MAU, THE PEOPLE'S UPDATER

Microsoft AutoUpdate

AutoUpdate checks for update versions of your Microsoft software. For more information about AutoUpdate, see Help.

How would you like updates to be installed?

◉ Manually Check
○ Automatically Check
○ Automatically Download and Install

☐ Join the Office Insider program to get early access to new releases

Choose how you get Insider builds   Office Insider Slow ⇅

Office Insider Slow – Best for Insiders who want to get early access to fully supported builds with minimal risk and provide feedback to make Office great.
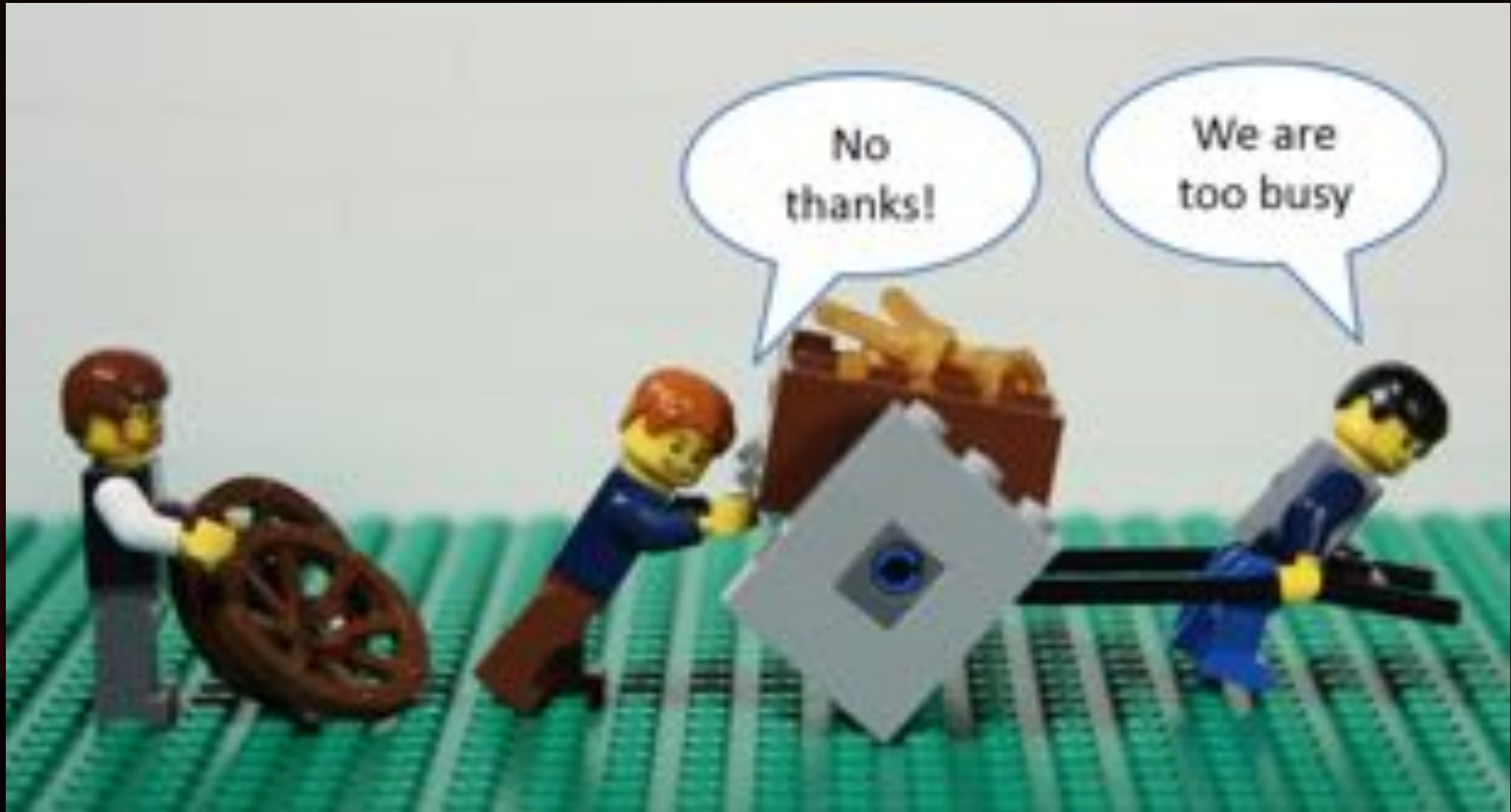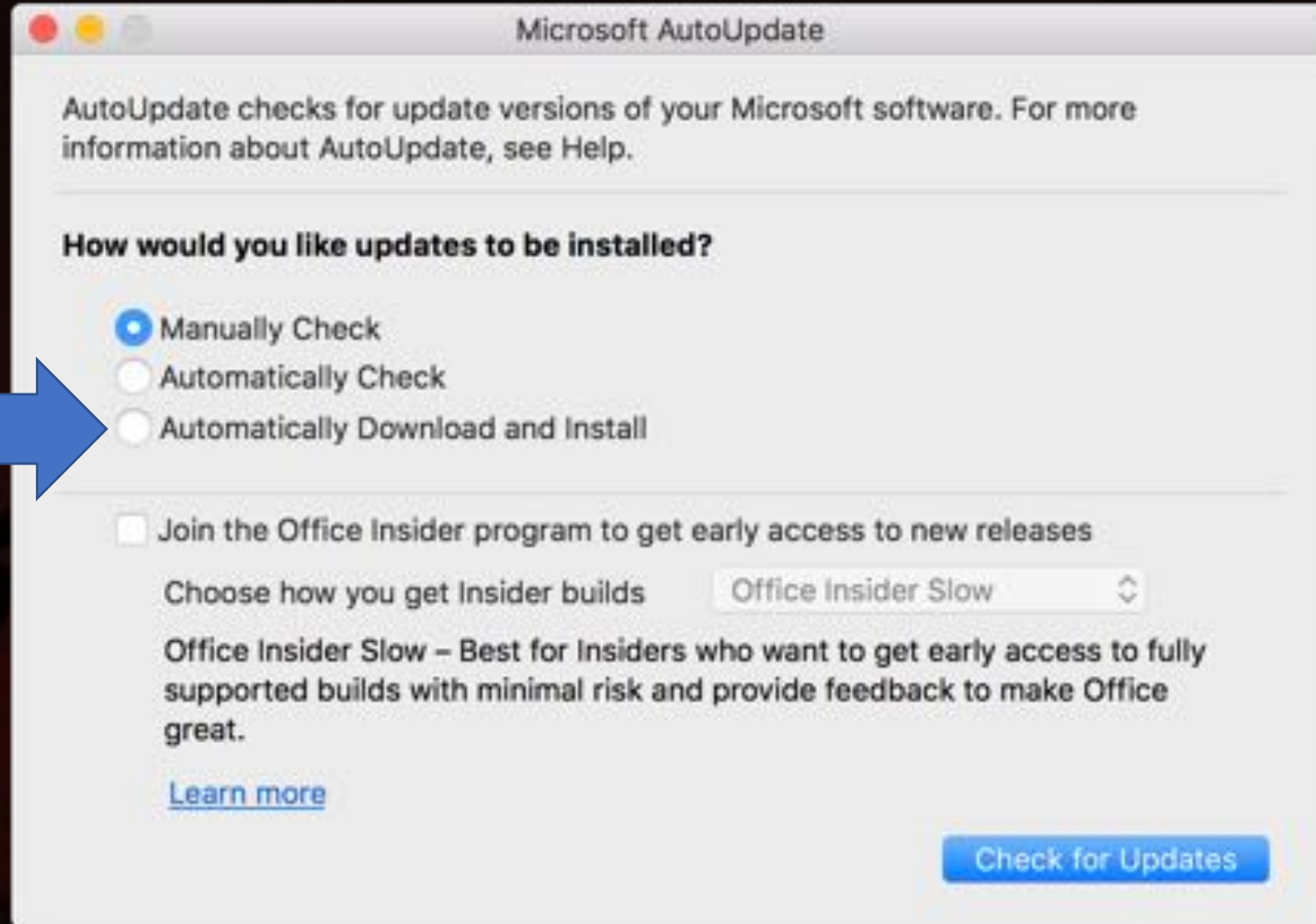
Learn more

Check for Updates

MAU WILL WATCH OVER THEM...

USERS — THE STRUGGLE IS REAL

⊕	Microsoft Outlook.app	15.13.1	3
⊕	Microsoft Outlook.app	15.14	2
⊕	Microsoft Outlook.app	15.19.1	79
⊕	Microsoft Outlook.app	15.23.16061100	3
⊕	Microsoft Outlook.app	15.25.16081700	8
⊕	Microsoft Outlook.app	15.26.16091000	11
⊕	Microsoft Outlook.app	15.27.16101000	24

THE FLIP SIDE...

tvsutton 14:47
Hooray, another closed-source daemon you have no insight into and which can run arbitrary code downloaded from $vendor

elios 14:47
And runs with elevated privileges, otherwise it couldn't install updates

tvsutton 14:48
And which might accidental[ly delete ...]
because "b" just happens to [...]

Mike Stok @MikeStok · 13 Feb 2016
@backblaze I'm shocked, shocked that Adobe software is causing problems for innocent people 😉. I'm really happy with Backbone 😃

Mike Stok @MikeStok · 13 Feb 2016
@backblaze thanks autocorrect 😖. I meant I'm a really happy Backblaze customer.

https://www.backblaze.com/blog/adobe-creative-cloud-update-bug/

INGREDIENTS

- MAU Client*
  - Installer Package
  - Preferences — com.microsoft.autoupdate2
    - Configuration Profile
    - defaults write to /Library/Preferences or ~/Library /Preferences

- MAU Caching Server (maucache)
  - A web server (OS agnostic)
  - MAUCacheAdmin
    - https://github.com/pbowden-msft/MAUCacheAdmin

RESOURCES

- https://macadmins.software/docs/

  - What's New in Microsoft AutoUpdate 3.8

  - Deploying a MAU Caching Server

- #microsoft-office and #mau4 > MacAdmins Slack

  - Paul Bowden > @pbowden

rquigley 21:14
Awesome news from the #microsoft-office team. Nice to have those guys

dvbguru 22:39
@pbowden prolly getting sick of hearing this but you guys are the shit
☝ 6

boggling! There is more to be done in the New Year and I for one enjoy this community immensely! Thank you! I found pbowden's GitHub and that Remove2011 script was just wonderful.
👍 18

wandrewrobinson 07:38
@pbowden: Thanks for all you and your colleagues do for the community here.

http://talkingmoose.net/2015/11/meeting-paul-bowden/

PITFALLS

MAU CACHING SERVER - MIME TYPES

Edit MIME Type

? X

File name extension:
.pkg

MIME type:
application/octet-stream

OK   Cancel

Edit MIME Type

? X

File name extension:
.mpkg

MIME type:
application/octet-stream

OK   Cancel

MAU CLIENT - CURRENT USER DIDN'T INSTALL IT?

> **⚠** You are opening the application "Microsoft AU Daemon.app" for the first time. Are you sure you want to open this application?
>
> The application is in a folder named "MacOS." To see the application in the Finder without opening it, click Show Application.
>
> [Show Application]   [Cancel]   [Open]

```
/System/Library/Frameworks/CoreServices.framework/Frameworks/LaunchServices.framework/Support/lsregister \
-R -f -trusted -v "/Library/Application Support/Microsoft/MAU2.0/Microsoft AutoUpdate.app"

/System/Library/Frameworks/CoreServices.framework/Frameworks/LaunchServices.framework/Support/lsregister \
-R -f -trusted -v "/Library/Application Support/Microsoft/MAU2.0/Microsoft \
AutoUpdate.app/Contents/MacOS/Microsoft AU Daemon.app"
```

Script for Jamf Pro Login Policy: https://gist.github.com/neilmartin83/4e704a0c627453ca216d413c2ae43182

MAU CLIENT - CURRENT USER DIDN'T INSTALL OFFICE?

```xml
<?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>Applications</key>
        <dict>
                <key>/Applications/Microsoft Excel.app</key>
                <dict>
                        <key>Application ID</key>
                        <string>XCEL15</string>
                        <key>LCID</key>
                        <integer>1033</integer>
                </dict>
                <key>/Applications/Microsoft OneNote.app</key>
                <dict>
                        <key>Application ID</key>
                        <string>ONMC15</string>
                        <key>LCID</key>
                        <string>1033</string>
                </dict>
```

ProTip™: Check out the postinstall scripts in the Office installer pkg!

neilmartin83 21:48
@pbowden if one were to put the keys for an app in a profile and that app isn't on the system, would MAU also just ignore it (but perhaps log that it's removed the Application as it's in the preference domain)?

pbowden 21:50
@neilmartin83 it would just ignore it

MAU CLIENT - WON'T UPDATE THYSELF

Jamf Pro Extension Attribute - MAU Installed:

```sh
#!/bin/sh
if [ -e /Library/Application\ Support/Microsoft/MAU2.0/Microsoft\ AutoUpdate.app ]; then
    echo "<result>Yes</result>"
    exit 0
else
    echo "<result>No</result>"
fi

exit 0
```

https://gist.github.com/neilmartin83/e7635e337627697115c0232c5e195907

Jamf Pro Extension Attribute — MAU Version:

```sh
#!/bin/sh

MAUVers=$(defaults read /Library/Application\ Support/Microsoft/MAU2.0/Microsoft\ AutoUpdate.app/Contents/Info CFBundleVersion)

echo "<result>$MAUVers</result>"
```
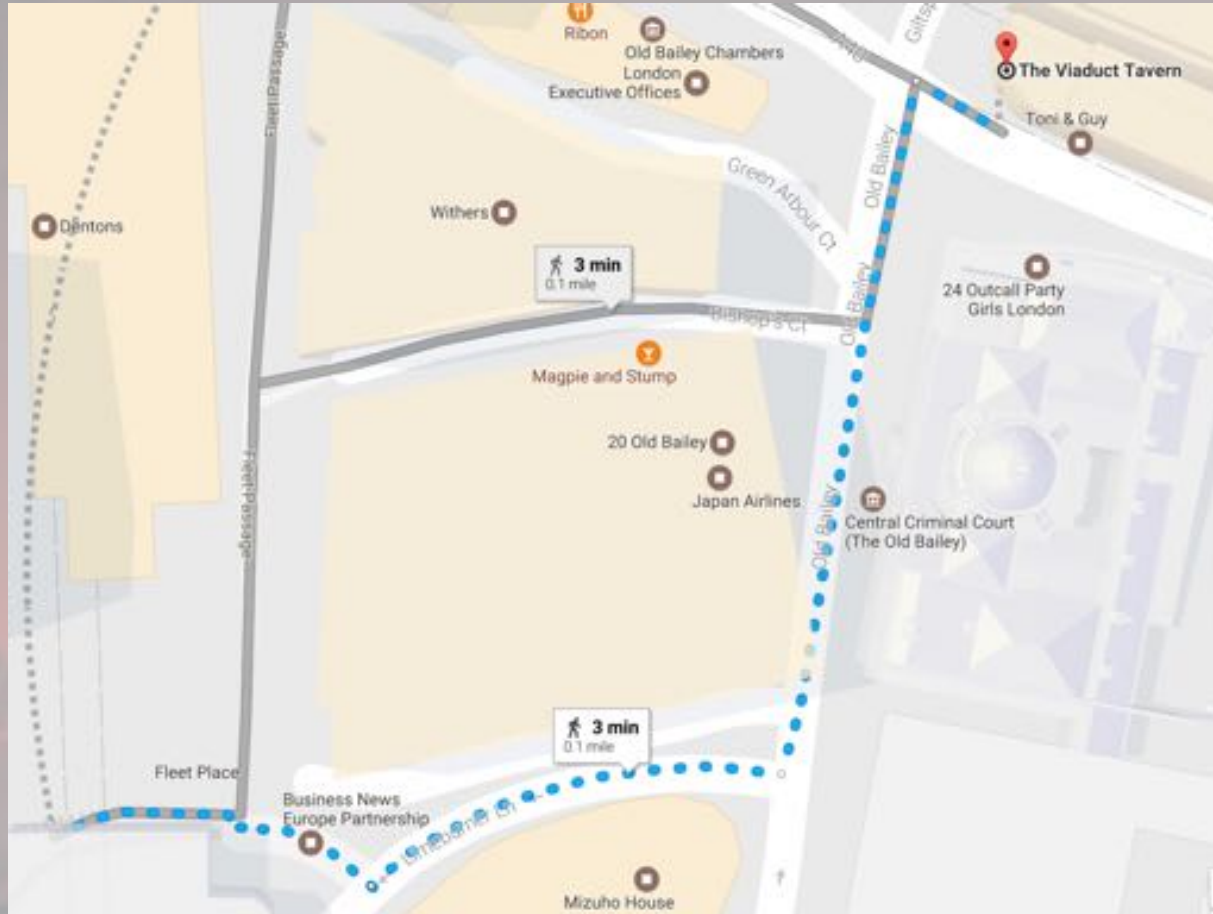
https://gist.github.com/neilmartin83/c9f80dc324e7f705b54bb13ce0a25ce5

TO THE PUB!

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