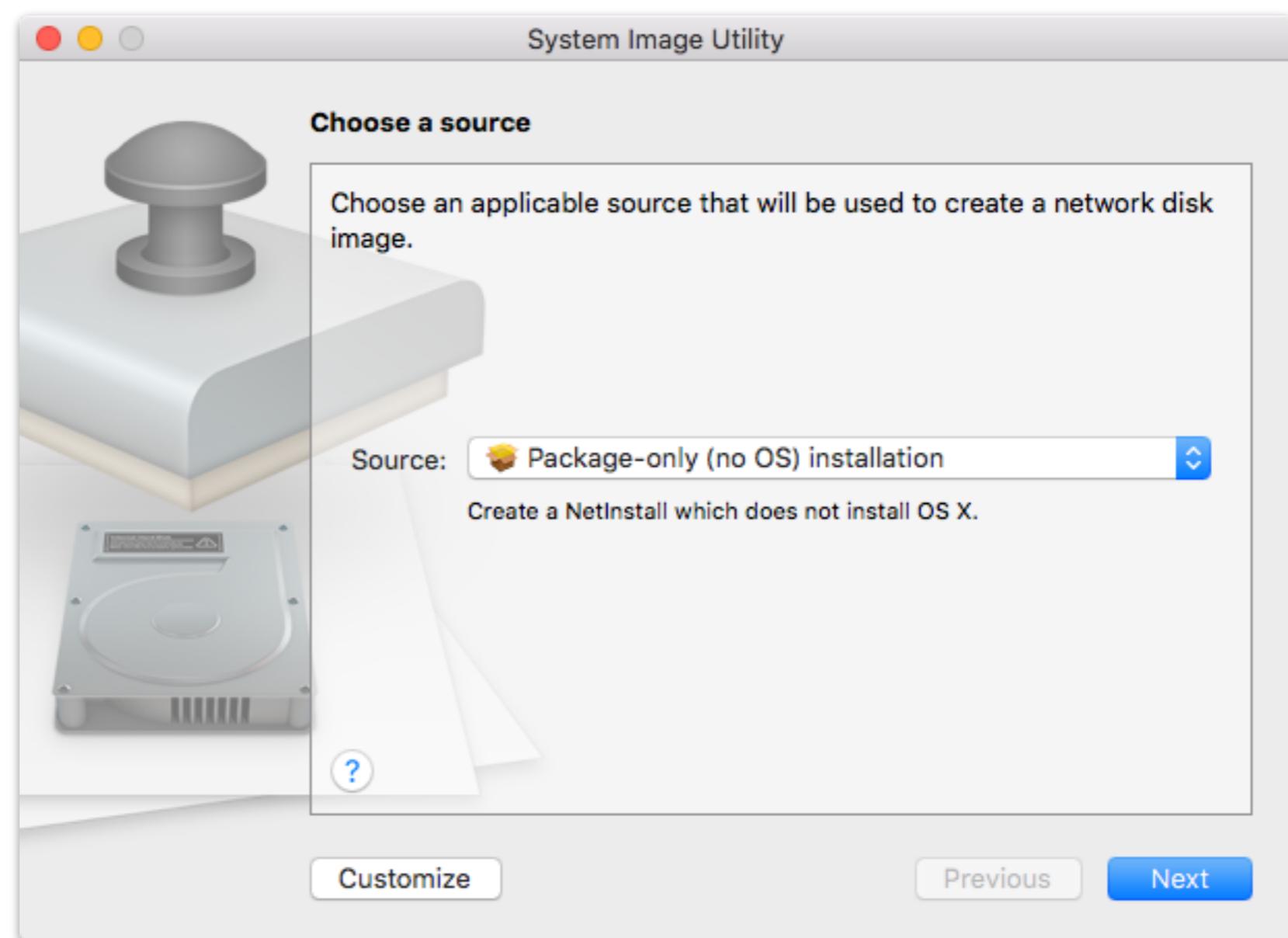
Package: munkitools-2.4.0.2561.pkg

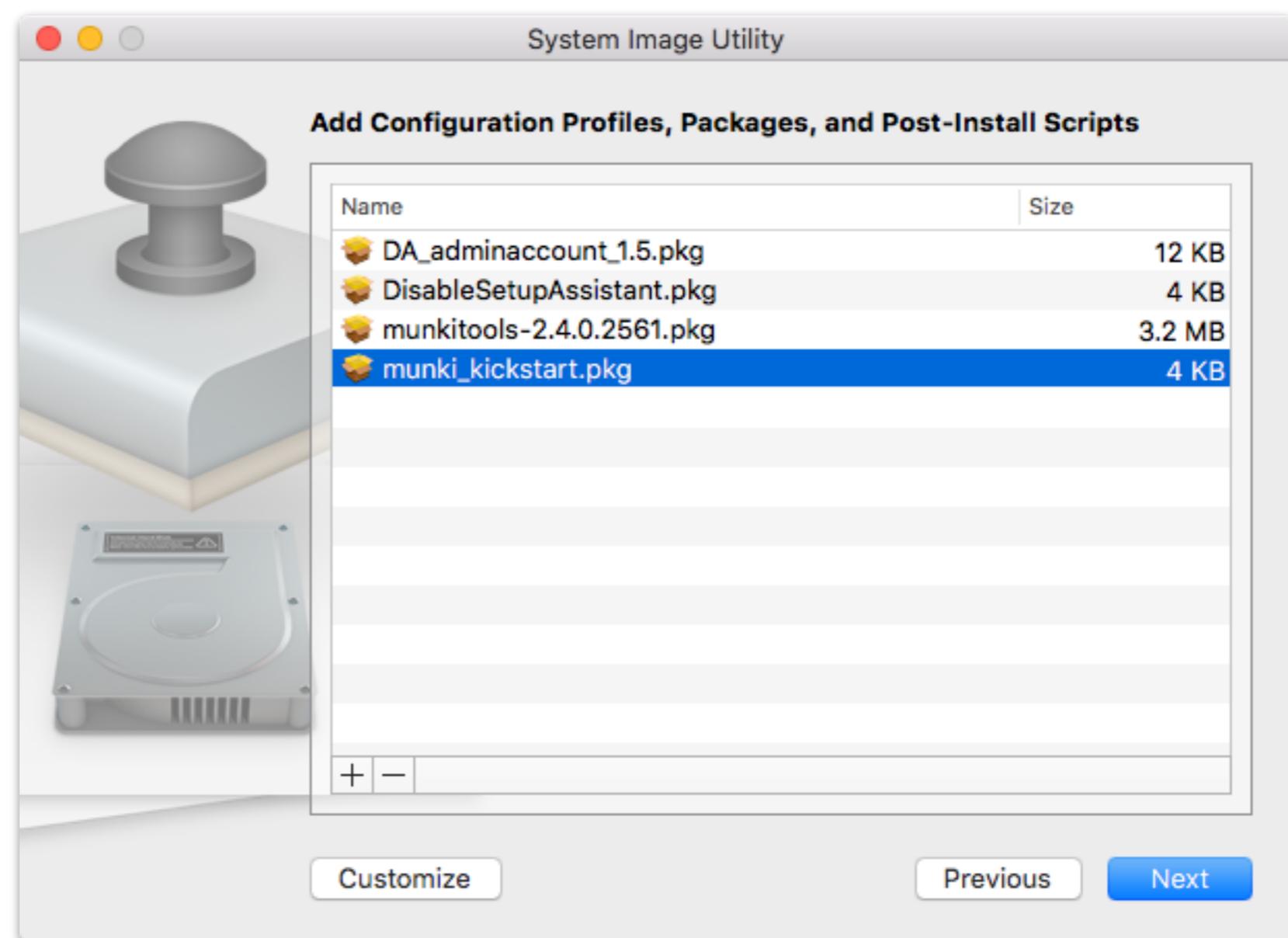
Postponed installation (packages will be installed on first boot)
 Ignore install failures

Automate

+ - ↻ + - ↻ Revert Save







Untitled — Edited

Record Step Stop Run

Actions Variables

Library Media

Actions

- Library
- Calendar
- Contacts
- Developer
- Documents
- Files & Folders
- Fonts
- Internet
- Mail
- Movies
- Music
- PDFs
- Photos
- Presentations
- System**
- Text
- Utilities
- Other
- Most Used
- Recently Added

Variables

Add Configuration Profiles
Add Packages and Post-Install Scripts
Add User Account
Apply System Configuration Settings
Bless NetBoot Image Folder
Bless NetBoot Server
Create Image
Create NetRestore Disk
Customize Package Selection
Define Image Source
Define Multi-Volume NetRestore
Define NetRestore Source
Enable Automated Installation
Filter Clients by MAC Address
Filter Computer Models
Partition Disk

Define Image Source

Source: Install OS X El Capitan

Add Packages and Post-Install Scripts

Name	Size
DA_adminaccount_1.5.pkg	12 KB
DisableSetupAssistant.pkg	4 KB
munkitools-2.4.0.2561.pkg	3.2 MB
munki_kickstart.pkg	4 KB

Create Image

Type: NetInstall
 NetBoot
 NetRestore Include OS X Recovery partition

Installed Volume:

Save To: gneagle

Image Name:

Network Disk: NetInstall of Install OS X El Capitan Image Index: 3273

Description: NetInstall of OS X 10.11.3 (15D21) Install (9.15 GB).

Add Packages and Post-Install Scripts

This action adds installer packages and post-install scripts to a Network Disk image.

Requires: An OS X install source.

Input: Network Disk image reference

Result: Network Disk image reference

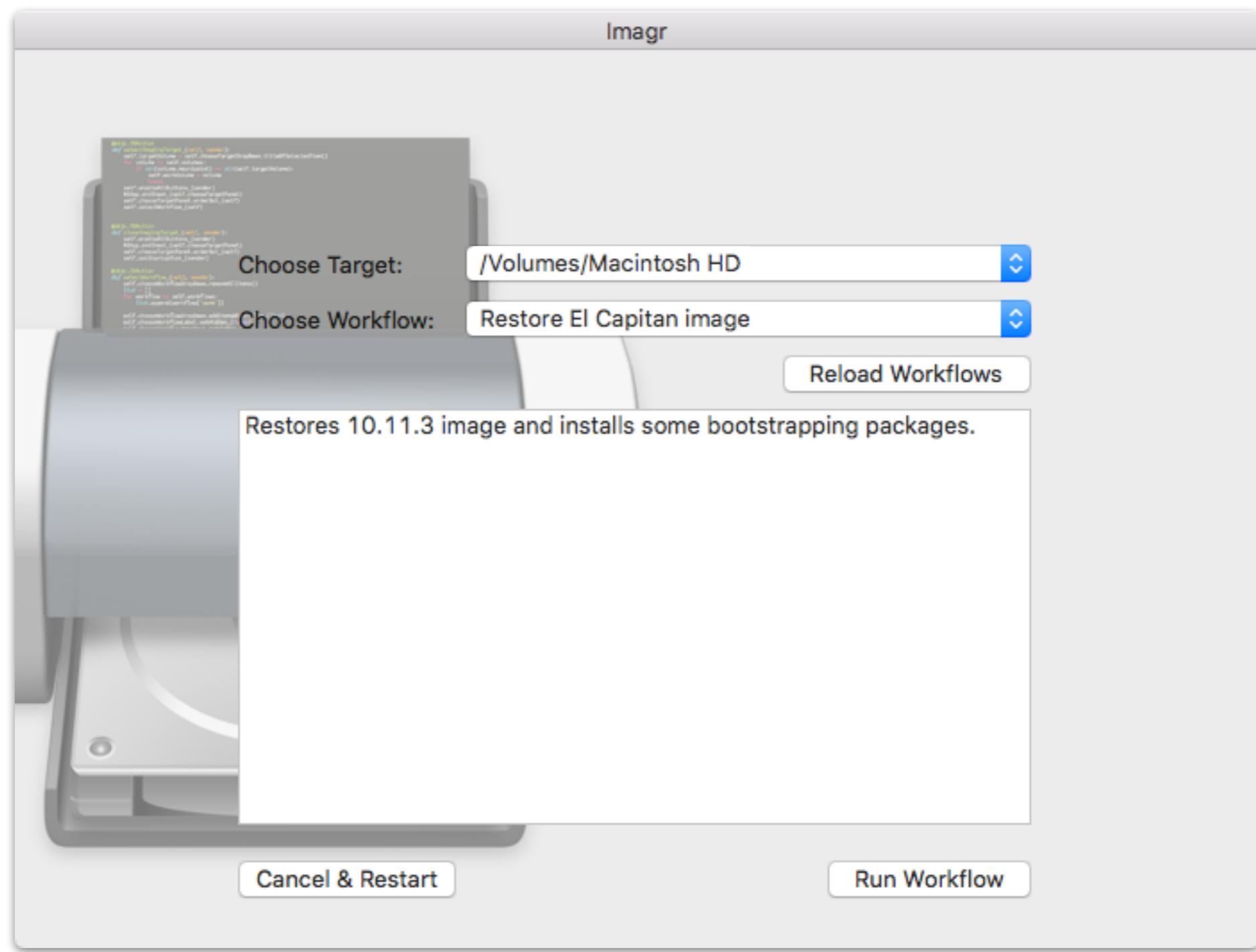
Related Actions: Create Image, Customize Package Selection, Define Image Source

Note: Only valid when the source volume is an OS X install source.

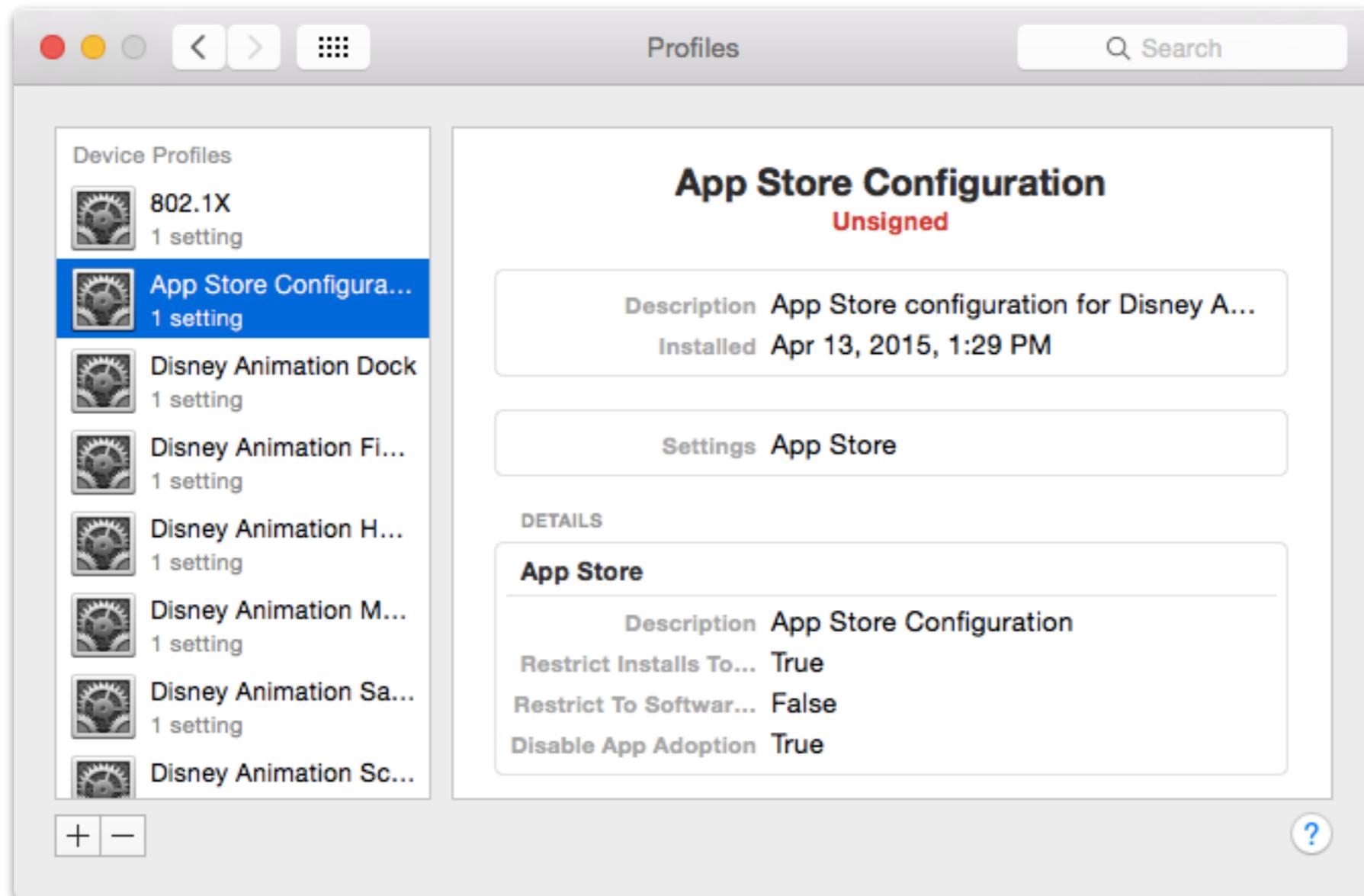
Version: 1.8

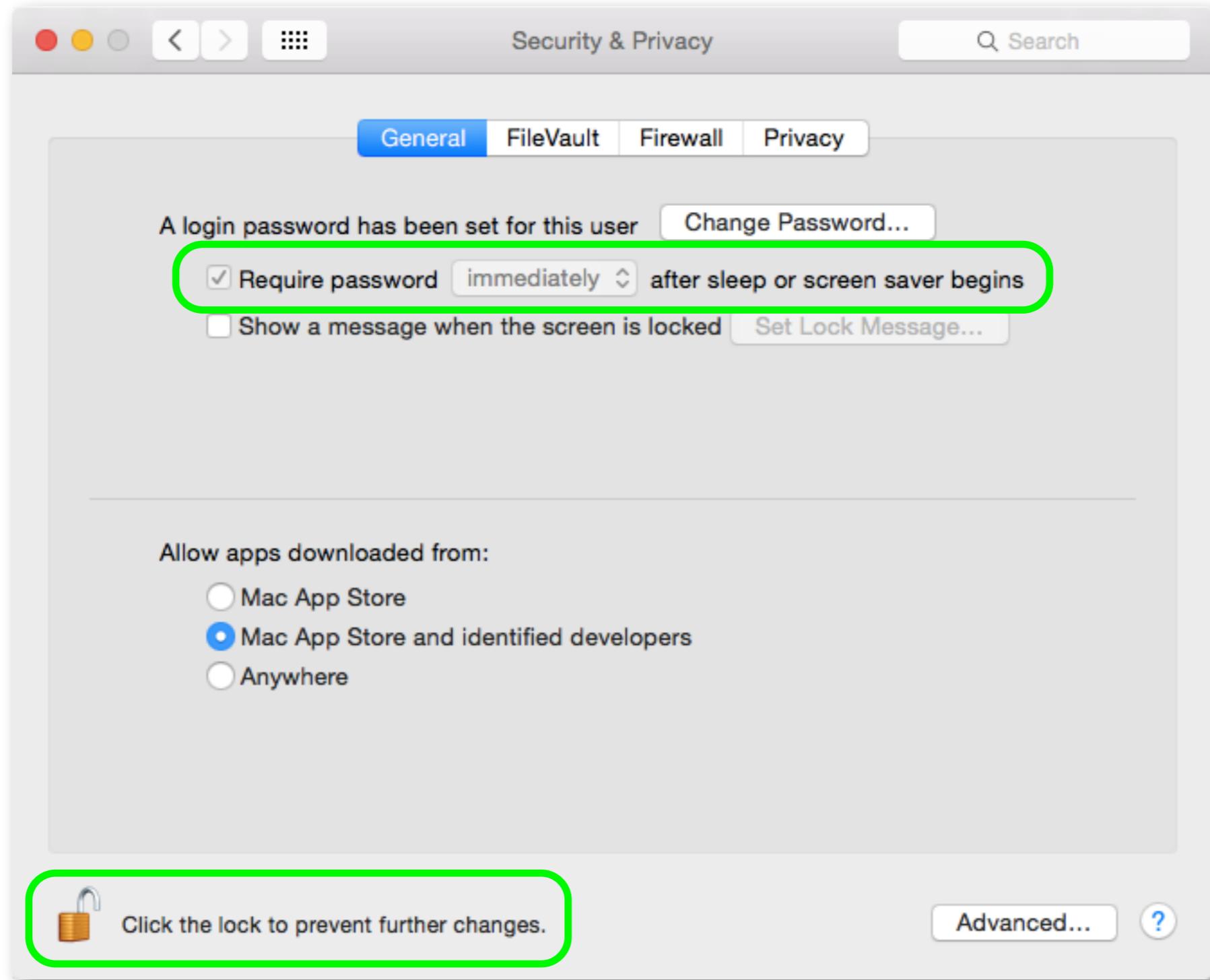
Copyright: © 2007-2015 Apple Inc. All Rights Reserved.





Configuration Profiles





Demo

On Demand Tasks

```
<key>OnDemand</key>
<true/>
```

- Only for optional_installs
- Always show as available for install

Demo

Customizing the GUI

Managed Software Center

Software Categories My Items Updates

Search

Managed Software Center

All items

1Password Utilities – AgileBits Inc. INSTALL	Adium Communication – The Adium Team Installed REMOVE	Adobe Acrobat Reader DC Uncategorized INSTALL
Adobe Flash Player Internet – Adobe Installed REMOVE	Adobe Reader Productivity – Adobe INSTALL	Alinof Timer Productivity – Alinof Software Sàrl INSTALL
Apache OpenOffice Productivity INSTALL	AppCode Uncategorized INSTALL	Arduino Developer – Arduino INSTALL
Atom Text Editors – GitHub, Inc. INSTALL	Audacity Uncategorized INSTALL	AutoDMG Uncategorized INSTALL
Bartender Uncategorized INSTALL	BBEdit Uncategorized INSTALL	Box Sync Cloud Storage – Box INSTALL
Caffeine INSTALL	Chicken INSTALL	Chocolat INSTALL

Categories

- Cloud Storage
- Communication
- Developer
- Drivers
- Internet
- Media
- Organization
- Productivity
- Remote Access
- Text Editors
- Uncategorized
- Utilities
- Virtualization

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 Sublime Text 2 Text Editors INSTALL	 Sublime Text 3 Text Editors INSTALL	 TeamViewer Internet - TeamViewer GmbH INSTALL
 TextExpander Uncategorized INSTALL	 TextMate 2 Uncategorized Update available UPDATE	 TextWrangler Productivity - Bare Bones Installed REMOVE
 The Unarchiver Utilities INSTALL	 ThinLinc Client Remote Access - Cendio INSTALL	 Transmit Uncategorized INSTALL
 UnityWebPlayer Uncategorized INSTALL	 Vagrant Virtualization - HashiCorp Update available UPDATE	 Vagrant Manager Uncategorized INSTALL
 VirtualBox Virtualization - Oracle INSTALL	 VLC Media - VideoLAN Installed REMOVE	 Wacom Tablet Drivers - Wacom INSTALL
 Wireshark 1.12.1 Intel 64 Uncategorized Installed REMOVE	 Xcode 5 Developer - Apple Installed REMOVE	 XQuartz Utilities Installed REMOVE

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Managed Software Center

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 Alinof Timer Productivity – Alinof Software Sàrl INSTALL	 Arduino Programming – Arduino INSTALL	 Atom Text Editors – GitHub, Inc. INSTALL
 Audacity Audio – The Audacity Team INSTALL	 AutoDMG Utilities – MagerValp INSTALL	 Bartender Utilities – Surtees Studios INSTALL
 BBEdit Text Editors – Bare Bones INSTALL	 Box Sync Internet and Cloud – Box INSTALL	 Caffeine Utilities – Lighthead Software INSTALL
 Chicken Remote Access INSTALL	 Chocolat Text Editors INSTALL	 Citrix Receiver Remote Access – Citrix INSTALL
 Coda Programming – Panic	 Coda 2 Programming – Panic	 Colloquy Communication

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Search Google
Search Bing

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Mac
OS X
Mac Apps

 University of
BRISTOL
Mac Software Centre



All items

 Adobe Creative Suite 6 Des... Productivity INSTALL	 Adobe Flash Player Plug-ins Installed REMOVE	 Adobe Reader Utilities Installed REMOVE
 AnalySeries Scientific INSTALL	 Canon Laser Printer Drivers Uncategorized INSTALL	 ChemBioDraw Scientific INSTALL
 Comsol44 Scientific - COMSOL INSTALL	 Dropbox Uncategorized Installed REMOVE	 ENVI 5.0 Scientific INSTALL
 GIMP Uncategorized Installed REMOVE	 Google Chrome Uncategorized Installed REMOVE	 HP Printer Drivers Uncategorized INSTALL
 iTerm2 Utilities - George Nachman INSTALL	 Junos Pulse UOB Tools Installed REMOVE	 MacTeX Productivity Installed REMOVE

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- [OS X](#)
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- [Plug-ins](#)
- [Productivity](#)
- [Programming](#)
- [Scientific](#)
- [UOB Tools](#)
- [Uncategorized](#)
- [Utilities](#)

Demo

<https://github.com/munki/munki/wiki/Client-Customization>