Outset 4

The Swift port

What is outset

A utility that automatically processes packages and scripts during boot, user logins, or on demand.

What is outset

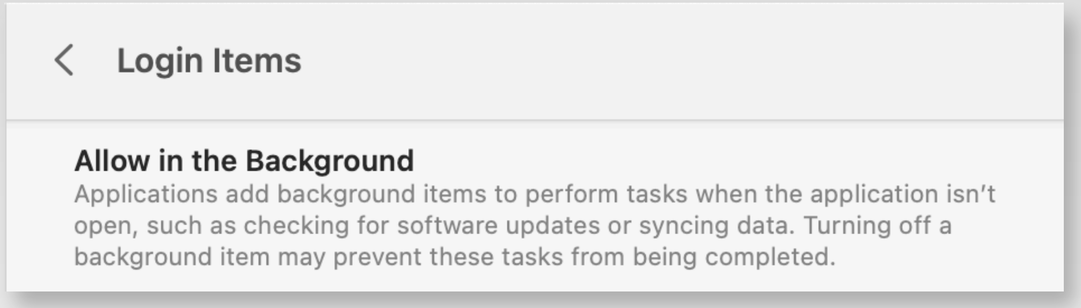
Joseph Chilcote

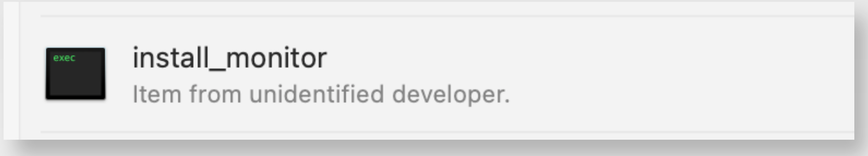
https://github.com/chilcote

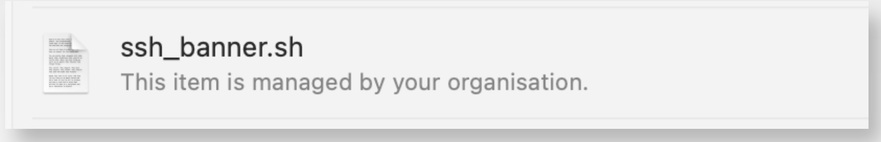
How it Works

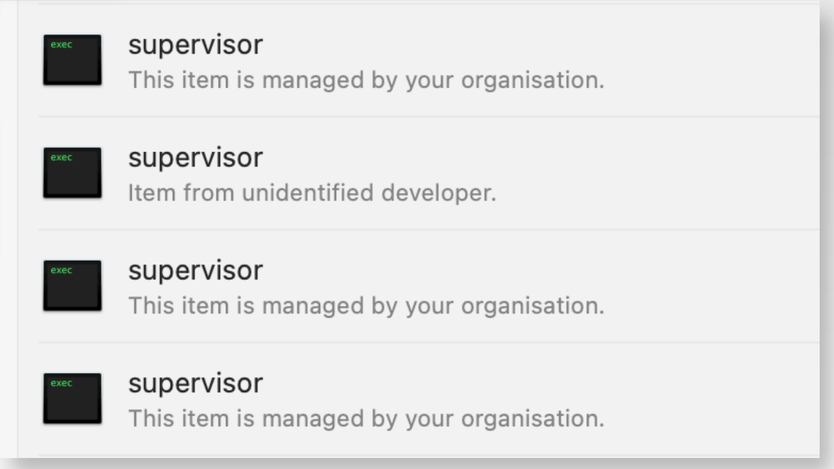
- Collection of launch daemons and agents
- Standard folders to contain scripts and packages
- Keeps track of "run once" state for boot and login

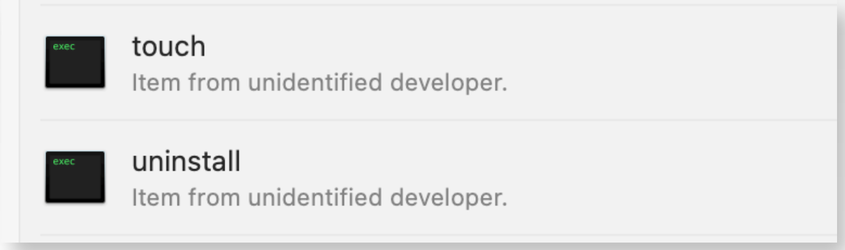
Why it is still relevant

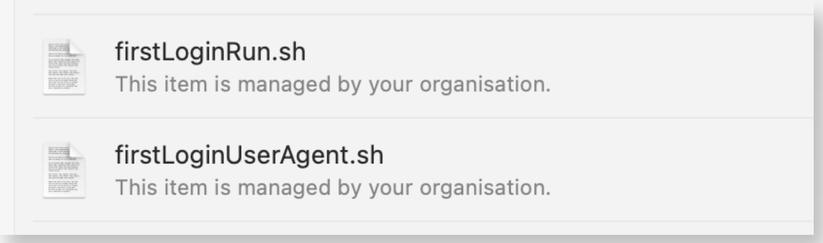












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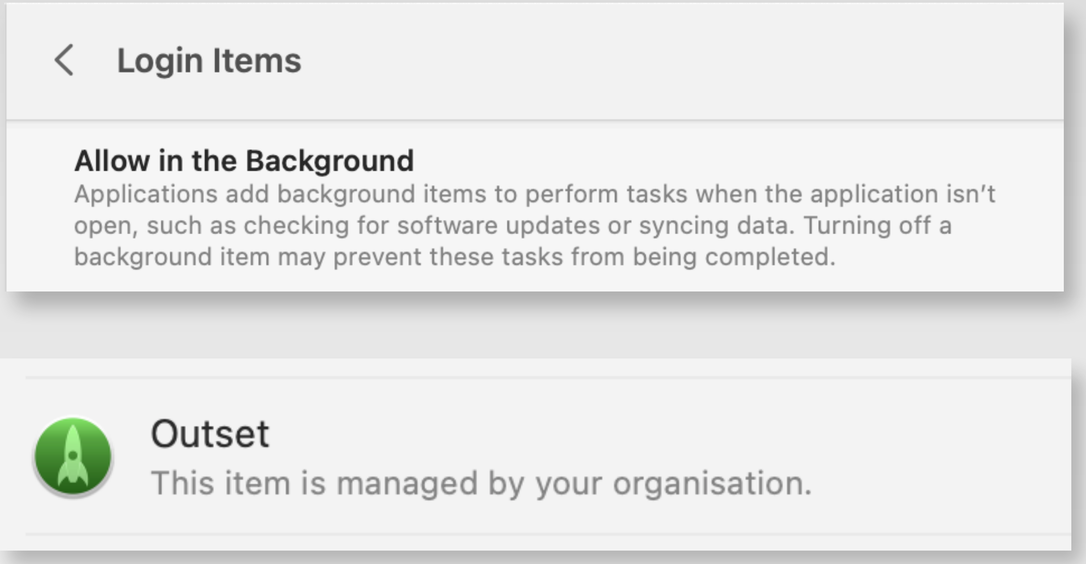
Why it is still relevant



Porting to Swift

Goals:

- Replicate existing behaviour
- Update to be more modern (UserDefaults)
- Additional Features
- Additional Logging

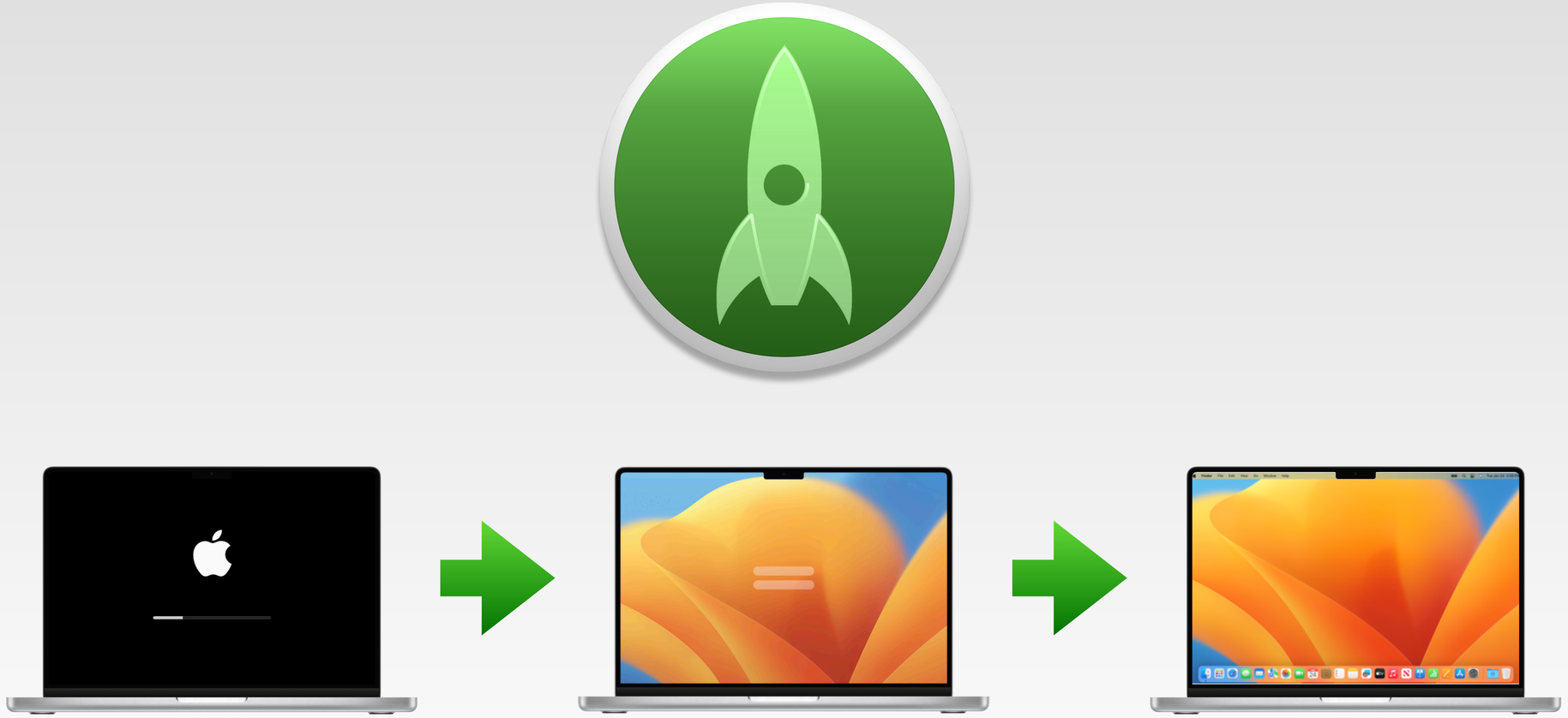
Mac Admins Open Source

https://github.com/macadmins/macadmins.io

@macadminsopensource@hachyderm.io

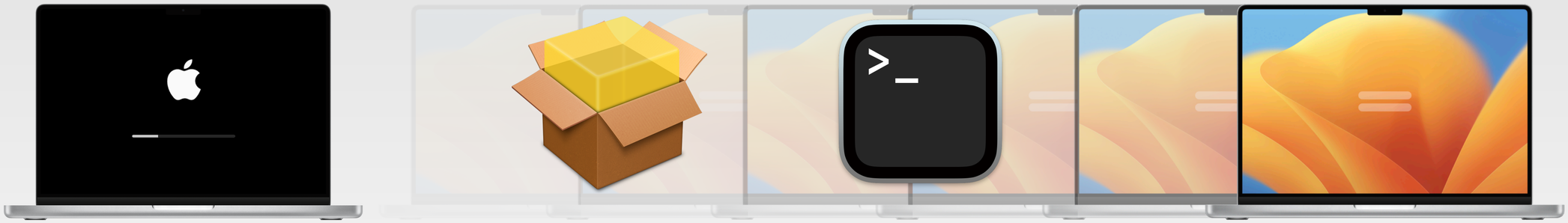
#macadmins-opensource

Functionality



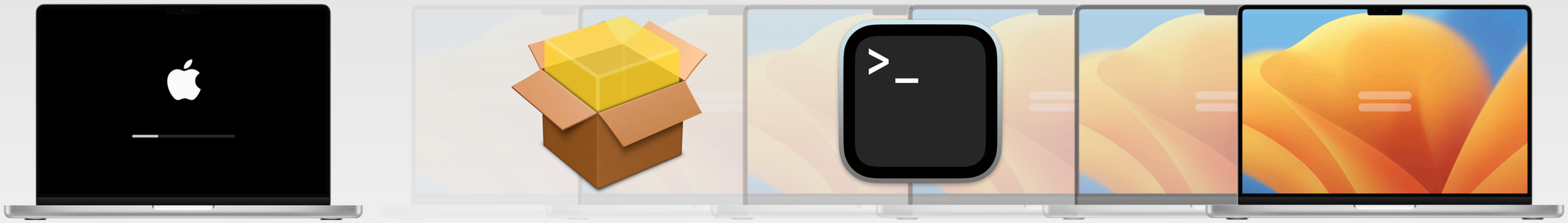
Boot

`/usr/local/outset/boot-once/`



Boot

`/usr/local/outset/boot-every/`

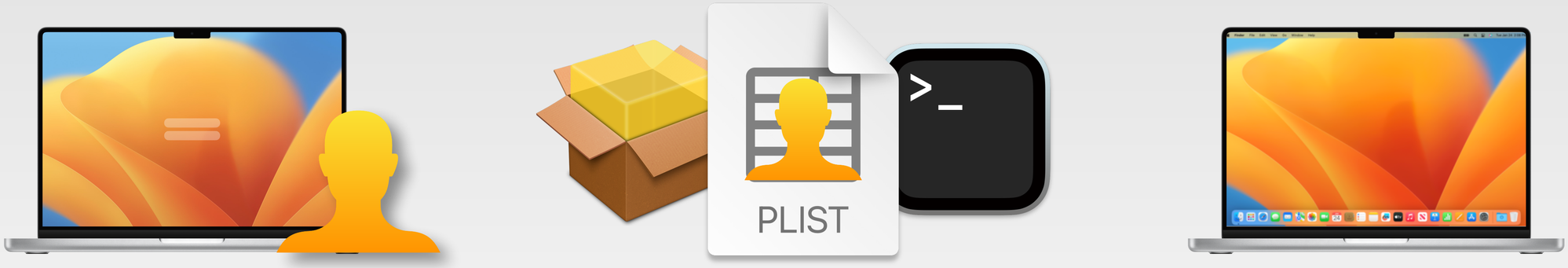


Login Window

`/usr/local/outset/login-window/`

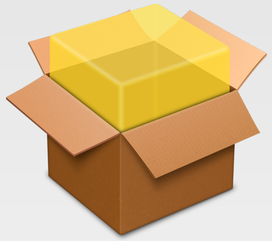
Login

`/usr/local/outset/login-once/`



Login

`/usr/local/outset/login-every/`

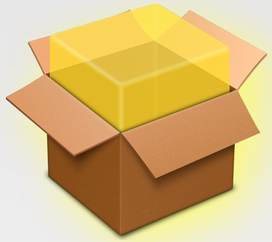


Login

`/usr/local/outset/login-privileged-once/`

Login

`/usr/local/outset/login-privileged-every/`



Login Once Overrides

```
/usr/local/outset/outset --add-override /usr/local/outset/login-once/foo.sh
```

```
/usr/local/outset/outset --remove-override /usr/local/outset/login-once/foo.sh
```

Exclude Users

```
/usr/local/outset/outset --add-ignored-user FOO
```

```
/usr/local/outset/outset --remove-ignored-user FOO
```

Security

```
/usr/local/outset/outset --compute-sha /usr/local/outset/login-every/foo.sh
```

Security

```
/usr/local/outset/outset --compute-sha /usr/local/outset/login-every/foo.sh


SHA256 for file /usr/local/outset/login-every/foo.sh:

6591abcec4e0bdcc75c9509cee7f6ddae0313fef00da9d19586431b88eada436
```

Security

```
<?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>sha256sum</key>
	<dict>
		<key>/usr/local/outset/login-every/foo.sh</key>
		<string>6591abcec4e0bdcc75c9509cee7f6ddae0313fef00da9d19586431b88eada436</string>
	...
	</dict>
</dict>
</plist>
```

Security

io.macadmins.Outset

Preferences

io.macadmins.Outset

Logging

```
log stream --predicate 'subsystem == "io.macadmins.Outset"' --info --debug
```

```
/usr/local/outset/logs/outset.log
```

Thank You 🙂

https://github.com/macadmins/outset/

@bartreardon@aus.social

#outset bartreardon

CSIRO