

swiftDialog



swiftDialog

What is it, what does it do, how does it work?



- App that displays macOS dialogs
- Uses command line interface for controlling content
- Configurable with over 60 different options
- Supported on macOS 11 or later.
- Open source (BSD/MIT based license)



swiftDialog

What is it, what does it do, how does it work?



- cocoadialog
- jamfhelper
- osascript -e 'display dialog ...'
- DEPNotify
- yo

Simple Reminders



Reminder: CSIRO Culture Survey



Please take 15mins to share your views by COB Friday 1 April.

Check your inbox for your invitation from SampleSurvey@MDOYVRdemo.com

If you've already responded, thank you! Keep an eye out for results from May.

Close

Rich Context



Are your contact details up-to-date?



Staying healthy and safe at work is important.

No matter what your job, it is important to reduce your risks of injury and illness. If you are involved in an emergency it is essential we are able to contact you and anyone listed as your emergency contact.

Please take a minute to review your details and ensure they are correct and if necessary update your records in SAP.

[Review my Contact Details](#)[Close](#)

Rich Context

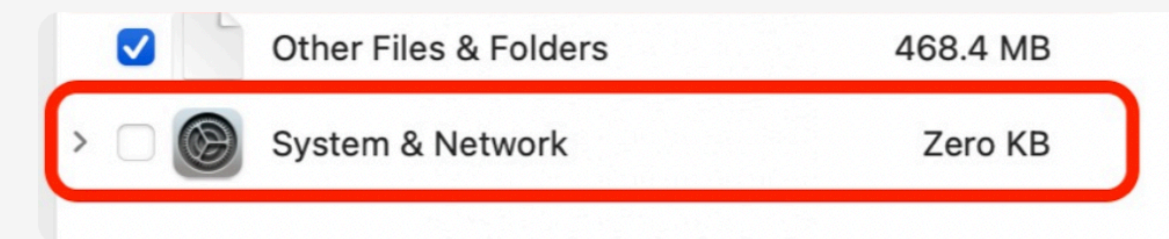


Using Migration Assistant at Company

To ensure that your data is transferred successfully,
press **Continue** to read the Migration Assistant notes.
Please see <https://confluence.company.com/> for more information.

More Info

Continue



When Selecting the Information to Transfer

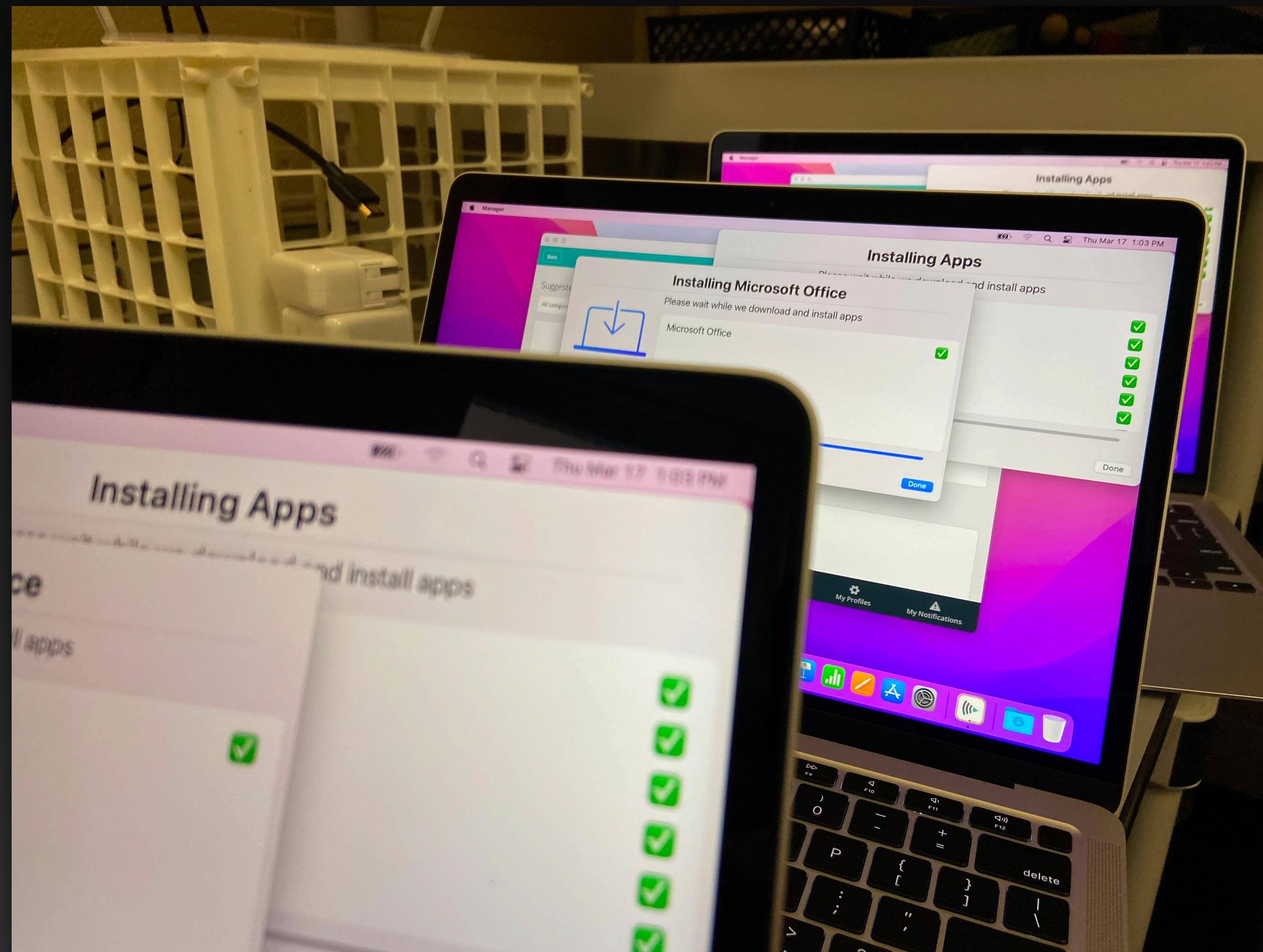
Do **not** transfer **System & Network**

If you have any questions about this process, please create a ticket with [IT Support](#)

More Info

I Understand

Dynamic Content



swiftDialog



- Has no "Brains" of its own
- Doesn't know how to read logs
- No knowledge of anything it's being asked to display
- The "Logic" is anything you can do in bash, python or other script.



swiftDialog



What it is

```
#!/bin/bash

username=$1
action=$2

[ -n "$username" ] || { echo "Usage: $0 <username> <action>" 1>&2; exit 1; }

# Path to the application's log file
LOG_FILE="/var/log/audit/audit.log"

# Function to read the log file
read_log() {
    grep -h "$1" "$LOG_FILE" 2>/dev/null
}

# Function to generate the audit rule
generate_rule() {
    local action=$1
    local username=$2
    local rule="-s user -F user=$username -F action=$action -F success=1"
    echo "$rule"
}

# Main logic
if [ "$action" = "add" ]; then
    # Add the user to the group
    groupadd "$username" 2>/dev/null
    # Add the user to the group
    useradd -s /bin/bash "$username" 2>/dev/null
    # Set the password
    echo "$username:$username" | chpasswd
else
    # Remove the user from the group
    userdel "$username" 2>/dev/null
    # Remove the group
    groupdel "$username" 2>/dev/null
fi

# Generate the audit rule
rule=$(generate_rule $action $username)

# Add the rule to the audit configuration
echo "$rule" | tee -a /etc/audit/rules.d/audit.rules
```

SHELL



How it Works

Command Line Arguments




- `/usr/local/bin/dialog --
 <option_name> <option
 argument>`
- `/usr/local/bin/dialog --help`
- Over 60 arguments available to
 modify swiftDialog

Layout



An Important Message



This is important message content
Please read

OK

Making your message look great



- **Title**

- Font and colours

- **Message**

- Markdown
- Font and colours
- Position and alignment

- **Banner Image**

- **Icon**

- Icon sources - builtin, image
- Colours
- Size
- Show/Hide/Position
- Overlay

Message Markdown

```
/usr/local/bin/dialog --message <markdown>
```



- --message "### University of Utah, MacAdmins Meeting\n\nThe University of Utah, MacAdmins Meeting is held monthly virtually on the 3rd Wednesday of each month at 11 AM Mountain Time.\n\nPresentations cover Apple technology and integration in a heterogeneous university enterprise environment.\n\nThis month's meeting will be held on **Wed, November 16th, 2022** at 11 AM MT and we will provide live broadcasts and archives that will be made available 2-3 days after the meeting."

University of Utah, MacAdmins Meeting Demo



University of Utah, MacAdmins Meeting

The University of Utah, MacAdmins Meeting is held monthly virtually on the 3rd Wednesday of each month at 11 AM Mountain Time.

Presentations cover Apple technology and integration in a heterogeneous university enterprise environment.

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OK

Images



- Display one or more images with one or more --image arguments.
- Supports local or https sources



Video



- Display videos from local or from URL



User Input



- Dropdown
- Checkboxes
- Textfields

Data Output

Collecting data



- Standard output or JSON formatted

```
SelectedOption : three  
SelectedIndex : 2  
text 1 : one  
text 2 : two
```


```
{  
  "SelectedOption" : "three",  
  "SelectedIndex" : 2,  
  "text 1" : "one",  
  "text 2" : "two"  
}
```

jamfHelper mode








Displaying Lists





Select list from json

including status indicator and status message

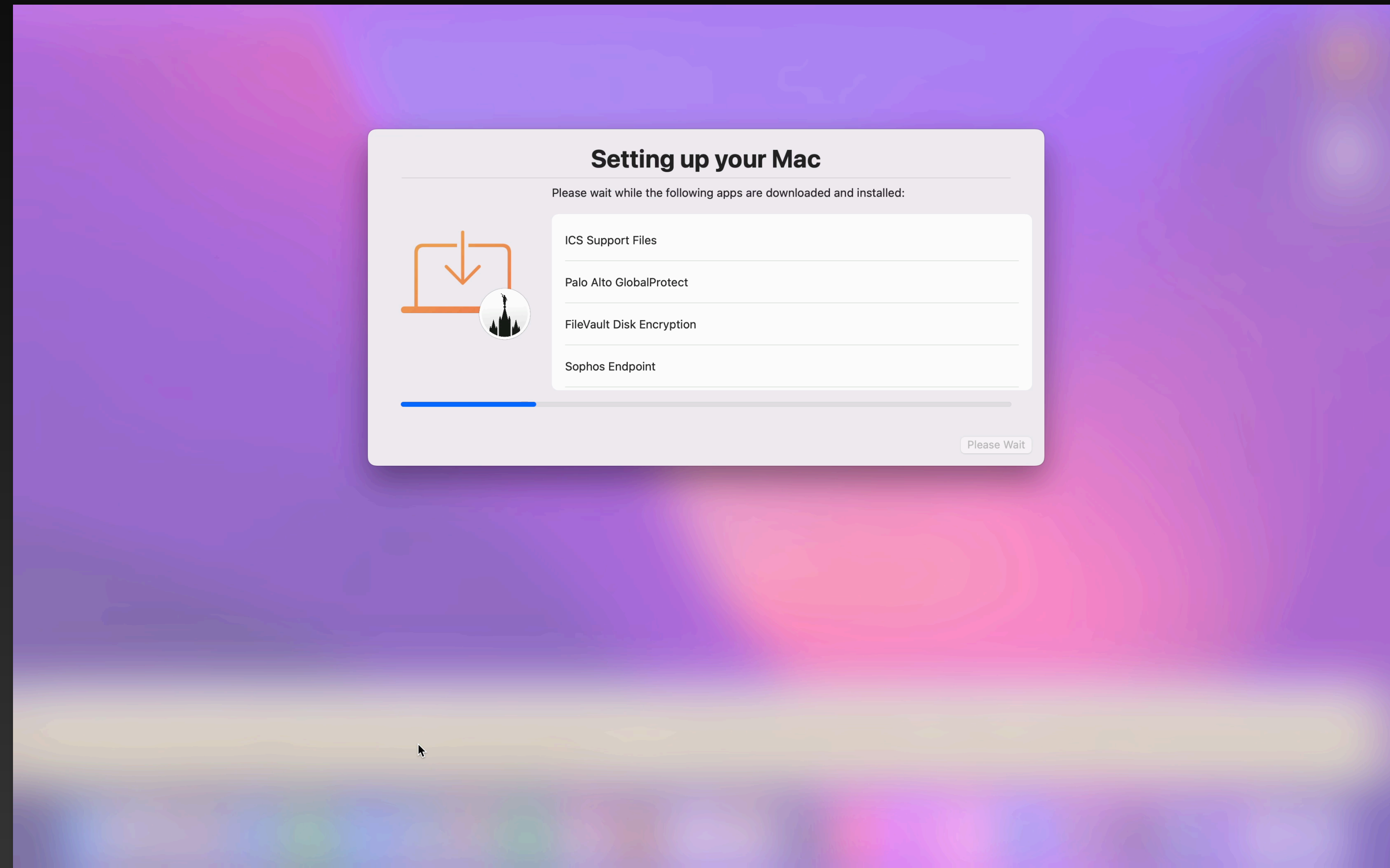
Item One	Pending 
Item Two	Waiting 
Item Three	Winning 
Item Four	Failing 
Item Five	Erroring 
Item Six	Nothing

OK

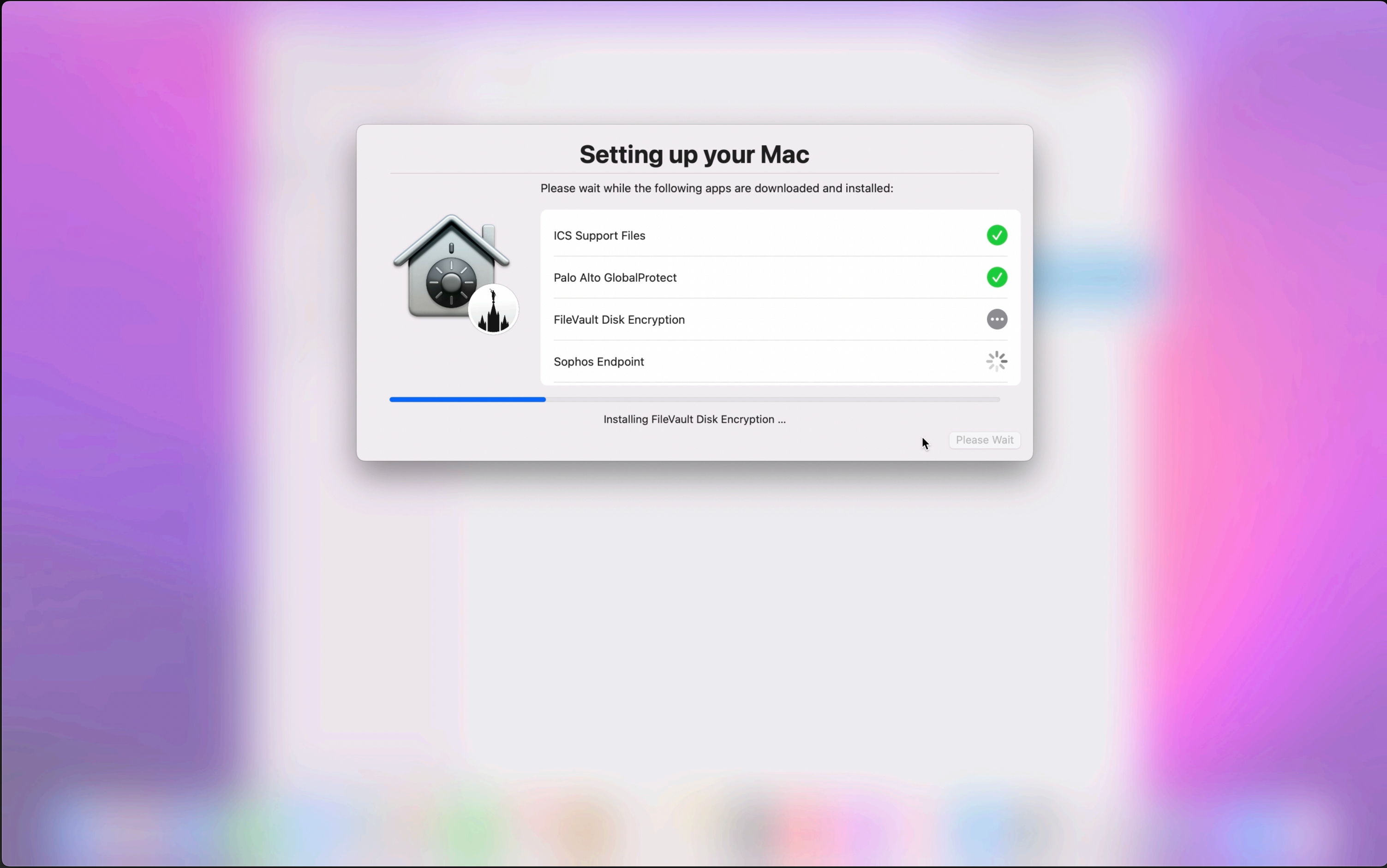
listitem.json

```
1 {
2   "listitem": [
3     {
4       "title": "Item One", "status": "pending", "statustext": "Pending",
5     },
6     {
7       "title": "Item Two", "status": "wait", "statustext": "Waiting",
8     },
9     {
10      "title": "Item Three", "status": "success", "statustext": "Winning",
11    },
12    {
13      "title": "Item Four", "status": "fail", "statustext": "Failing",
14    },
15    {
16      "title": "Item Five", "status": "error", "statustext": "Erroring",
17    },
18    {
19      "title": "Item Six", "statustext": "Nothing"
20    }
21  ]
22 }
```

Dynamic Content

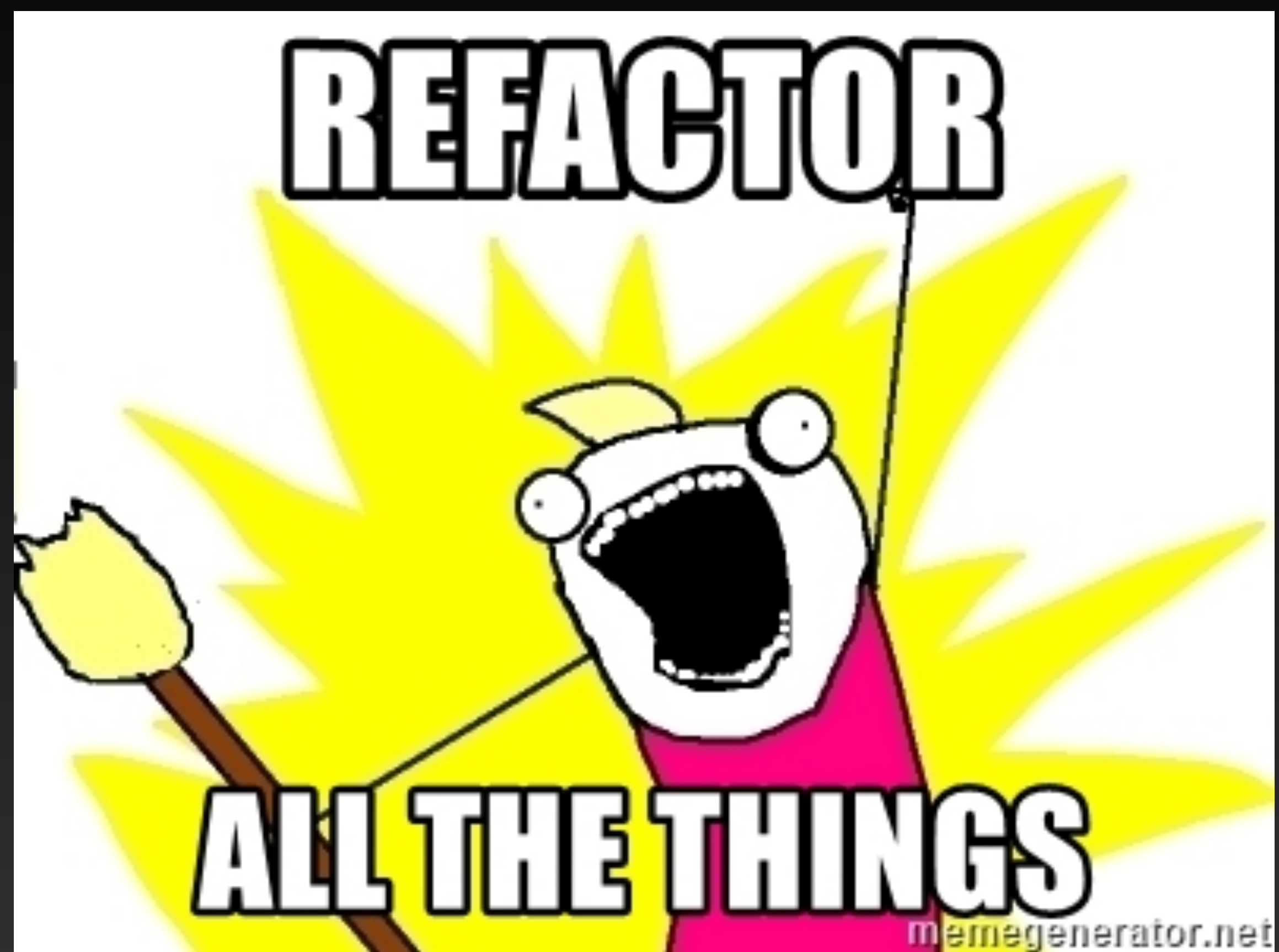


Dynamic Content





What's New in 2.0





An Important Message

This contains important message content

Please read

Demo

10 Nov

November 2022 – MacAdmins Meeting

in [Administration](#), [Automation](#), [Automation](#), [Client Management](#), [Configuration Profiles](#), [Container](#), [Documentation](#), [Enterprise](#), [Event](#), [Higher Education](#), [Information Technology](#), [Jamf](#), [Jamf Pro](#), [Jamf Pro Server](#), [Linux](#), [Mac](#), [macOS](#), [Ventura](#), [Management](#), [Meeting](#), [vfuse](#), [Virtualization](#), [VMware](#) by [Richard Glaser](#) · 0 Comments · 0 Likes

November 16, 2022 – University of Utah, MacAdmins Meeting

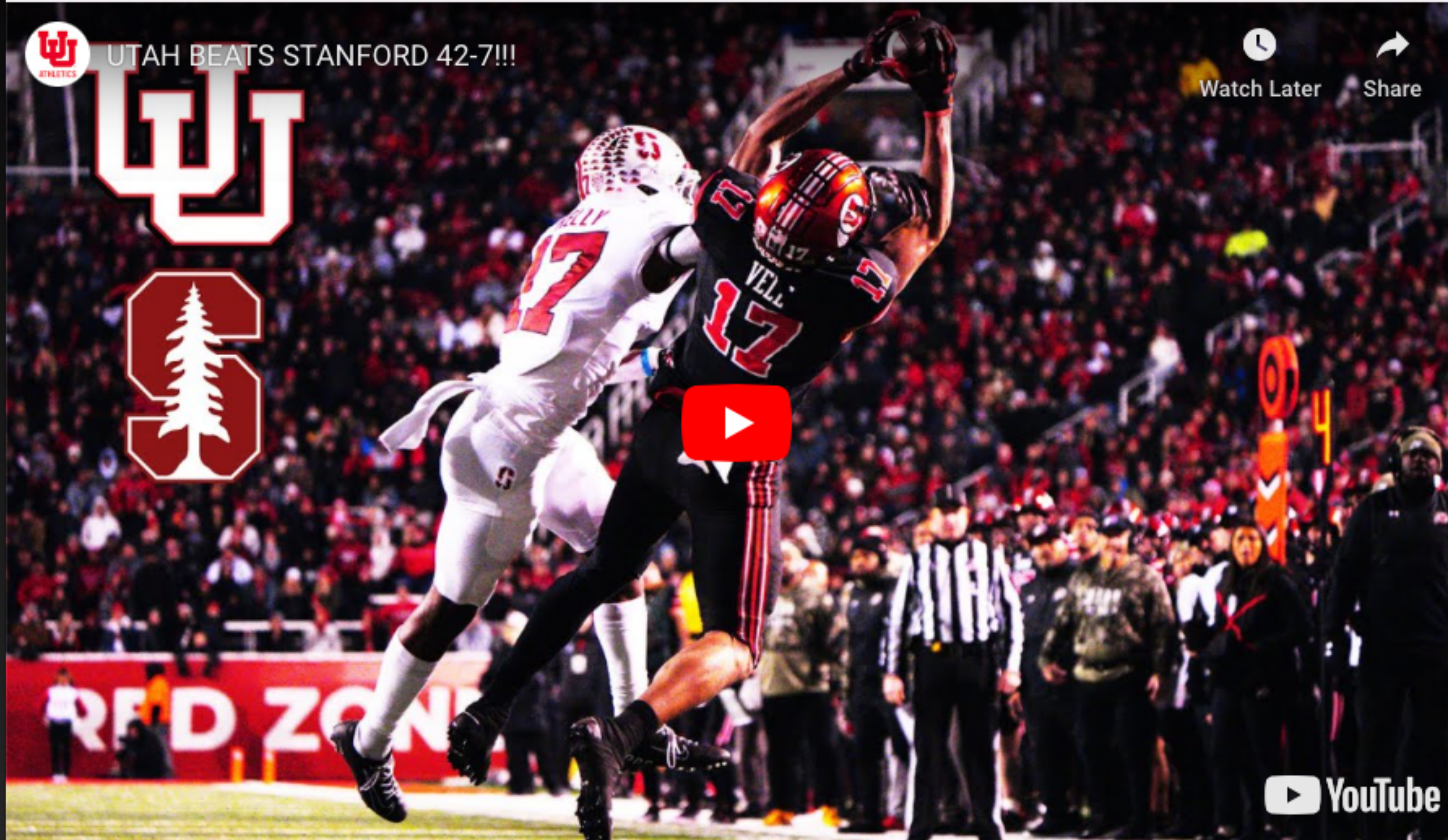
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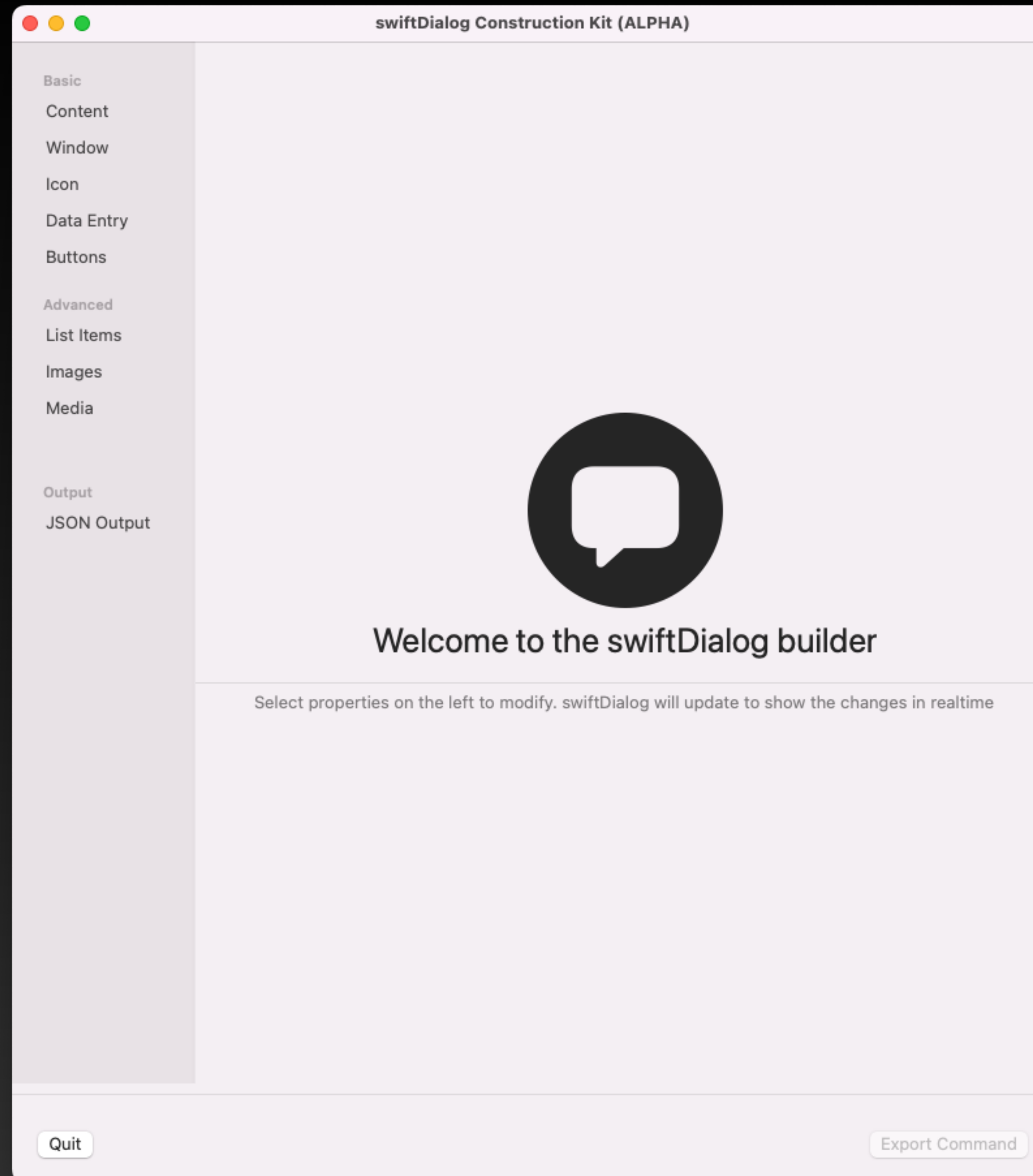
OK



Youtube support




OK




Available on Jamf Marketplace



jamf

My Apps Log Out



swiftDialog

Licensing: [github.com/bartreardon...](#)

Documentation: [github.com/bartr...](#)

Support: [github.com/bartreardon/s...](#)

Website: [github.com/bartreardon/s...](#)

Version: 1.10.2

Tags: Automation Tools, Content Delivery, Communication, Script, Notifications

Get It

swiftDialog is a simple app that displays a dialog with specified content passed in from the command line. Its purpose is to act as a way to show an informative message to an end user, called via script, and relay back the users actions.

swiftDialog's interface is fully customisable allowing you to display images from file, URL or can even read the icon from an Application path. More details on how swiftDialog can be made to show the detail you want can be found in [the wiki](#)

swiftDialog requires macOS 11 or newer.

We hope you find this utility useful. Please file any [issues](#) or [feature requests](#) via Github

Features

Every aspect of swiftDialog's appearance can be modified.

At the most simple level you need only give swiftDialog a Title and a Message to display but there is more utility in modifying other aspects of the appearance:

- Pass in an image resource to display as the swiftDialog icon, or use an app path or system preference bundle path and swiftDialog will extract the icon for display.
- Add extra buttons. Change the text to say what you want. Wait for user input or automatically time out.

Display a menu

swiftDialog

Resources



- Github Wiki <https://github.com/bartreardon/swiftDialog/wiki>
- <https://github.com/bartreardon/swiftDialog-scripts>
- #swiftdialog on MacAdmins Slack