

Weldon Dodd

Rewind Technology

Weldon is an Apple Certified Trainer with over 20 years of experience in IT. Weldon's first IT job was running the Mac lab and the NeXT Lab at the University of California. He has worked for Cisco, Microsoft and Apple and has been at Rewind Tech for the last 8 years. Rewind Tech is the Apple Authorized Training Center for the Mountain West and a Mac-first MSP.



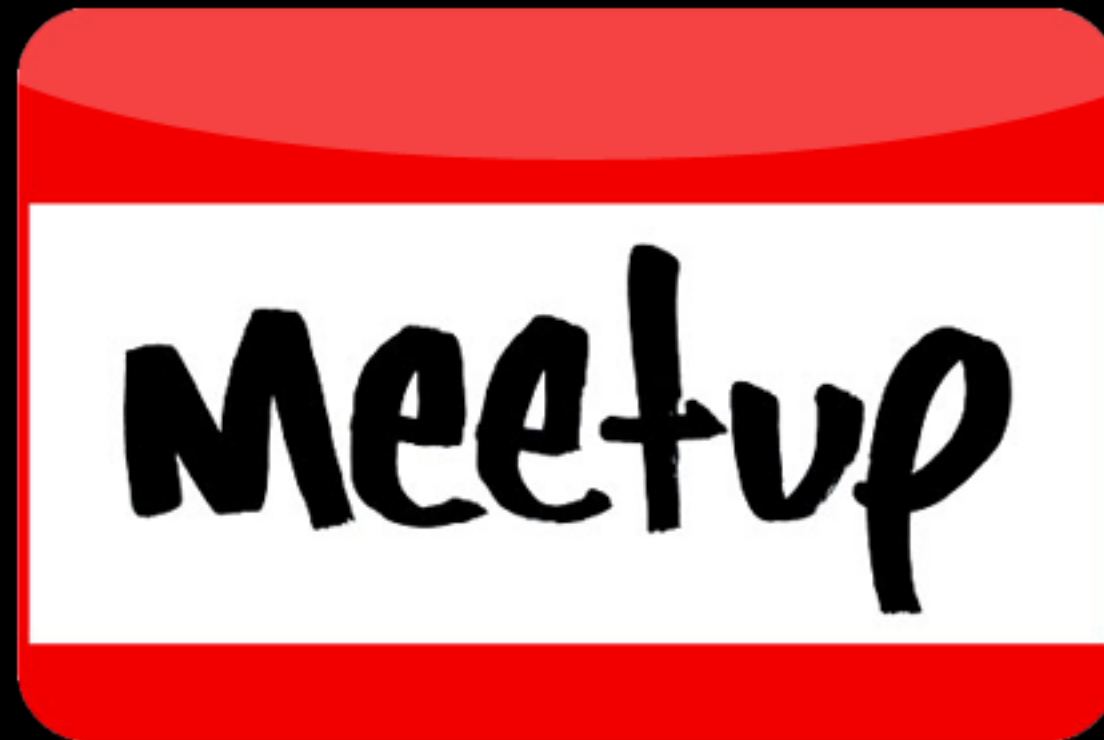
@weldon
#mactechpro

REWIND TECHNOLOGY



Apple Authorized Training Center

Denver Mac Admins



www.meetup.com/Denver-Mac-Admins

IT Workflow & Automation

The art of repeatability

Agenda

- Automation Philosophy
- Personal Efficiency
- Web automation
- IT Automation
- Tools, Scripts, & Applications



Automation Philosophy

A lazy sysadmin is a good sysadmin

Be efficient

Avoid errors

Save time

"Good artists copy, great artists steal."

Automating Mindset

Use tools to solve problems

Develop your skills and mindset

Start small and build

“we know what we are now, but not what we may become”

Automating Mindset

Programming is a learned skill

- Logic
- Planning
- Abstraction
- Systems thinking
- Troubleshooting

Pseudo-Code

Goal: to eat breakfast

Here is some high-level pseudo code showing the steps involved for breakfast (the most important meal of the day!):

Am I hungry enough for breakfast?

NO: forget about breakfast, this plan is done

YES: Do I have time for breakfast?

NO: forget about breakfast, this plan is done

YES: Do I want to eat out?

YES: eat out

NO: make breakfast

Don't Hulk out.



“I don't live to work; I work to live.”

~Noel Gallagher

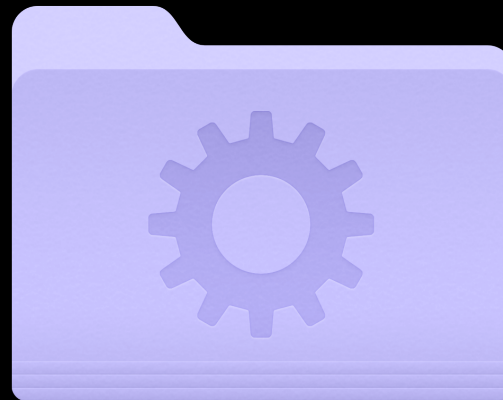




Personal Automation

Click less: Automate Finder

- Tags
- Spotlight
- Tags
- Smart Search
- Automator Folder Actions
- Hazel



Type Less: Automate Text



Remember Less: Automate Record-keeping



Monkey
BOX



Web Automation

IFTTT: If This Than That

- Channels, Triggers & Actions
- Pre Made Recipes
- Make your own recipe
- Hardware integration



Zapier

Use Cases:

- Zendesk
- Quickbooks
- Freshbooks
- *The usual suspects



IT Automation

Deployment Tools

- System Image Utility
- DeployStudio
- Apple Configurator 2
- Filewave Lighting
- Munki



Ticket Workflows





Remote
Management

MACTECH





WATCHMAN
M O N I T O R I N G

MACTECH

 **REWIND**
TECHNOLOGY



Version Control

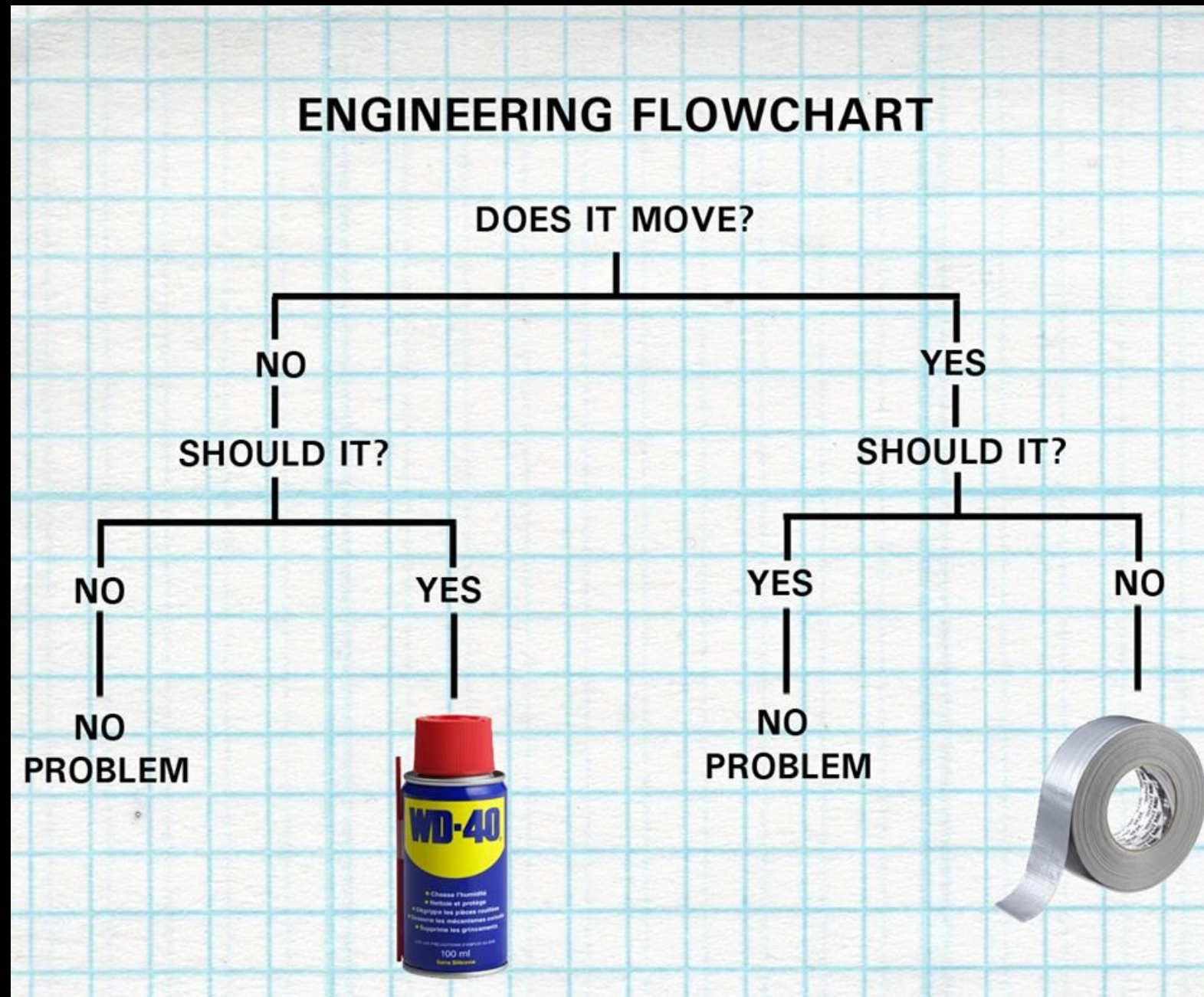
GitHub

Workflows
Tools
Scripts
Packages
Applications

“Repeatable steps lead to predictable results”

~Unknown

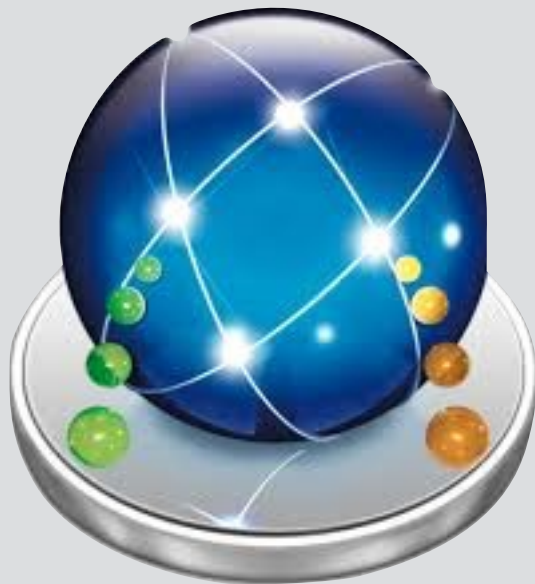
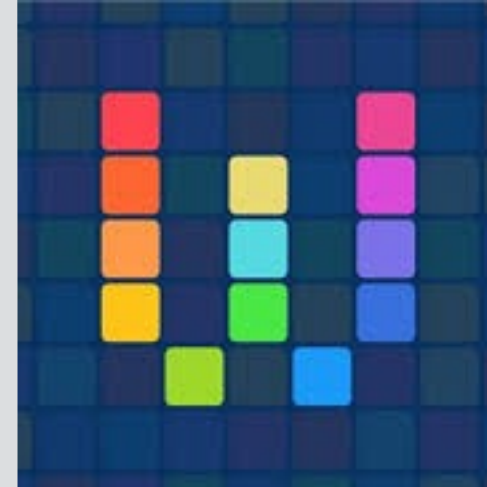
Workflows



“It's a poor craftsman that blames his tools”

~Unknown

Tools



CARBON COPY
CLONER

MACTECH

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Scripts

Set hostname

Set timeserver

Bind to AD

Install Config Profile

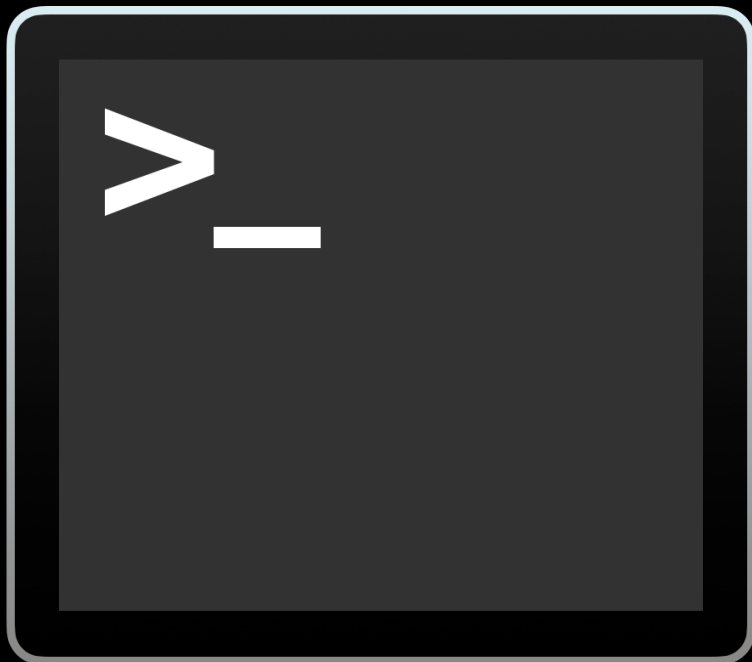
Set Munki Client ID

Make munki manifests from CSV

Turn volume up/down/off

etc...

Scripts



Package Management

- Install software
- Run updates
- Run a script
- Automate Deployment
- MDM Enrollment
- Install a Config Profile
- Add a user account

Package Tools



The Luggage



Applications

Create Tools

Applications (IDE)



Version Control

GitHub

Version Control

- Track source changes
- Versioning
- Forking
- Team development
- Open Source

Try GitHub

- try.github.io
- codeschool.com
- gitimmersion.com
- www.git-tower.com/learn/
- rogerdudler.github.io/git-guide

GitHub

Languages



`#!/bin/bash`

Links

rewindtech.com/automation/

-Question-

