



# Setting Up Your Own Private, Secure Package Repository – Why and How

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Open Source Software Packaging (Chocolatey + More)

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Software Deployment Automation Since 1990



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Session Stuff: <https://github.com/DarwinJS/PowerShellDevOpsSummit2018>



# Your Background

- How many of you work for companies that have formal architecture constraints that will require you to curate packages internally?
- How many of you have created a Chocolatey package?
- How many of you have packaged a PowerShell module?
- How many already have a package repository product deployed?

# FOSS Packages

## Benefits



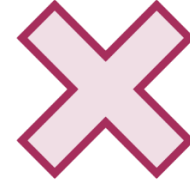
Great Source of Starter Packages

Many Directly Usable

Many Actively Maintained

Source of Packaging Automation Patterns

Automated QA / Virus Checking (choco)



## Challenges

In-depth Configuration and Customization

QA Test Targeting and Variability

Timely Updates

Platform / Integration Targeting = Latest

Package Security



# Curation of Public Packages

- Control Security
- Control Quality
- Guarantee Availability
- Improve Performance
- Reduce Cost
- Change Management

# Package Managers: Shave Fewer Yaks

Decoupled & Encapsulated Automation Artifacts

Greatly Simplified Unit Testing



ANSIBLE



CHEF



puppet  
labs



PowerShell



SCCM



Azure  
Automation



Cloud  
Formation



TeamCity



go



TFS



Octopus Deploy



Setup.exe



MSI



App.appx



Features



MSU



App.zip



App.exe



Auto.ps1

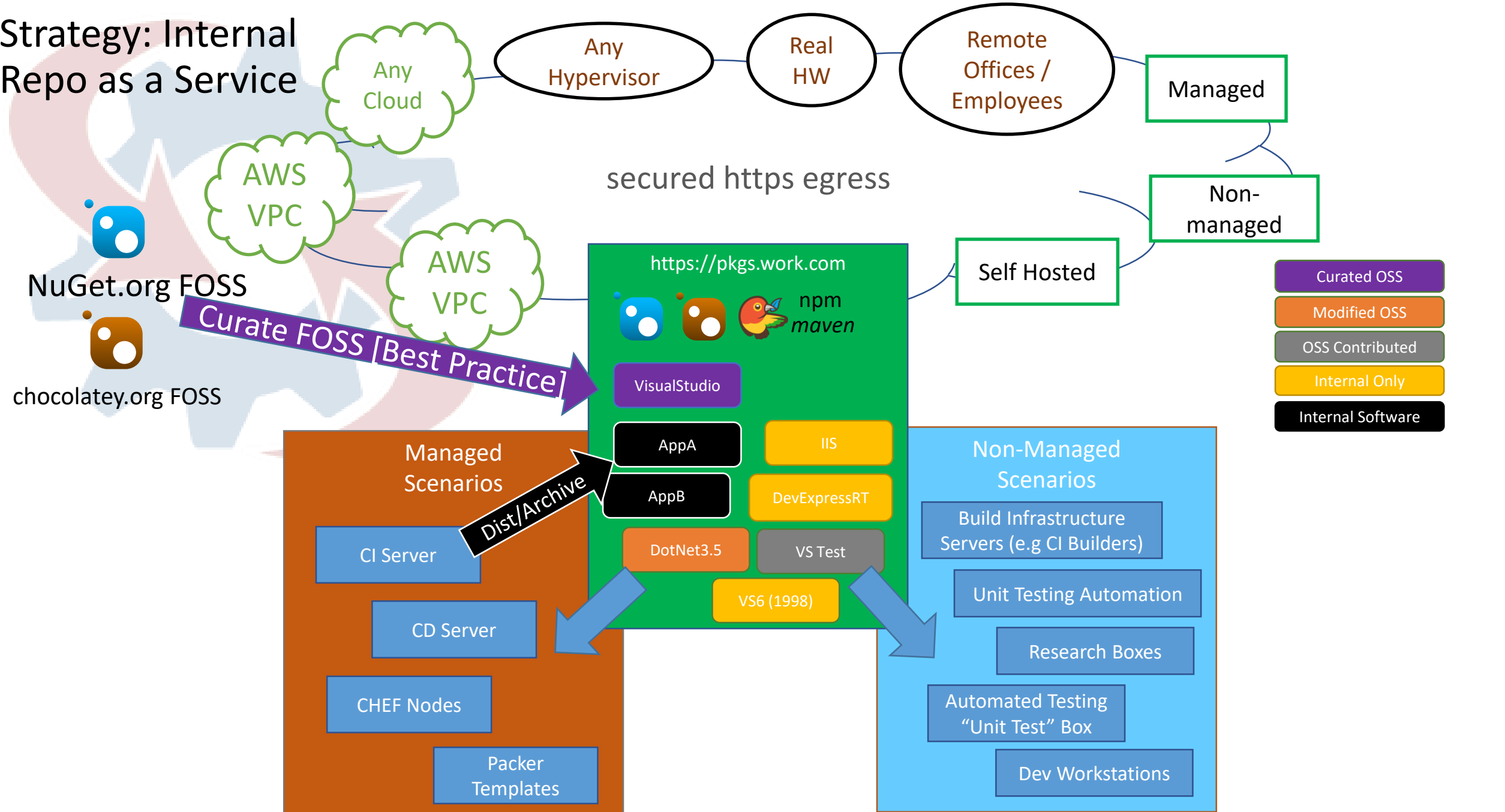


Shavings:

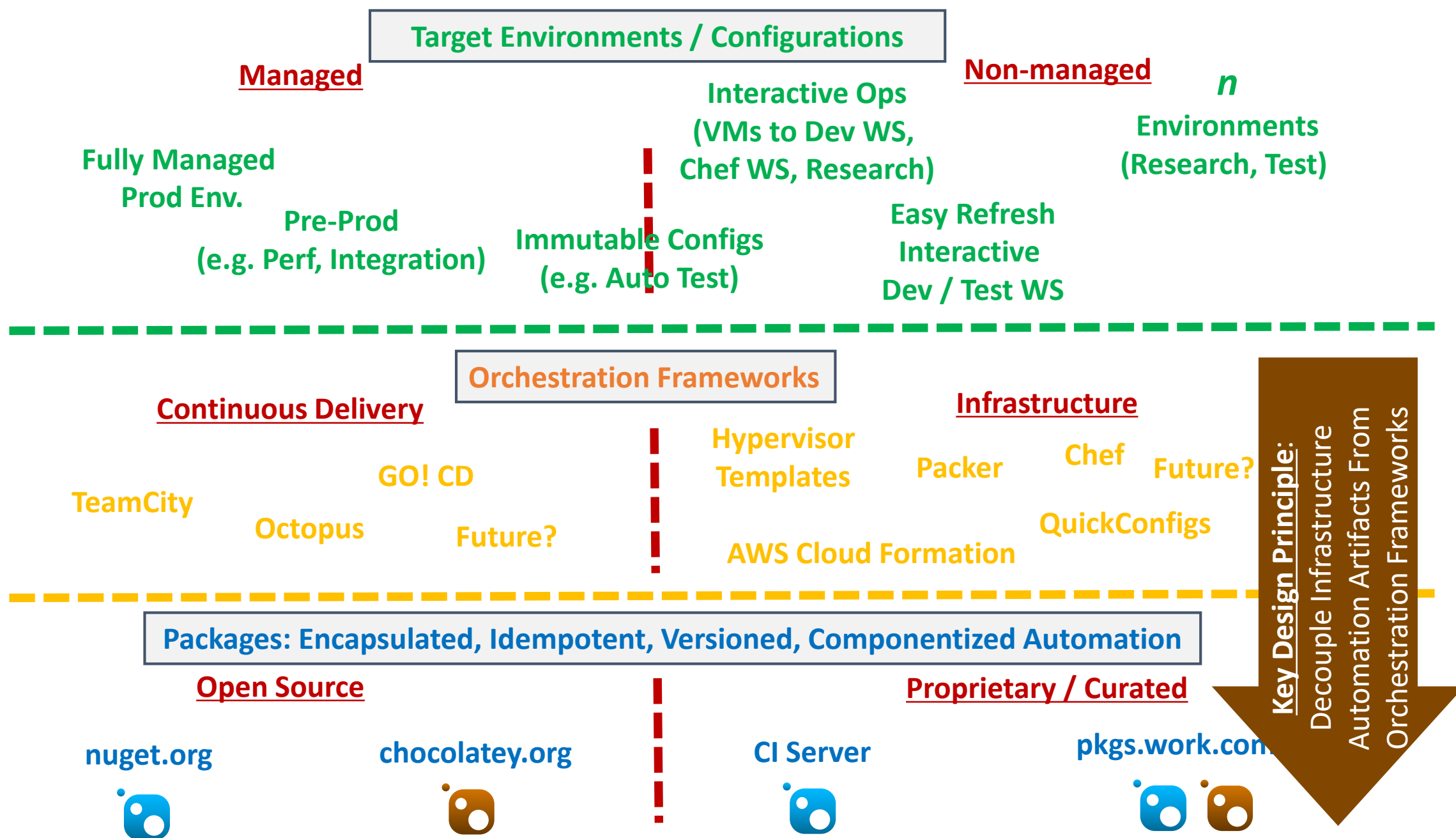
$$11 \times 8 = 88$$

$$11 \times 1 = 11$$

# Strategy: Internal Repo as a Service



# Strategy: Fast, Flexible, Modular Automation



# THANK YOU!

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Code will be added to same location as this slide deck:

<https://github.com/DarwinJS/PowerShellDevOpsSummit2018>

Chocolatey NuGet Essentials for Automation Pros

<https://app.pluralsight.com/library/courses/chocolatey-nuget-automation-pros/table-of-contents>

Do you want more package management  
courses / content?

