

facebook



FELTER

MOVE
FAST AND
BREAK
THINGS



facebook-stud



Search for people, places and things



Home

Post



Mike Dodge

Timeline

About

Photos 614

Friends 926

More ▾

Update Info

About

Client Platform Engineer at Facebook HQ

Automation at Hacker School

Lives in San Francisco, California

From San Jose, California

Followed by 641 people



Status



Photo



Place



Life Event

What's on your mind?



Mike Dodge

21 hours ago

Cant wait to give my talk @MacSysAdmin







FAIL
HARDER

Let's file
a task!

I'm on it....
Yay-yuh!!!

THIS POSTER BROUGHT TO YOU BY THE FACEBOOK ANALOG RESEARCH LABORATORY

Be honest
Guarantee
a 49ers
victory
Rage Cage
Day +1
Trading
Wire in for
24 hrs straight
I'M DOING IT
Hug
a
Lion
Base Jumping
Attach pens
to signs
Buy a one-way ticket
to Florence.
Big Wave Surfing
LEARN TO
CRAWL +1

WHAT WOULD
YOU DO IF
YOU WEREN'T
AFRAID?

THIS POSTER BROUGHT TO YOU BY THE FACEBOOK ANALOG RESEARCH LABORATORY

Celebrate Failure?

- * Drop Everything.
- * Fix IT.
- * Prevent it from happening again.
- * Wear a Cape.



Celebrate Failure?



Celebrate Failure?



Celebrate Failure?

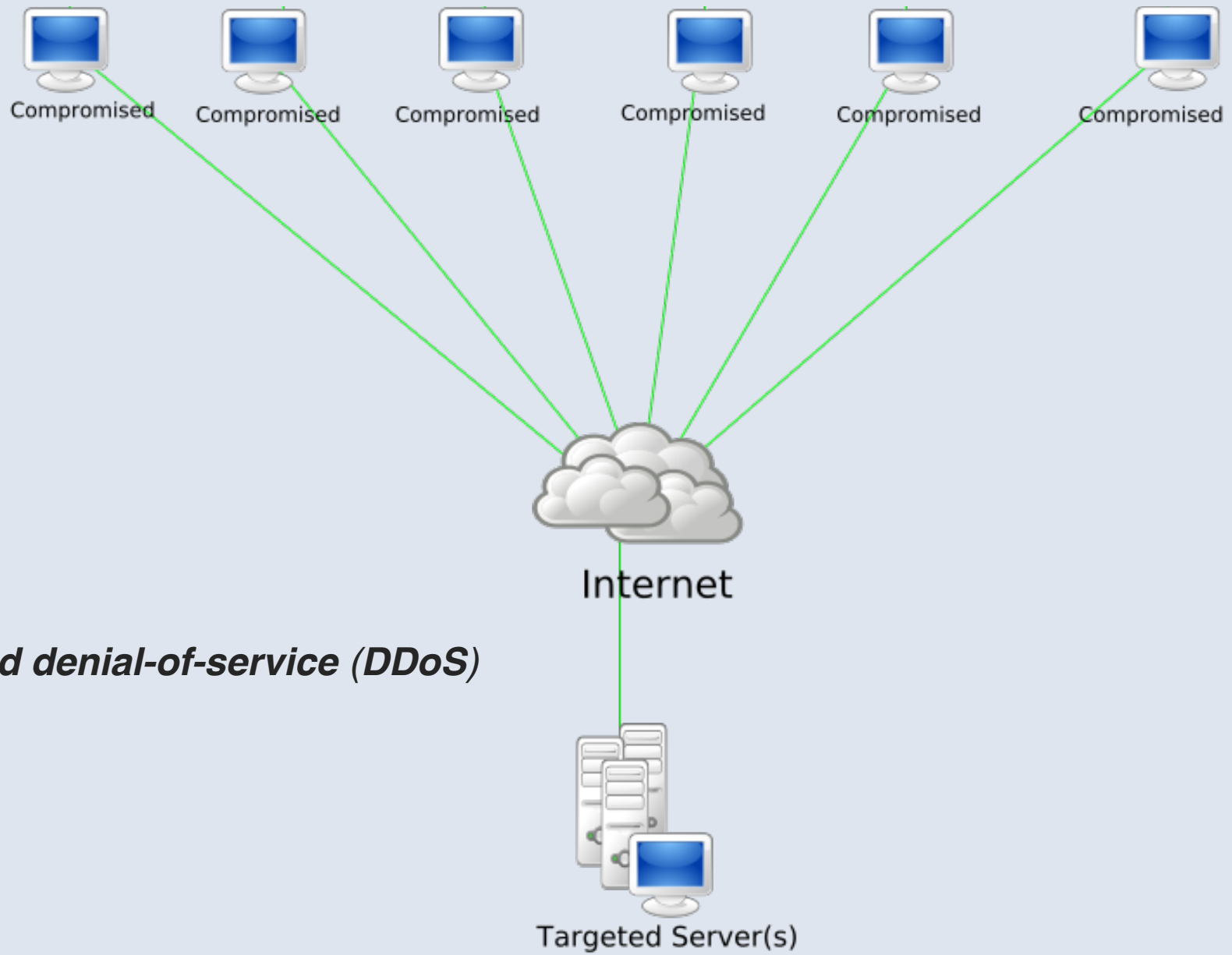


Celebrate Failure?



DDoS Your Self

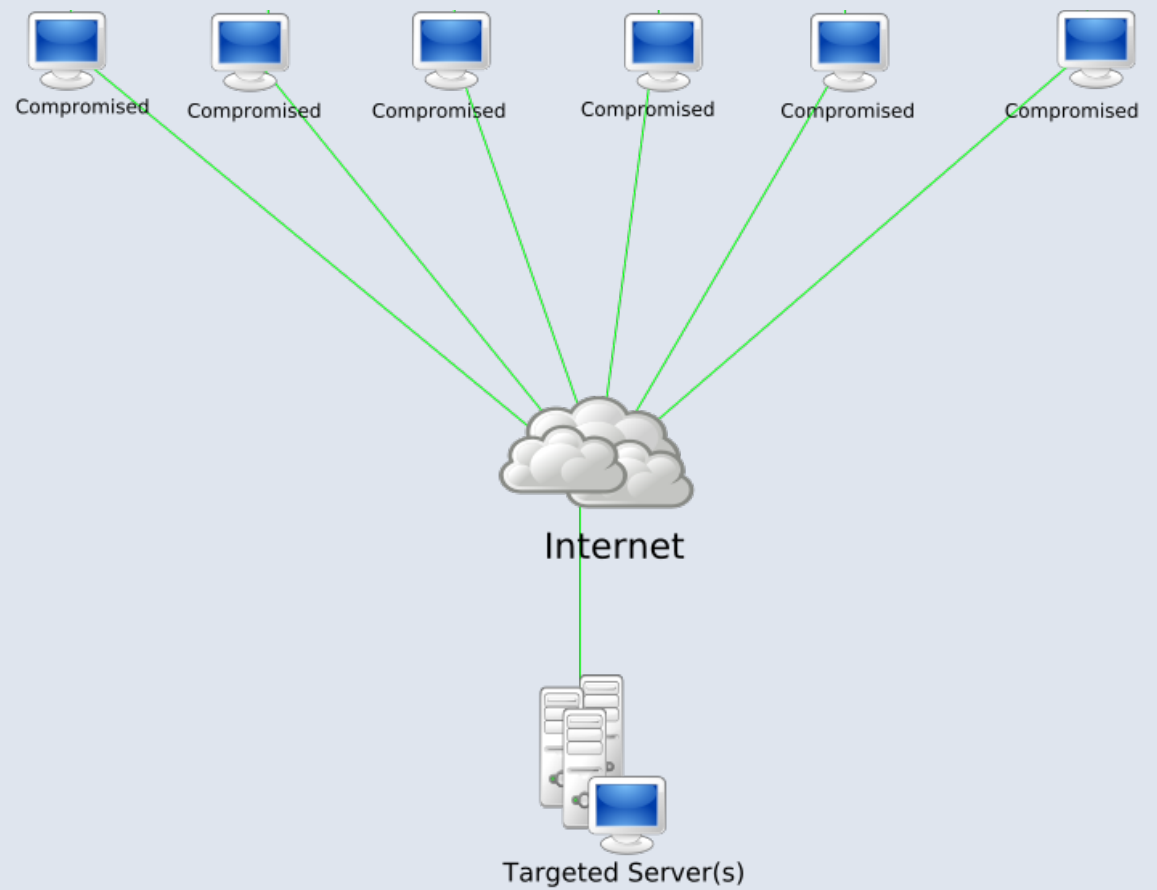
distributed denial-of-service (DDoS)



distributed denial-of-service (DDoS)

DDoS Your Self

distributed denial-of-service (DDoS)



DDoS Your Self

distributed denial-of-service (DDoS)



Options	Scope	Self Service	User Interaction
General			
Packages 0 Packages			
Software Updates Not Configured			
Scripts 0 Scripts			
Printers 0 Printers			
Disk Encryption Not Configured			
Dock Items 0 Dock Items			
Local Accounts 0 Accounts			
Management Account Not Configured			
Directory Bindings 0 Bindings			
EFI Password Not Configured			
Restart Options Configured			
Maintenance Not Configured			
Files and Processes Not Configured			
General			
Display Name Display name for the policy <input type="text" value="Install Random App"/>			
<input checked="" type="checkbox"/> Enabled			
Category Category to add the policy to <input type="text" value="3rd Party Apps"/>			
Trigger Event(s) to use to initiate the policy			
<input type="checkbox"/> Startup When a computer starts up. A startup script that checks for policies must be configured in the JSS for this to work			
<input type="checkbox"/> Login When a user logs in to a computer. A login hook that checks for policies must be configured in the JSS for this to work			
<input type="checkbox"/> Logout When a user logs out of a computer. A logout hook that checks for policies must be configured in the JSS for this to work			
<input type="checkbox"/> Network State Change When a computer's network state changes (e.g. when the network connection changes, when the computer name changes, when the IP address changes)			
<input type="checkbox"/> Enrollment Complete Immediately after a computer completes the enrollment process			
<input checked="" type="checkbox"/> Recurring Check-in At the recurring check-in frequency configured in the JSS			
<input type="checkbox"/> Custom At a custom event			
Execution Frequency Frequency at which to run the policy <input type="text" value="Ongoing"/>			
<input type="checkbox"/> Make Available Offline Cache the policy to ensure it runs when the JSS is unavailable			
Target Drive The drive on which to run the policy (e.g. "/Volume/Restore/"). The policy runs on the boot drive by default			
<div>Cancel Save</div>			

DDoS Your Self

distributed denial-of-service (DDoS)



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DDoS Your Self

distributed denial-of-service (DDoS)



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DDoS Your Self

distributed denial-of-service (DDoS)



- * Scale
- * No, Single Point of Failure
- * No one is perfect
- * Peer Reviewed Changes
- * All changes In source control

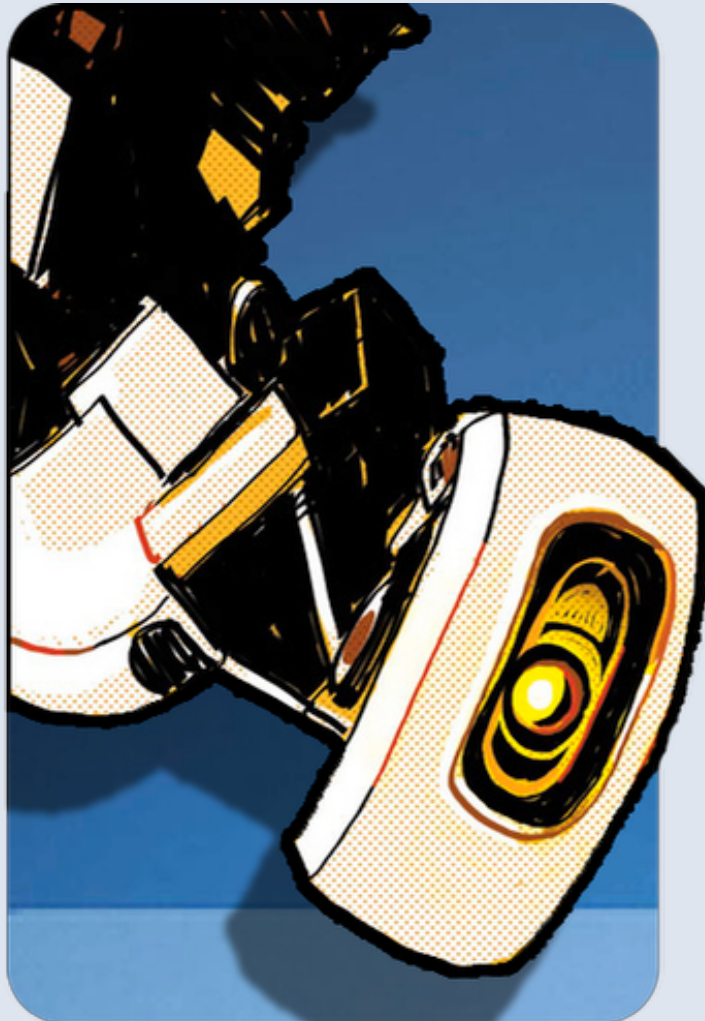
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		<input type="button" value="Cancel"/> <input type="button" value="Save"/>	

Kill Switch

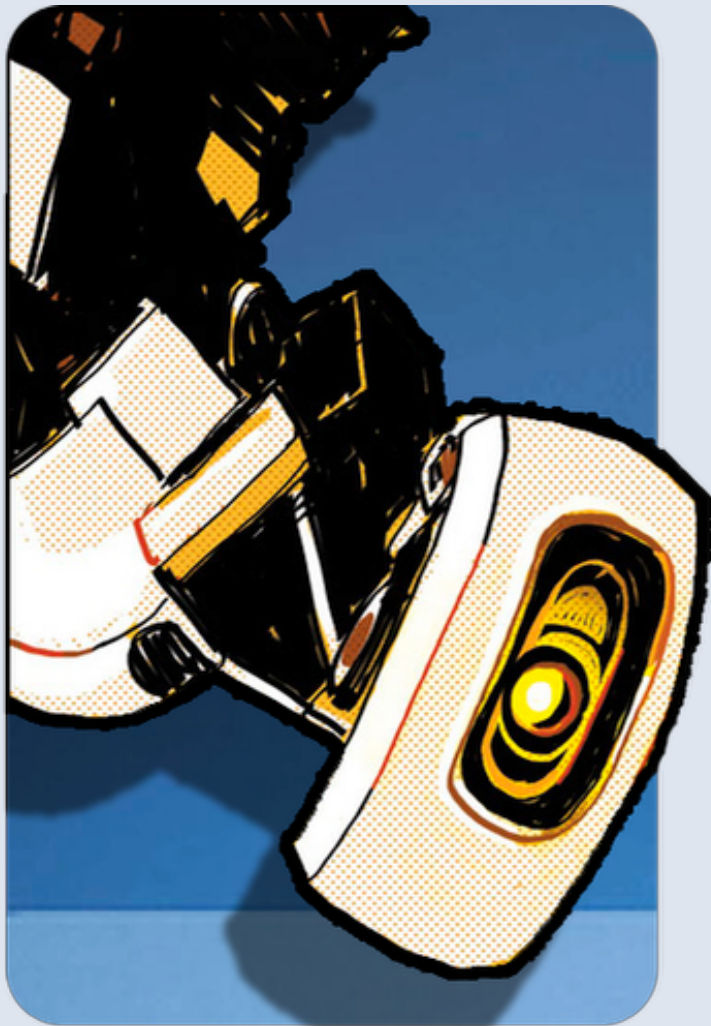
- * JSON hosted on another server
- * Turn everything off quickly



G.L.a.D.O.S



G.L.a.D.O.S



GLaDOS from {Facebook IT} says:



Critical Apple system patches that require a reboot have been applied to your computer.

Your machine will automatically reboot after clicking "REBOOT NOW", or click "Snooze" which will delay this for 2 hours.

Snoozes Remaining: 3

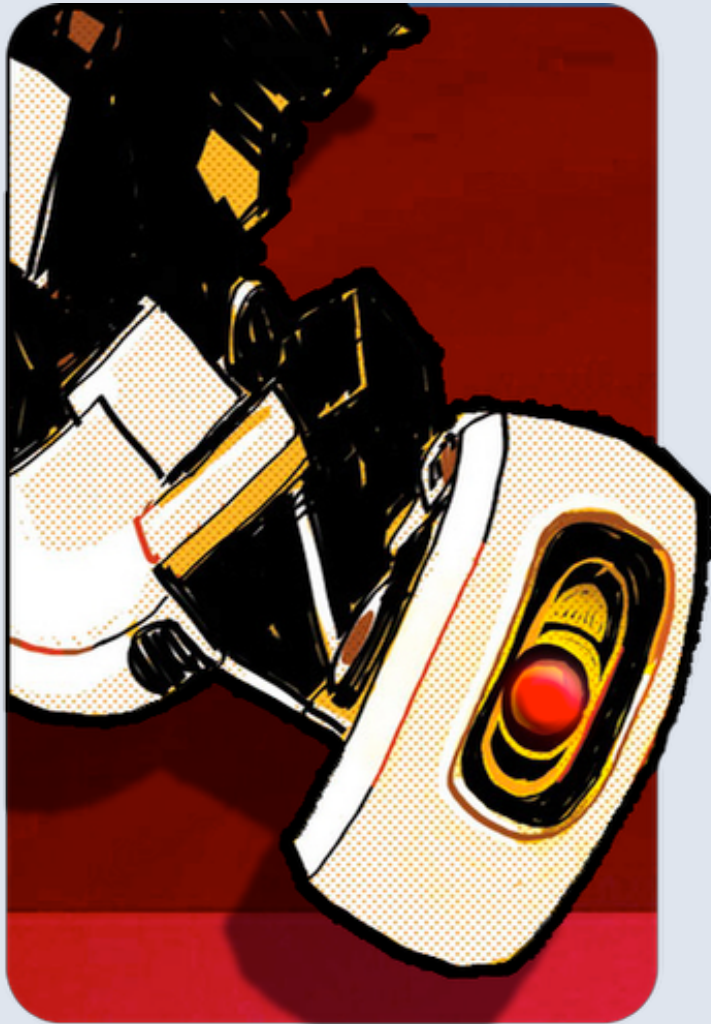
Contact helpdesk@fb.com if you have any questions.

Details

REBOOT NOW

Snooze

G.L.a.D.O.S



Rebooting



Last chance!

Please confirm all documents and data are saved. We will reboot the system after you click OK

OK

G.L.a.D.O.S



the cake is a lie!

G.L.a.D.O.S



the cake is a lie!

"Naming the product to force my computer to update, after an A.I that has repeatedly tried to kill digital me, Doesn't give me warm and fussy feelings towards it."

-Fb Engineer



Mike Dodge

Hi everyone! I'm very excited to announce, a new version of IT Updater is going out today. This was a full rewrite that now offers a new prompting method, a different snooze method and a better caching method for updates.

IT Updater is like anything else here at facebook, and we will take feedback and iterate quickly as possible. Please file bugs with xxx@fb.com and provide any feedback in our feedback group [fb.com/IT Updater Feedback](https://fb.com/IT_Updater_Feedback)



about a week ago

Like Comment Share

Melissa Storm, Doug Dreher, Nick Young and 8 others like this.

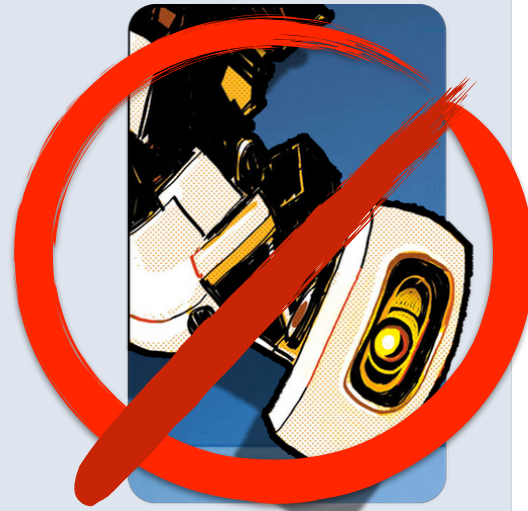


David Recordon I've changed `/usr/sbin/jamf` and `/usr/sbin/jamfAgent` to no longer be executable and then killed their currently running processes.

July 22 at 3:52pm · Like

Lessons Learn?

- * Evil Video Game don't make good prompts.
- * Don't Start an arms race, you will lose
- * Balance in favor of user experience.
- * Learn from your users, what works for them?
- * Prompt on their schedule.
- * Use the right tool for the job.
- * Don't build everything yourself.



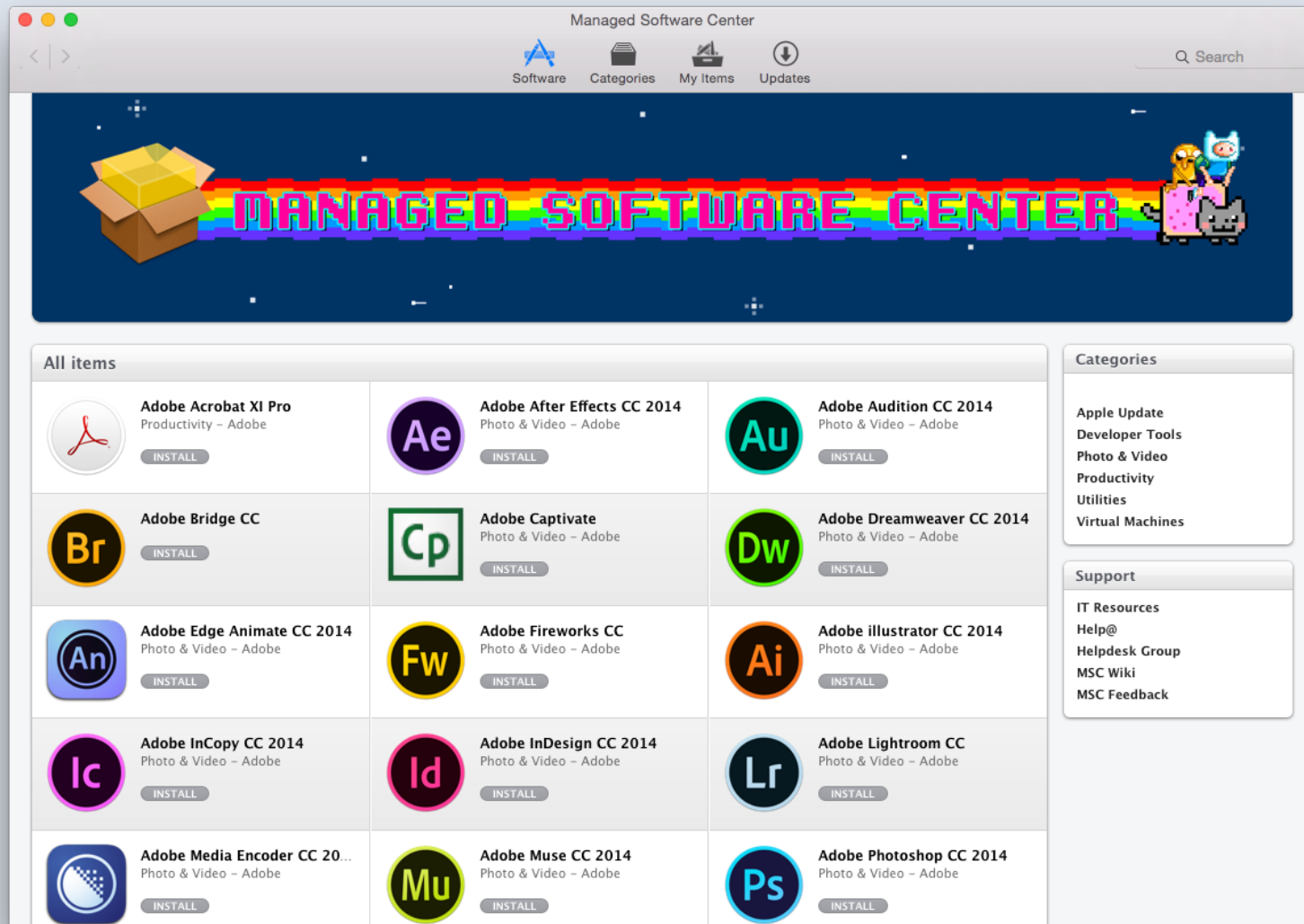


munki

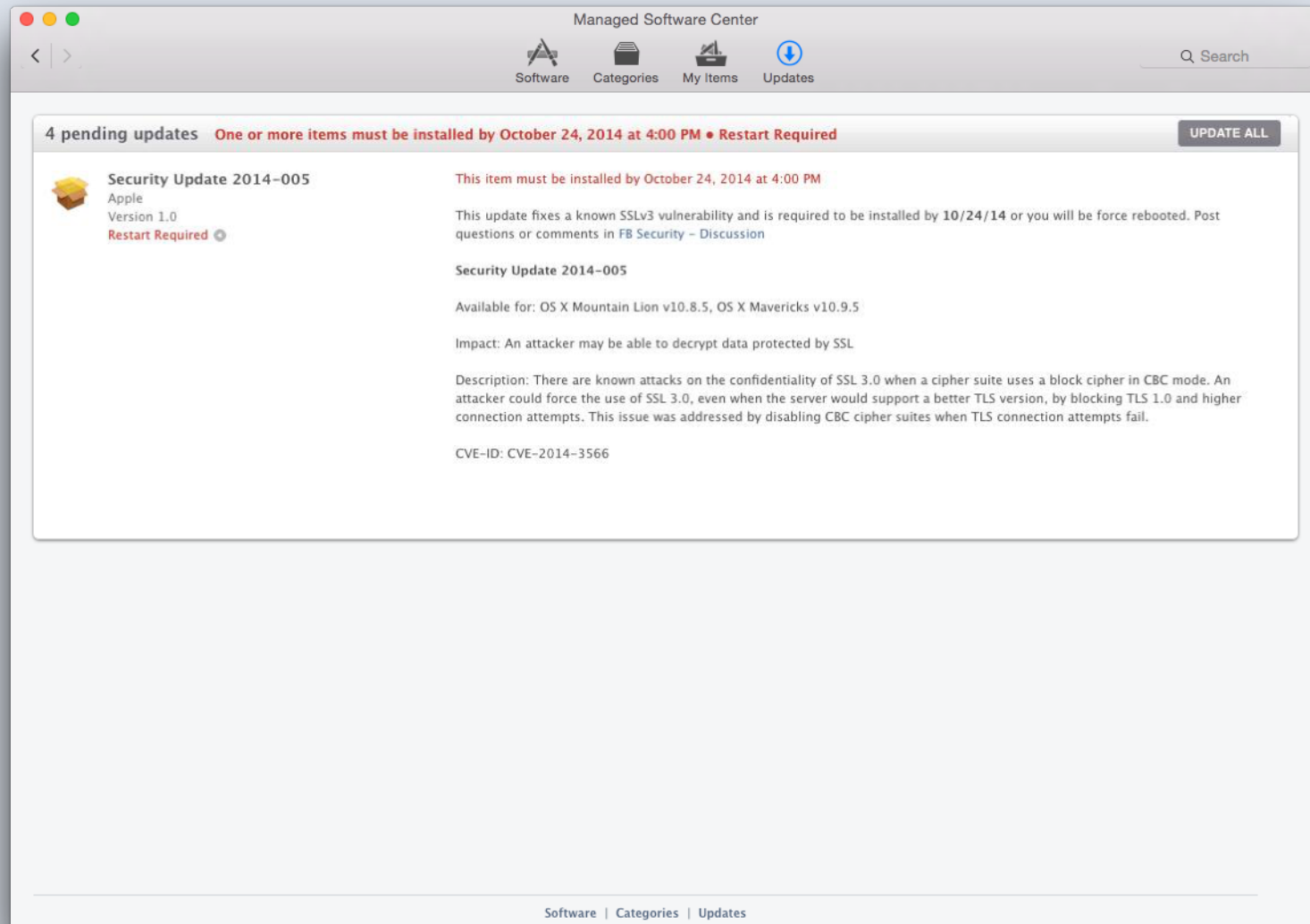


<http://munki.github.io/munki>

Configure Munki

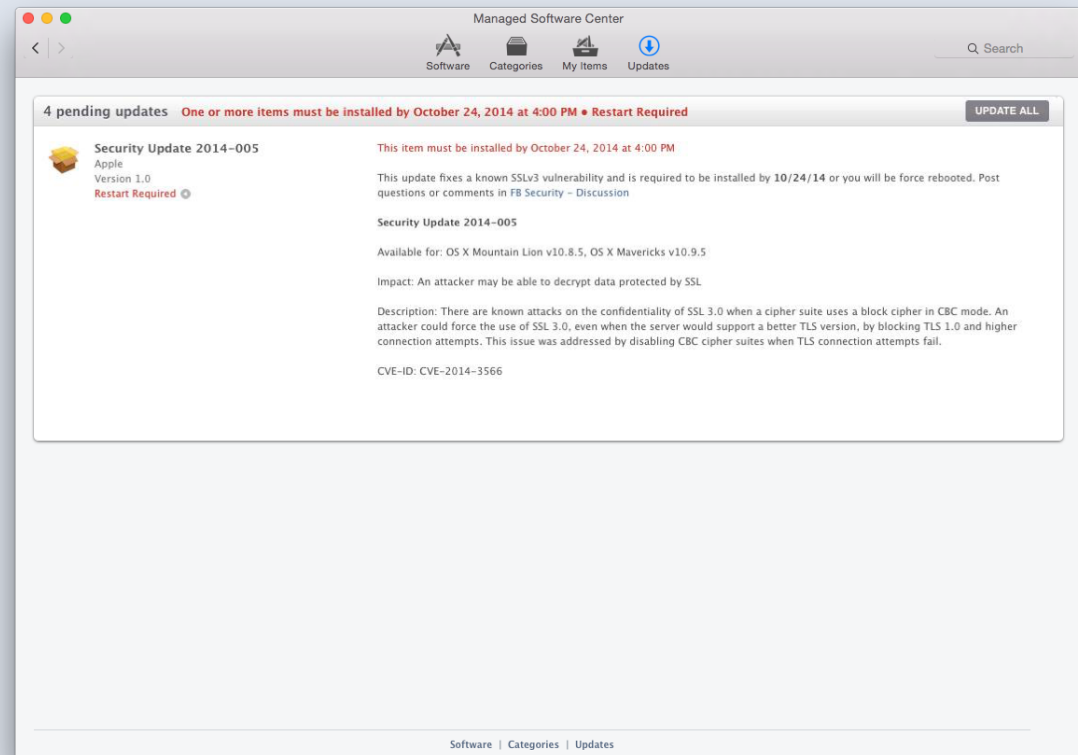


Configure Munki



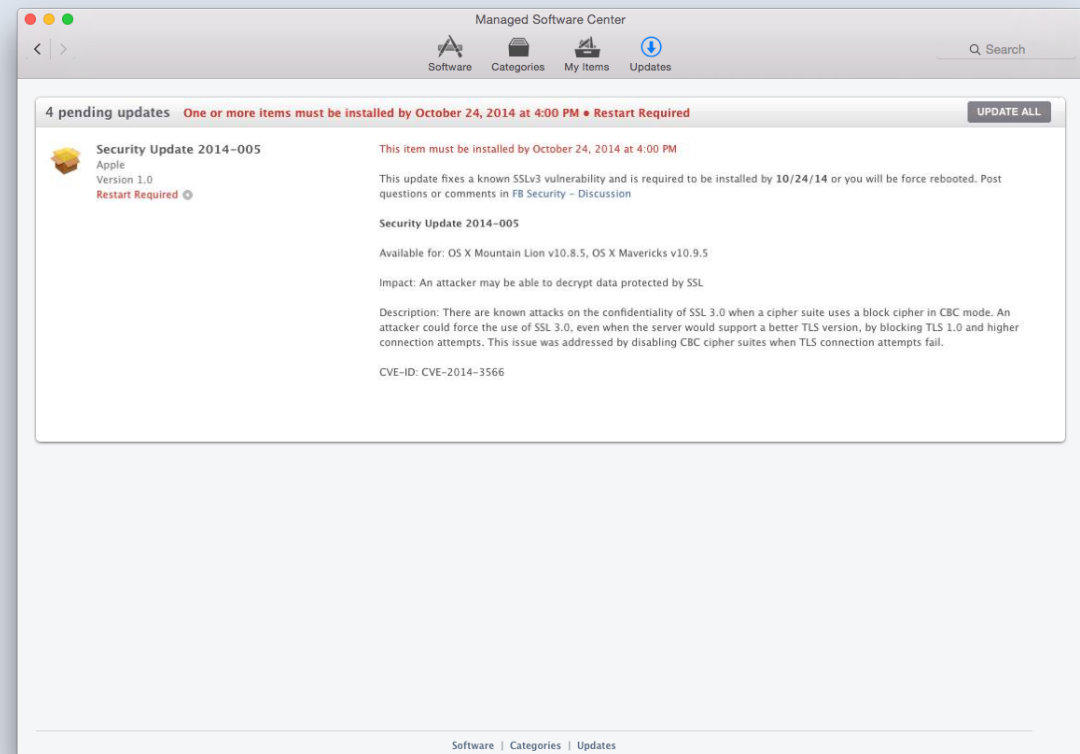
Configure Munki

- * Install Pkg
- * /usr/local/munki
- * /Applications/Managed Software Center
- * Installs a few LD
- * Installs a few LA
- * Requires a reboot



Lessons Learn?

- * Testing
- * Context
- * Representative Sample
- * Communication
- * Transparency



Recap

- * Testing
- * Source Control
- * Peer Reviewed Changes
- * Unit Tests
- * Code Standards
- * Monitoring
- * Alerts

```
family:phabricator familyroom$ arc lint
>>> Lint for webroot/rsrc/css/application/base/phabricator-applica
    src/applications/releaph/controller/branch/ReleaphBranchCreateController.php

Error (MERGECONFLICT1) Unresolved merge conflict
This syntax indicates there is an unresolved merge conflict.

    31 <<<<<<< HEAD
    32 <<<<<<< HEAD
    33   -webkit-font-smoothing: antialiased;
>>> 34 =====
    35   border: 1px solid #2c2c35;
    36 >>>>>> updates
    37 =====

Error (MERGECONFLICT1) Unresolved merge conflict
This syntax indicates there is an unresolved merge conflict.

    34 =====
    35   border: 1px solid #2c2c35;
```

A screenshot of a web browser displaying a code editor for a file named 'src/view/AphrontTagView.php'. The code is written in PHP and includes two methods: 'setMetadata' and 'getMetadata'. The 'setMetadata' method is highlighted in green. A 'New Inline Comment' box is open at the bottom of the code editor, containing the text 'bit of the ol' chicken and egg here'. The browser's address bar shows 'sentry.com'.

Sentry

Events

Team

Sentry (Internal)

Stream

getsentry.com

✓ Resolve Feed

Pause Updates

Sort by: Last Seen

Since: Feb 12th

◀ ▶

10

sentry.tasks.fetch_source in fetch_javascript_source

Task sentry.tasks.fetch_source.fetch_javascript_source[f636d703-e942-48...

8 hours ago root

✓

★

urlib2 in http_error_default

✓



Take Aways

Fail Harder, But learn from It

Build Safety Nets

Stop scripting, Start CODING

Reuse and share

What would you do,
If you weren't AFRAID

**THIS JOURNEY
1% FINISHED**



Group: fb.me/groups/macbrained/

Group: fb.me/groups/TheITThinkTank/

IRC: [freenode.irc.net](https://freenode.net) #ITThinkTank

IRC: [freenode.irc.net](https://freenode.net) ##osx-server

GitHub: github.com/facebook/IT-CPE

Web: facebook.com/IT

**THIS JOURNEY
1% FINISHED**

facebook

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