

# Managing Macs

Things I Wish I Knew Earlier On

*Søren Theilgaard*






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# Søren Theilgaard

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**ENVO IT**

**28,292 trees planted (Sep 2024)**

[www.growingtrees.dk/envo-it](http://www.growingtrees.dk/envo-it)



# Charles Edge

- Damn, you are missed!

# Danish

**Consonants**  
pronounced as **vowels**

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# Røgede ørreder

[Smoked trouts (fish in salmon family)]

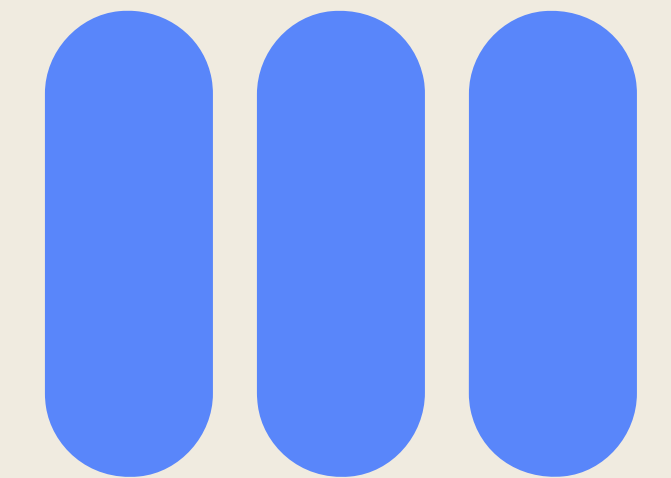
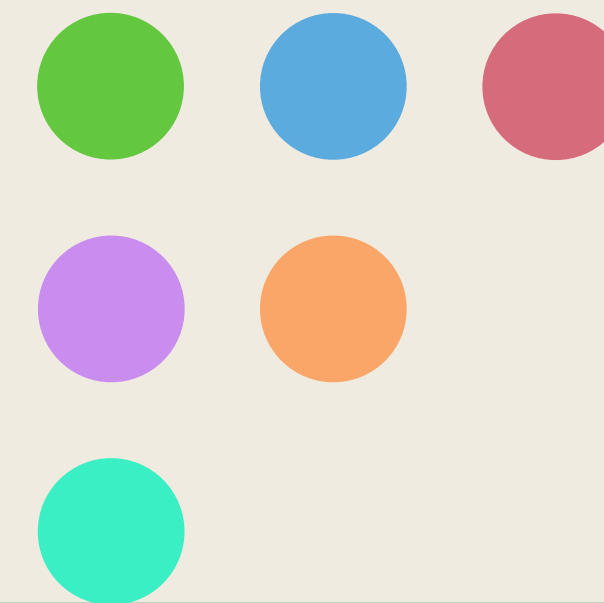
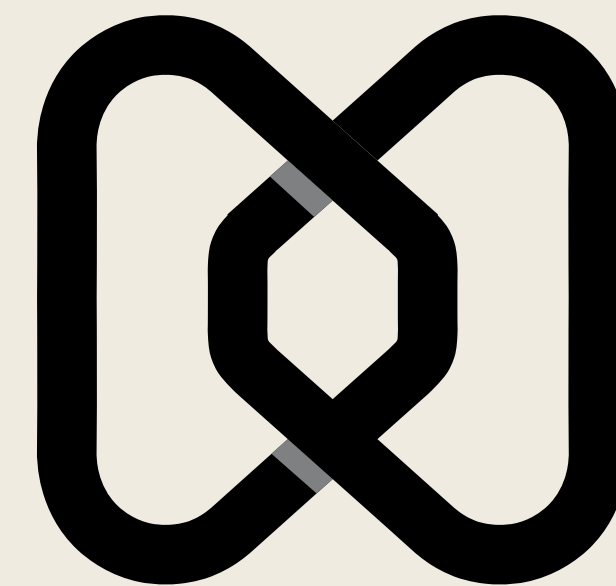
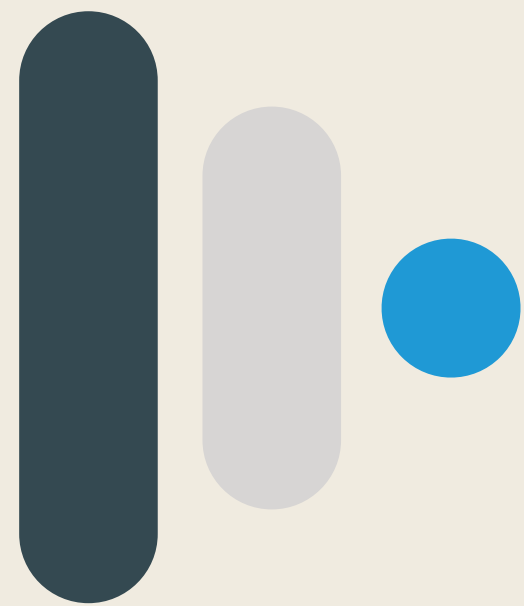
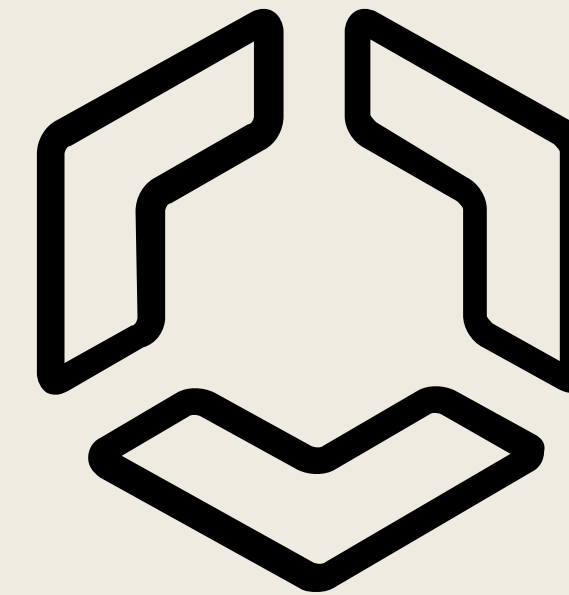
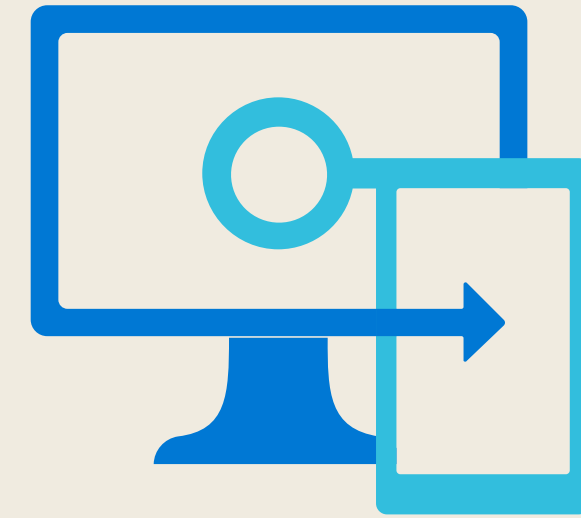
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# Agenda

- MDM protocol
- Agent solution
- DEMO



# MDM solutions



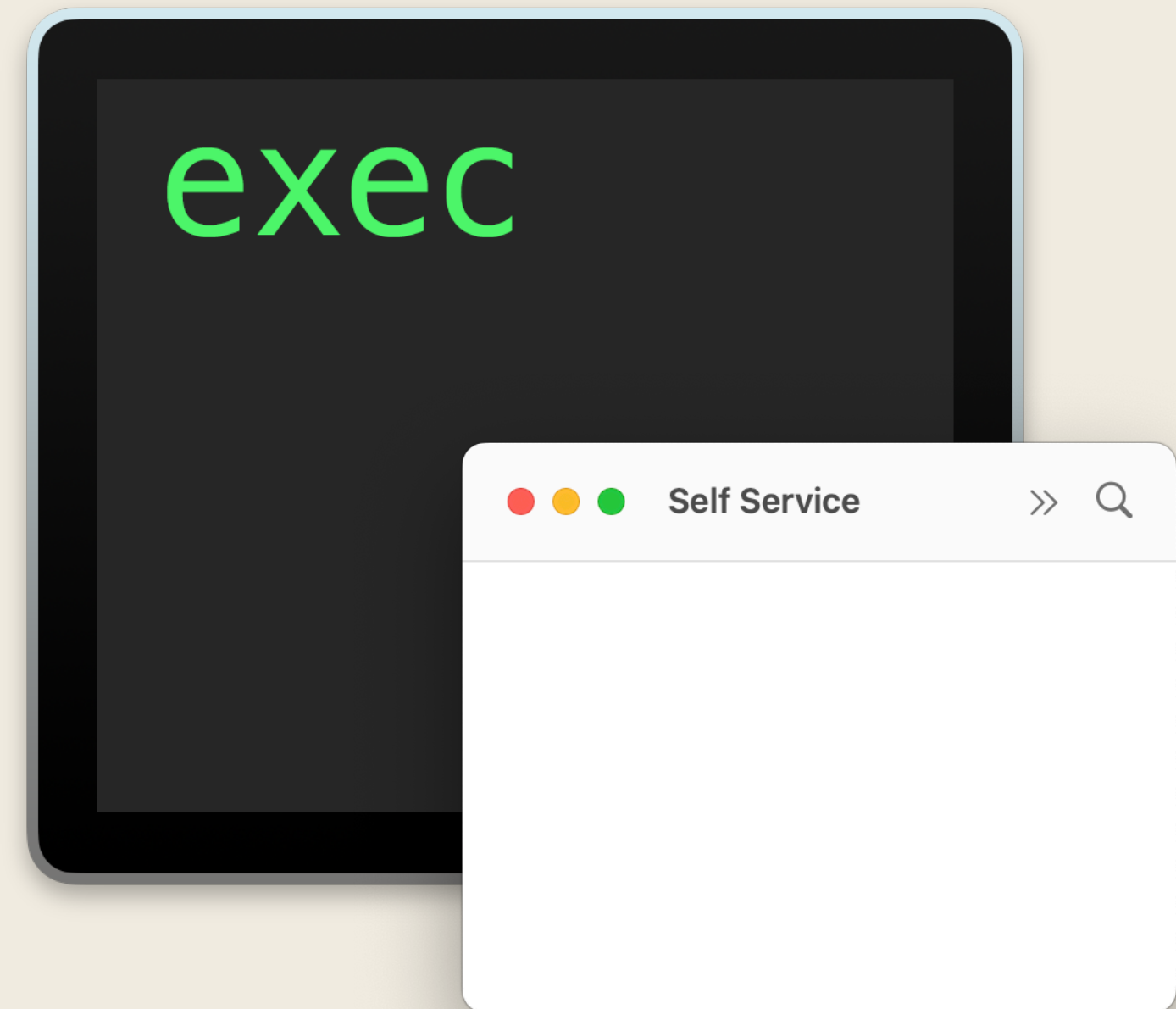
# User Experience vs. Data Security

- Easy access to data
  - Company templates
  - Company links
  - Full Apple experience
  - Private data
- Prevent data leakage
  - Device Compliance
  - Tighten security
  - User risk/trust
  
  - NIS/CIS
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# MDM/DDM



# Agent w. SS



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# Reference from Apple

Apple reference yaml

<https://github.com/apple/device-management>

Apple Payload keys

[https://developer.apple.com/documentation/devicemanagement/profile-specific\\_payload\\_keys](https://developer.apple.com/documentation/devicemanagement/profile-specific_payload_keys)

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# iOS/visionOS: Restriction: Managed data

- key: **allowOpenFromManagedToUnmanaged**

title: Enable allow open from managed to unmanaged

supportedOS:

  iOS:

    introduced: '7.0'

  macOS:

    introduced: n/a

  tvOS:

    introduced: n/a

  visionOS:

    introduced: '2.0'

  watchOS:

    introduced: n/a

type: <boolean>

presence: optional

default: true

content: If 'false', documents in managed apps and accounts only open in other managed apps and accounts. Available in iOS 7 and later. Also available for user enrollment.

# Helpers



<https://imazing.com/profile-editor>

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# Demo

# Helpers



<https://trusted.jamf.com/docs/establishing-compliance-baselines>

<https://www.cisecurity.org/>



# Demo

# Problem

- Users cannot change password
- What does Jamf have in a Restriction profile?

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# Troubleshooting

Installed profiles:

```
profiles -P -o stdout > profiles.txt
```

# Demo

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# Troubleshooting

Search for something:

```
profiles -P -o stdout | grep -E -i "${searchString}"
```

Wifi profile installation:

```
"\"SSID_STR\" = [\"]?Enterprise[\"]?"
```

Microsoft SSO profile:

```
"ExtensionIdentifier = \"com.microsoft.CompanyPortalMac.ssoextension\""
```

Microsoft OneDrive profile:

```
"PayloadType = \"com.microsoft.OneDrive\""
```

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# 3<sup>rd</sup> Party Solution components

- Show notifications and dialogs: **swiftDialog**
    - <https://github.com/swiftDialog/swiftDialog>
  - Install and update apps from latest versions: **Installomator**
    - <https://github.com/Installomator/Installomator>
  - Enrollment installation: **Baseline, Setup Your Mac, Jamf Setup Manager**
    - <https://github.com/SecondSonConsulting/Baseline>
    - <https://snelson.us/2024/06/setup-your-mac-1-15-0-with-sym-helper-1-2-0-via-swiftdialog-2-5-0/>
    - <https://github.com/Jamf-Concepts/Setup-Manager/>
  - Restart handling: **Renew**
    - <https://github.com/SecondSonConsulting/Renew/>
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**Thank you!**