The Fellowship of the Feed: Migration Journey with ProGet & Chocolatey

Today's Agenda

- Introducing Chocolatey Software and Inedo
- Best practices of Chocolatey for the enterprise
- How ProGet gives you control, reliability, and visibility
- A short demo migrating from Nexus to ProGet

I'm Stephen from Chocolatey Software

- *Stephen is the Customer Solutions Manager who focuses on customer success, experience, and usage of Chocolatey Software products. He enjoys teaching people how to use Chocolatey to improve end-user experience for their organizations.*

Hi, I'm Mike!

- COO of Inedo

- Work with Enterprise ProGet & BuildMaster users

- New client opportunities

- Marketing projects

- Personal stuff:
  - ○ Married
  - ○ Brown belt, Brazilian jiu jitsu (nogi)
  - ○ Two dogs (Two Bit, Calista)

Chocolatey & Best Practices for the Enterprise

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Chocolatey is a Windows package manager that **automates software installation, updates, and configuration management** through both a command-line interface and a UI.

Chocolatey Community Repository (CCR) is an open-source community providing pre-built packages for the community so that you don't need to write complex scripts.
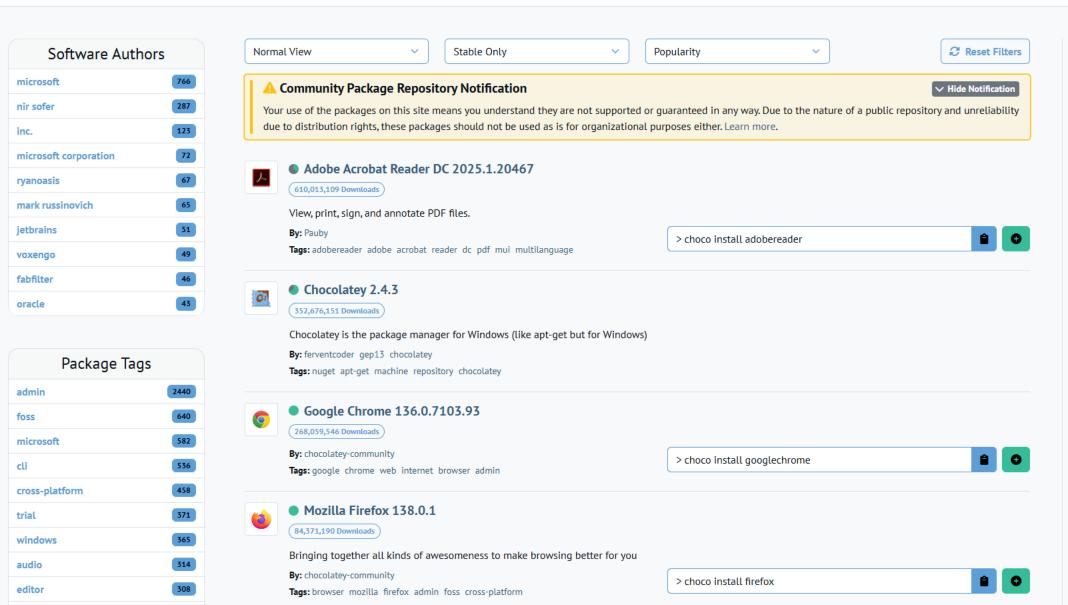
Manage Package Preferences

There are 10503 Stable Community Maintained Packages

Software Authors

microsoft	766
nir sofer	287
inc.	123
microsoft corporation	72
ryanoasis	67
mark russinovich	65
jetbrains	51
voxengo	49
fabfilter	46
oracle	43

Package Tags

admin	2440
foss	640
microsoft	582
cli	536
cross-platform	458
trial	371
windows	365
audio	314
editor	308

Normal View ⌄

Stable Only ⌄

Popularity ⌄

↻ Reset Filters

● **Adobe Acrobat Reader DC 2025.1.20467**

610,013,109 Downloads

View, print, sign, and annotate PDF files.

By: Pauby

Tags: adobereader adobe acrobat reader dc pdf mui multilanguage

> choco install adobereader

● **Chocolatey 2.4.3**

352,676,151 Downloads

Chocolatey is the package manager for Windows (like apt-get but for Windows)

By: ferventcoder gep13 chocolatey

Tags: nuget apt-get machine repository chocolatey

● **Google Chrome 136.0.7103.93**

268,059,546 Downloads

By: chocolatey-community

Tags: google chrome web internet browser admin

> choco install googlechrome

● **Mozilla Firefox 138.0.1**

84,371,190 Downloads

Bringing together all kinds of awesomeness to make browsing better for you

By: chocolatey-community

Tags: browser mozilla firefox admin foss cross-platform

> choco install firefox

Resources

Watch videos, read documentation, and hear Chocolatey success stories from companies you trust.

View Resources

UNPACKING SOFTWARE

Join our monthly Unpacking Software livestream to hear about the latest news, chat and opinion on packaging, software deployment and lifecycle management!

Learn More

CHOCOLATEY PRODUCT SPOTLIGHT

https://ch0.co/spotlight

Join the Chocolatey Team on our regular monthly stream where we put a spotlight on the most recent Chocolatey product releases. You'll have a chance to have

Chocolatey

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proget (Install) 24.0.35

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This Package Contains an Exempted Check

Not All Tests Have Passed

⌄ Hide Checks

✓ Validation Testing Passed

🚫 Verification Testing Exemption: Details
   Installation takes too long on test environment. (Known to work in local test environment)

✓ Scan Testing Successful: Details
   No detections found in any package files

Downloads:
34,045

Downloads of v 24.0.35:
19

Last Update:
05 May 2025

Package Maintainer(s):
inedo
steviecoaster
imm0rtalsupp0rt

Software Author(s):
Inedo

Tags:
proget   inedohub

Software Specific:
Software Site
Software License
Software Docs
Software Issues
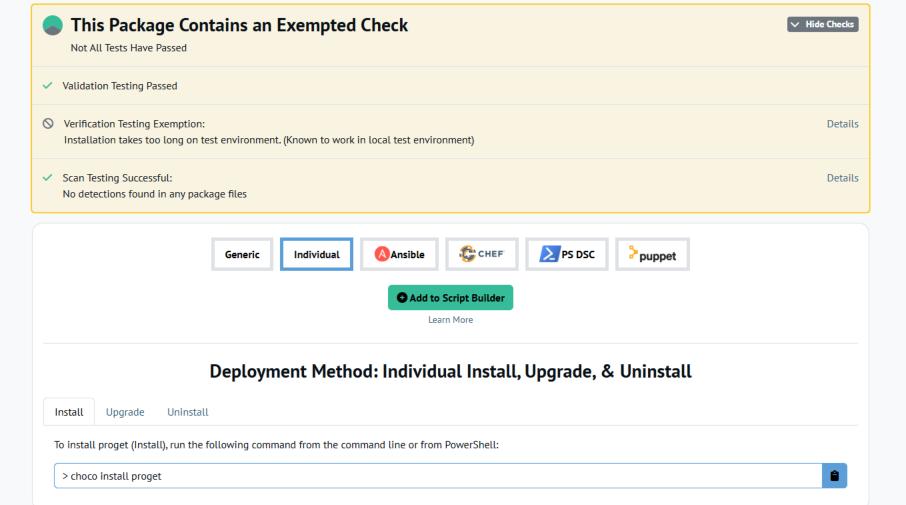
Package Specific:
Package Source

Generic | Individual | Ⓐ Ansible   CHEF   PS DSC   puppet

⊕ Add to Script Builder

Learn More

Deployment Method: Individual Install, Upgrade, & Uninstall

Install   Upgrade   Uninstall

To install proget (Install), run the following command from the command line or from PowerShell:

> choco install proget

Script includes links to installer

```
tools\chocolateyinstall.ps1

$ErrorActionPreference = 'Stop'

$DisplayName = 'Adobe Acrobat'

# all checksum types are the same
$allChecksumType = 'SHA256'

$MUIurl = 'https://ardownload2.adobe.com/pub/adobe/reader/win/AcrobatDC/2500120467/AcroRdrDC2500120467_MUI.exe'
$MUIchecksum = '28042D4734C705F48BA403656D79A9371C699EE48C12A58460BC4CC3A34EAE70'

$MUIurl64 = 'https://ardownload2.adobe.com/pub/adobe/acrobat/win/AcrobatDC/2500120467/AcroRdrDCx642500120467_MUI.exe'
$MUIchecksum64 = '7DAD1EC39AF8605BCF1F888EF334E3FB28EDAE904781519983F6F90B08DEF74D'

$MUImspURL = 'https://ardownload2.adobe.com/pub/adobe/reader/win/AcrobatDC/2500120467/AcroRdrDCUpd2500120467_MUI.msp'
$MUImspChecksum = 'A2767B7AB3E2EC480916B6B73053DEC8D23530ED4B6601C5EFFCF1E8F72069C1'
```

Internalization and Privatization

- Community packages are not always enterprise-ready:
  - Maintained by volunteers—mostly good, but not perfect
  - Heavily moderated and virus-scanned - but a single malicious or mistaken update can compromise systems
  - Reliability w/required external downloads - Installer links can disappear, breaking automated install
  - Not for direct organizational use – rate-limited
- Your proprietary software or some software are not on the Chocolatey Community Repository
- Internal repositories - packages that encompass the software they represent

🔒 Solution: Save and host Chocolatey packages and installers in your own private repositories—like Sonatype Nexus or ProGet.

Packages are not Just Safer — They are Better

- Faster installations - Packages and installers are served over your internal network—not the public internet

- No public dependency - Avoid downtime from the Chocolatey Community Repository or vendor website outages

- No rate limits - Essential for large-scale deployments and automation

- Improved reliability - Installations always work—even in air-gapped or offline environments

- Full control and traceability - Know exactly what's being installed, when, and where

What Chocolatey for Business (C4B) does

- C4B makes internationalization easier plus a lot more
  - Internalization - Automatically download installers and rewrite package scripts
  - Secure Worldwide Endpoint management with Chocolatey Central Management
  - Self-Service Anywhere – solutions for non-administrators to install approved software
  - Accelerated Package Creation and Optimizations
  - Improved Security and Auditing
- Still requires a private repository server solution
  - C4B doesn't host or serve packages
  - Use with ProGet, Artifactory, or Nexus for storage, curation, and distribution

Changes in Sonatype Nexus' Free Repository Offerings

Most Chocolatey + Nexus Free Users Will Be Affected

- In the past, Chocolatey Software has recommended Nexus

- Organizations could be using Nexus Free

- Recently, new restrictions have been introduced to the Community Edition

- These new restrictions make day-to-day use unreliable

- Most will eventually face errors, outages, and frustration

New Rate Limits in Nexus Community Edition

- Applies to the newest version of Sonatype Nexus Community Edition
- Download requests are capped daily—including Chocolatey package pulls
- When the limit is hit, Chocolatey installs fail with errors
- The limit resets 24 hours after the time it was hit

A Full-Day Lockout at Scale

- Hit the cap at 4 PM = no access until 4 PM tomorrow

- Breaks automation and deployments

- Extra requests might push the reset back even further (unconfirmed)

- Difficult to troubleshoot or predict in real time

Rate Limits Don't Respect Time Zones

- Shared org-wide limit across time zones

- East Coast team hits cap at 5 PM → West Coast blocked until next day

- 2 PM London = 9 AM New York = a full day of lost productivity

- Distributed teams suffer most

Can You Just Stay on the Old Version?

- Rate limits only apply to the latest Nexus Free editions

- Staying on an old version delays the problem—but creates new ones
    - ❌ No support or updates
    - ❌ No new security patches
    - ❌ Risk of breaking changes over time

ProGet as a Great Repository Server Option

Why ProGet

- Works seamlessly as a Chocolatey private repository server

- One or more repositories easily secured and maintained

- Simple setup and easy configuration

- No request or download limits

- Free and paid editions available

- Transparent upgrade path as needs grow

ProGet: A Great Private Repository Solution for Chocolatey

What can ProGet do in general

- Centrally manage all of your packages and containers

- Organize and Curate Internal & External Packages

- Scan and Validate Open-source Packages

- Track and inventory usage with Software Composition Analysis (SCA)

- Easy self-management for installation and upgrades

- Build a Dependable Infrastructure on Your Servers or the Cloud

Common Objection — Migration Risk

- Concern: Migration feels risky or time-consuming

- Reality: It's easier than you think

- Chocolatey packages are portable by design

- Well-documented migration guides available

Live migration demo coming up Now

Migration Demo

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Who is Inedo

- We make DevOps/automation tools
  - ProGet – Universal Package Manager & Private Docker Registry
  - BuildMaster – CI/CD Platform for Application/Release Automation
  - Otter – Server Orchestration/Configuration, Drift Remediation, IaC
- What sets Inedo apart?
  - We don't have customer support rep
  - User-driven Development
  - Self-Managed

Questions?

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