Workplace Ninja User Group Finland

31.10.2025

Etätapaaminen

macOS-hallinnan osa 3/4 – sovellukset ja skriptit

Petri Paavola, Ninja MVP

31.10.2025

macOS Intune-sovellusjakelut

PKG DMG VPP/StoreApp OfficeSuite …

macOS Shell-skriptit

Vain taivas on rajana ?-)

Custom attributes for macOS

Custom inventaario skripteillä

macOS Community Tools

Näissä on aika herkkuja ☺

Petri Paavola

**Microsoft MVP –
Windows and Intune**

Senior Modern Management Principal

Petri.Paavola@yodamiitti.fi

Skills

› **Powershell / Graph API**

› **AI**

› **Windows Autopilot + Intune + Intune for Edu**

› **Modern Device Management**
   Win,macOS,Linux,iOS,Android

› **Traditional on-prem deployment and**
   management

› **Consulting &Training**

@petripaavola
@intune.ninja

https://github.com/petripaavola
Intune.ninja
Powershell.ninja

Over 25 years of work experience

Current (10+ years):

› **Yodamiitti Oy / Owner**
   Consulting / Training

Past:

› **Aalto university / IT-services**
   Responsible for Workstation service

Intune macOS-sovellusjakelut

PKG DMG VPP/StoreApp OfficeSuite …

Intune macOS-sovellusjakelut

- **Kaikki sovellukset saadaan nykyään jaettua Intunen keinoin**
  - **Kaikki ?-)**
- **PKG**
- **DMG**
- **Microsoftin sovellukset built-in: mm. Office ja Edge**
- **Apple[Business|School]Manager/Store VPP**

Select app type
Create app

App type

Select app type

Microsoft 365 Apps
macOS

Microsoft Edge, version 77 and later
macOS

Microsoft Defender for Endpoint
macOS

Web Application
macOS web clip

Other

Web link

Line-of-business app

macOS app (DMG)

macOS app (PKG)

Intune macOS-sovellusjakelut

- **3rd party sovellushallinta: mm. Munki, Homebrew, IntuneBrew, …**

- **Mitä tahansa Shell-skriptien kautta**
  - https://github.com/microsoft/shell-intune-samples/tree/master/macOS

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PKG

- **Ensisijaisin pakettiformaatti?**

- **Pre-install script**

- **Post-install script**

- **Detection rule automaattisesti, mutta raahaa ylimmäksi pää-appsi**

DMG

- **Ei pre- ja post-skriptejä**
- **Detection rule täytyy hakea itse**

App information   Requirements   **Detection rules**   Review + save

Ignore app version ⓘ   [**Yes**   No]

Configure the app bundle identifiers and version numbers to be used to detect the presence of the app.

Included apps

ⓘ Provide the list of apps included in the uploaded file. The app list is case-sensitive. The app listed first is used as the primary app in app reporting. Learn more about included apps.

App bundle ID (CFBundleIdentifier)	App version (CFBundleShortVersionString)	
org.mozilla.firefox	126.0	🗑
Enter bundle ID	Enter app version	

- **Joko komennoilla:**
  - defaults read "/Applications/Google Chrome.app/Contents/Info" CFBundleIdentifier
  - defaults read "/Applications/Google Chrome.app/Contents/Info" CFBundleShortVersionString
- **Tai mountatun dmg-imagen tai asennetun Appsin hakemistosta:**
  - Contents/**Info.plist**

Hyvää dokumentaatiota jakeluista

- **Lue Ugurin IntuneBrew-saitin ohjeet**

- **Hyvää yleistä tarinaa sovellusjakeluista**

- https://docs.intunebrew.com/docs/Managing-macOS-Apps-in-Microsoft-Intune

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DEMO

Intune macOS Shell-skriptit

Intune macOS Shell-skriptit

- Konfiguraatiot
- Sovellusjakelut

- Mitä jännää olette tehneet skripteillä?

- https://github.com/microsoft/shell-intune-samples/tree/master/macOS/Config

DEMO

Custom attributes for macOS

Custom inventaario omilla skripteillä

Custom attributes for macOS

- **Hae koneista inventaariotietoa skriptien avulla**

- https://github.com/microsoft/shell-intune-samples/tree/master/macOS/Custom%20Attributes

- https://ugurkoc.de/get-local-admins-and-last-reboot-time-on-macos-devices-using-custom-attributes/

- https://www.intunemacadmins.com/custom-attributes/what_are_custom_attributes/

- https://www.intunemacadmins.com/custom-attributes/create_custom_attributes/

# DEMO

macOS Community Tools

Ei kai kaikkea tarvitse keksiä itse ☺

HomeBrew

- **Homebrew** is a powerful, open-source package manager that makes it effortless to install, update, and manage software on macOS (and Linux).
With a single command, IT admins and developers can automate app deployment, libraries, and CLI tool installations.

- **Key highlights:**
  - Installs apps and tools directly from the command line (brew install)
  - Manages dependencies and updates with ease
  - Supports custom repositories ("taps") for organization-specific packages
  - Integrates well with automation workflows and CI/CD pipelines
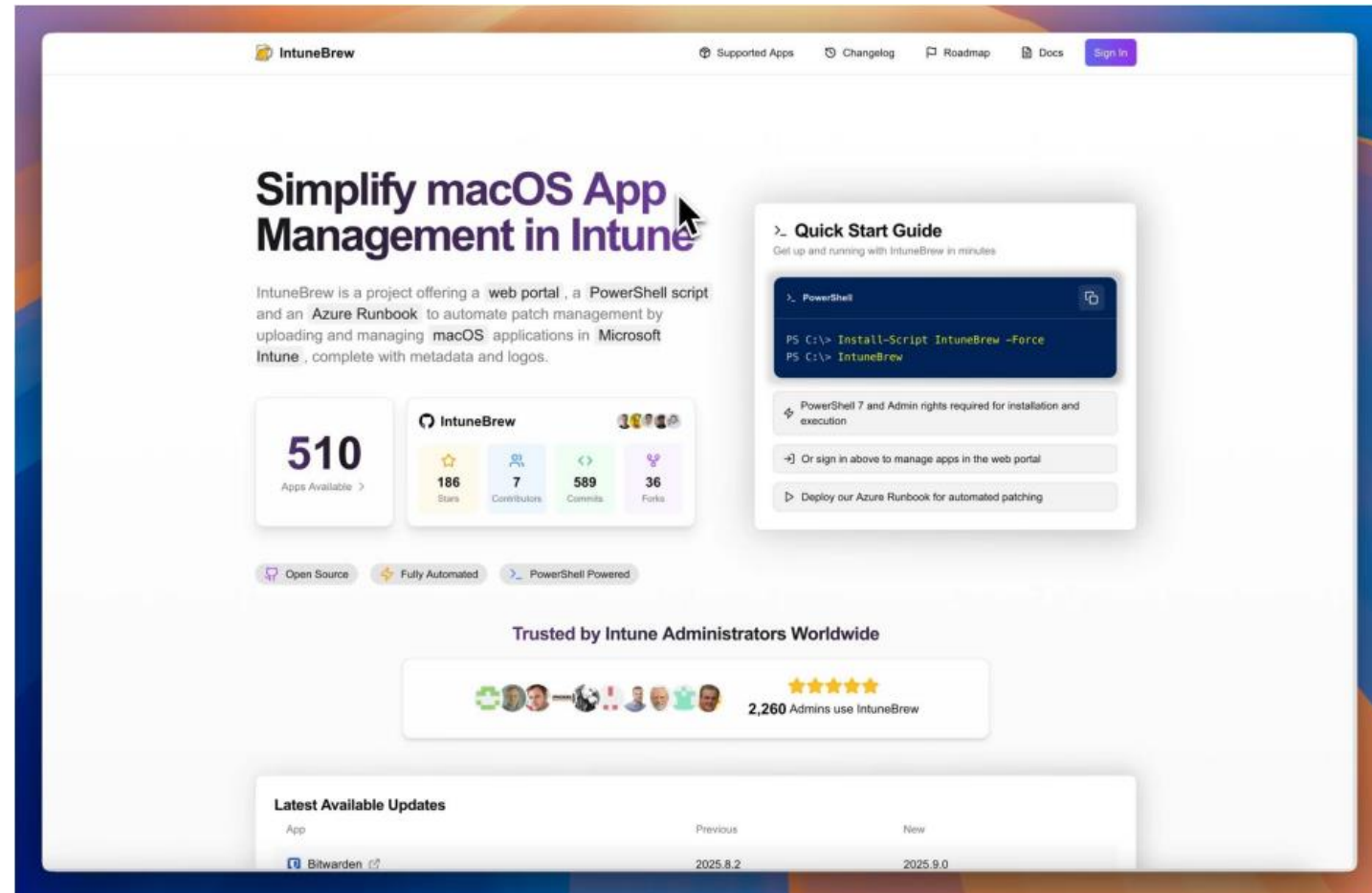 - Backed by a large and active open-source community

- https://brew.sh/
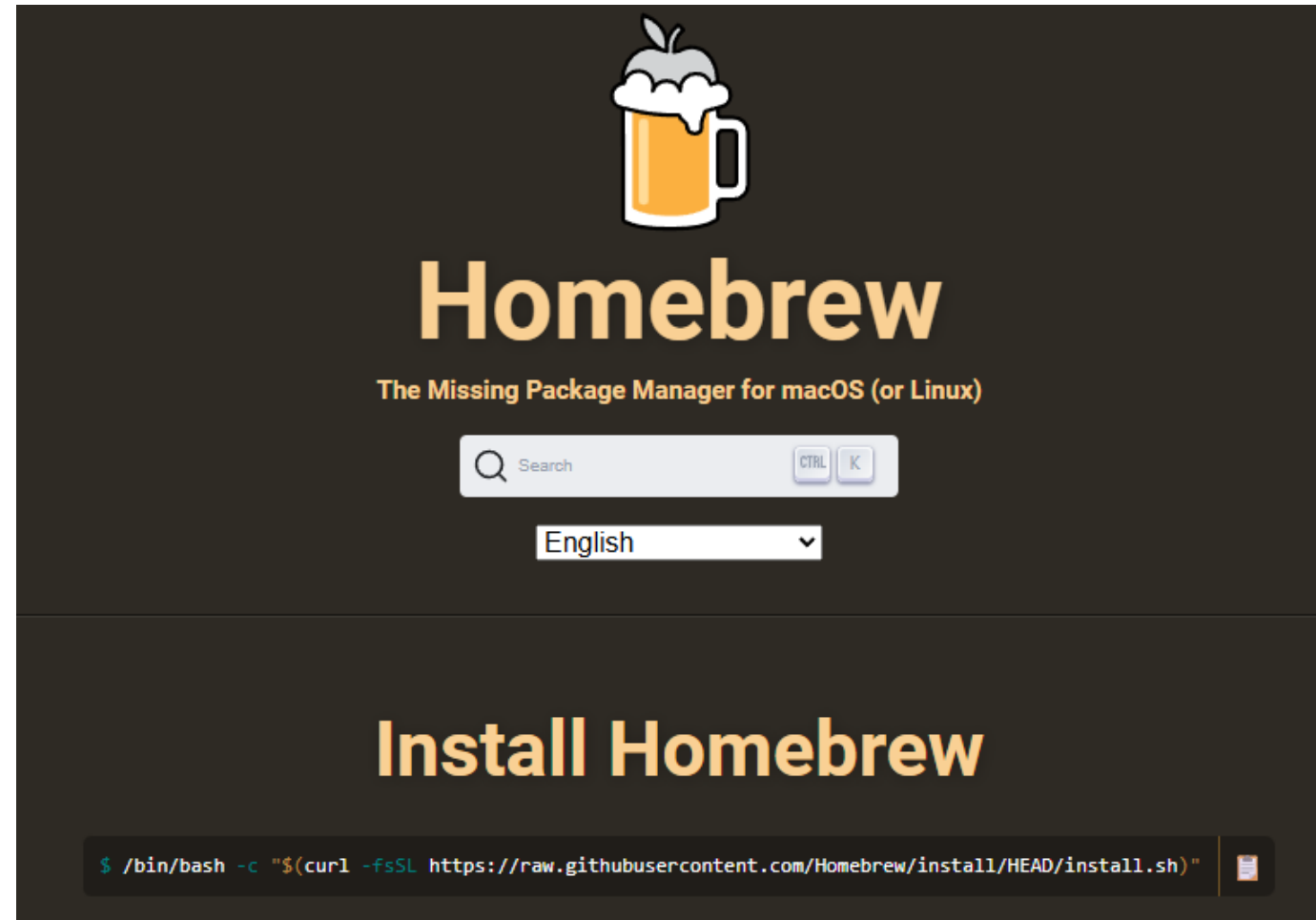
IntuneBrew

- Pakettien lataus Intuneen täysin automaattisesti
- App sourcena toimi HomeBrew
- Hallinta joko
- https://www.intunebrew.com/

- Tai PowerShell-skriptillä: **./IntuneBrew.ps1**

- https://github.com/ugurkocde/IntuneBrew

IntuneBrew Companion

- **IntuneBrew Companion**

- **Intune Company Portalin "kilpailija"**

- https://github.com/ugurkocde/IntuneBrew
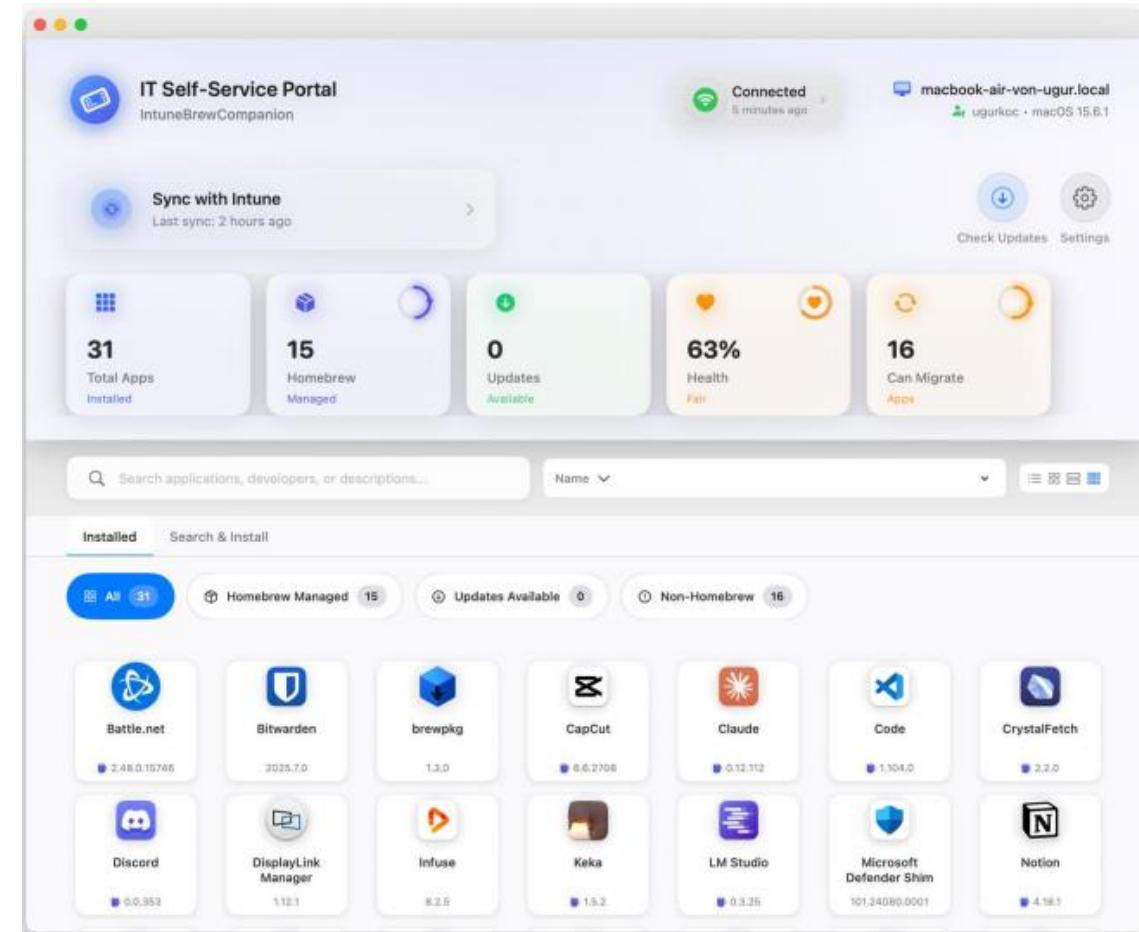
brewpkg

- **brewpkg**
- **Paketoi sovelluksia helposti**

- https://github.com/ugurkocde/brewpkg
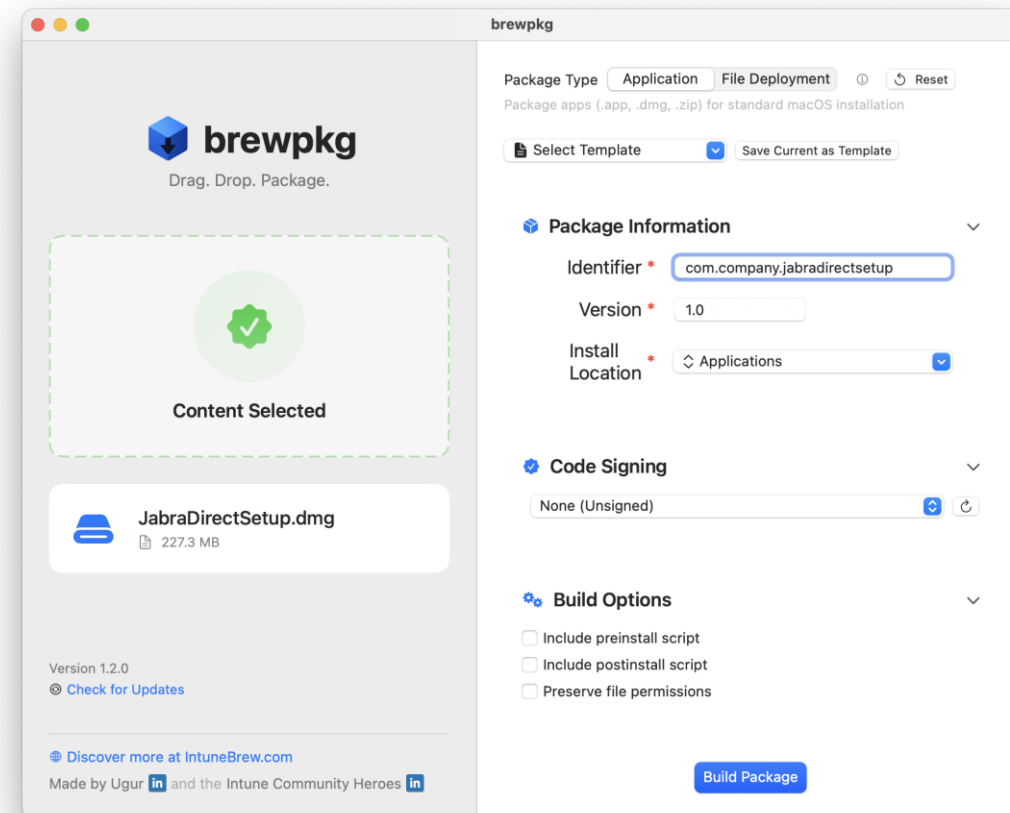
Araelium: Packagebuilder

- **Paketoi sovelluksia helposti**

- https://www.araelium.com/packagebuilder

Installomator

- **Open-source**

- **Asenna sovelluksia Intune Shell -skripteillä**

- **1000+ sovellusta**
  - https://github.com/Installomator/Installomator/blob/main/Labels.txt

- https://github.com/Installomator/Installomator

AutoPkgr

- **AutoPkgr** is a free, community-driven macOS tool that simplifies application packaging and deployment automation. It provides a **graphical interface for AutoPkg**, allowing IT admins to easily download, package, and distribute macOS applications without needing to write complex scripts.

- **Key highlights:**
  - Automates app updates, packaging, and recipe management
  - Integrates with tools like **Munki, Jamf Pro, and Microsoft Intune**
  - Ideal for simplifying large-scale macOS app maintenance
  - Built and maintained by the macOS admin community

- https://github.com/lindegroup/autopkgr
(varmista oikea repo, mutta työkalu on AutoPkgr

macOS ESP

- https://github.com/ugurkocde/macOSESP
- https://www.mac-esp.com/

Kiitos