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

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Senior Cloud Architect and a Team Lead for Windows & Linux DevOps Tooling

At Infor (Large Portfolio SaaS Company)

Open Source Software Packaging (Chocolatey + More)

Software Deployment Automation Since 1990

Blog: http://cloudywindows.io Twitter: @DarwinTheorizes GitHub: DarwinJS

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

SESSSION DEMOS

- Automated POC Setups for Artifactory, Nexus, ProGet
- Configuring Nexus
- Curating Packages From Chocolatey
- Curating Packages From PowerShellGallery
- Proxied Feeds
- Leveraging Dependencies for Customization
- Leveraging Feeds for Release Promotion
- And more…

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

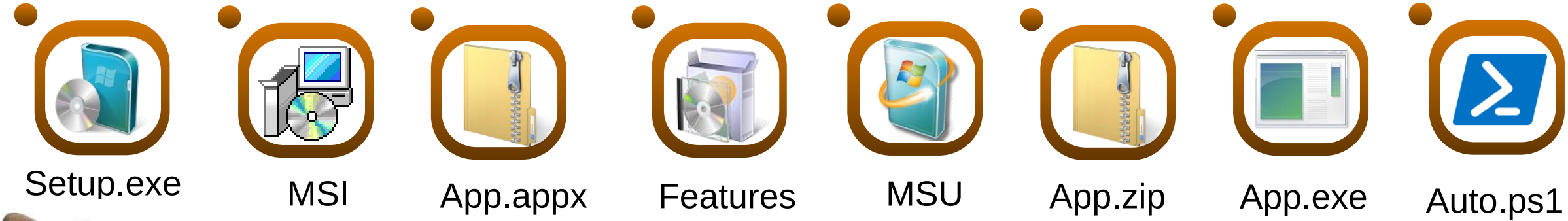
Cloud Formation

TeamCity

go

TFS

Octopus Deploy



Setup.exe

MSI

App.appx

Features

MSU

App.zip

App.exe

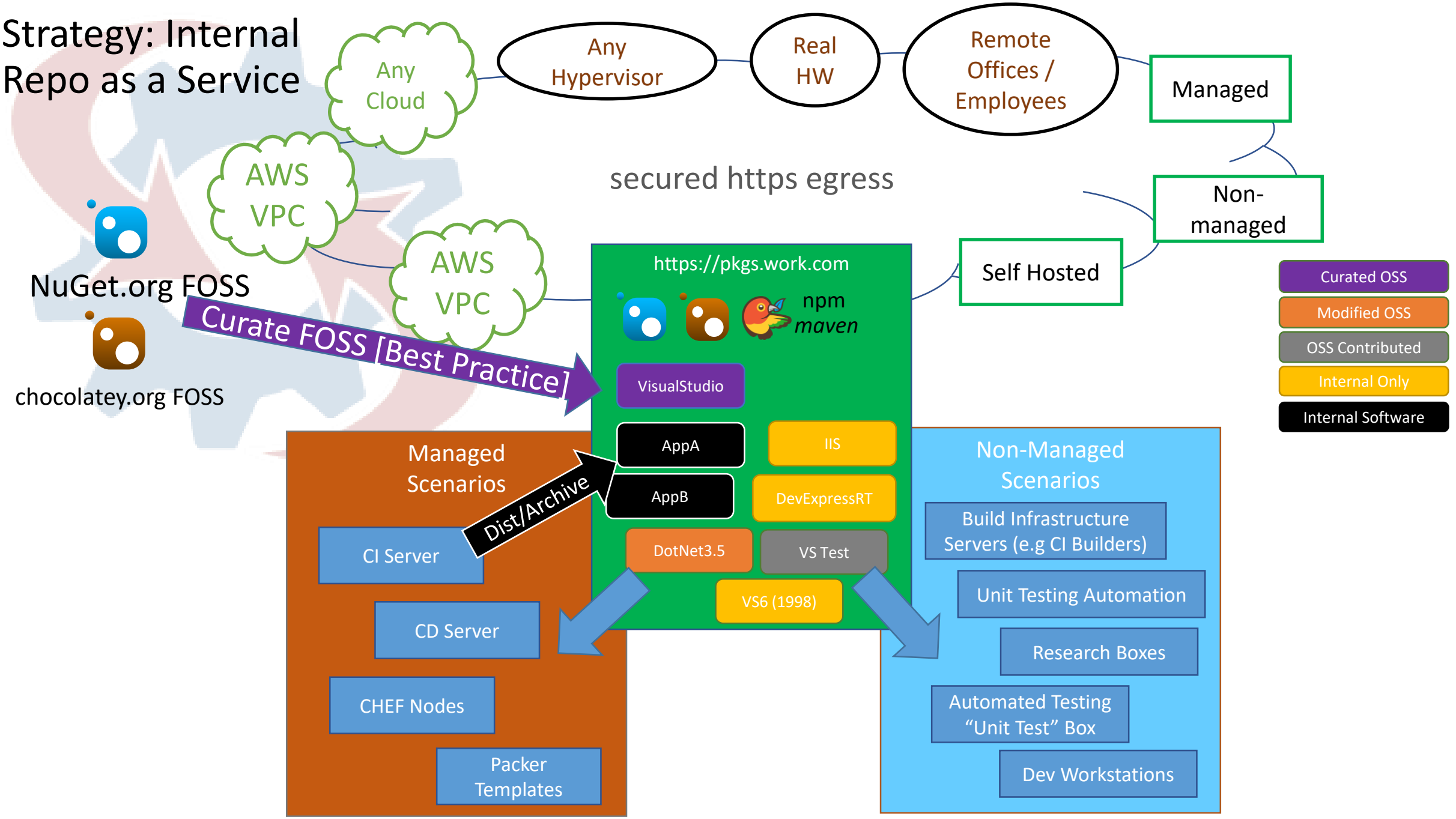
Auto.ps1

Shavings:

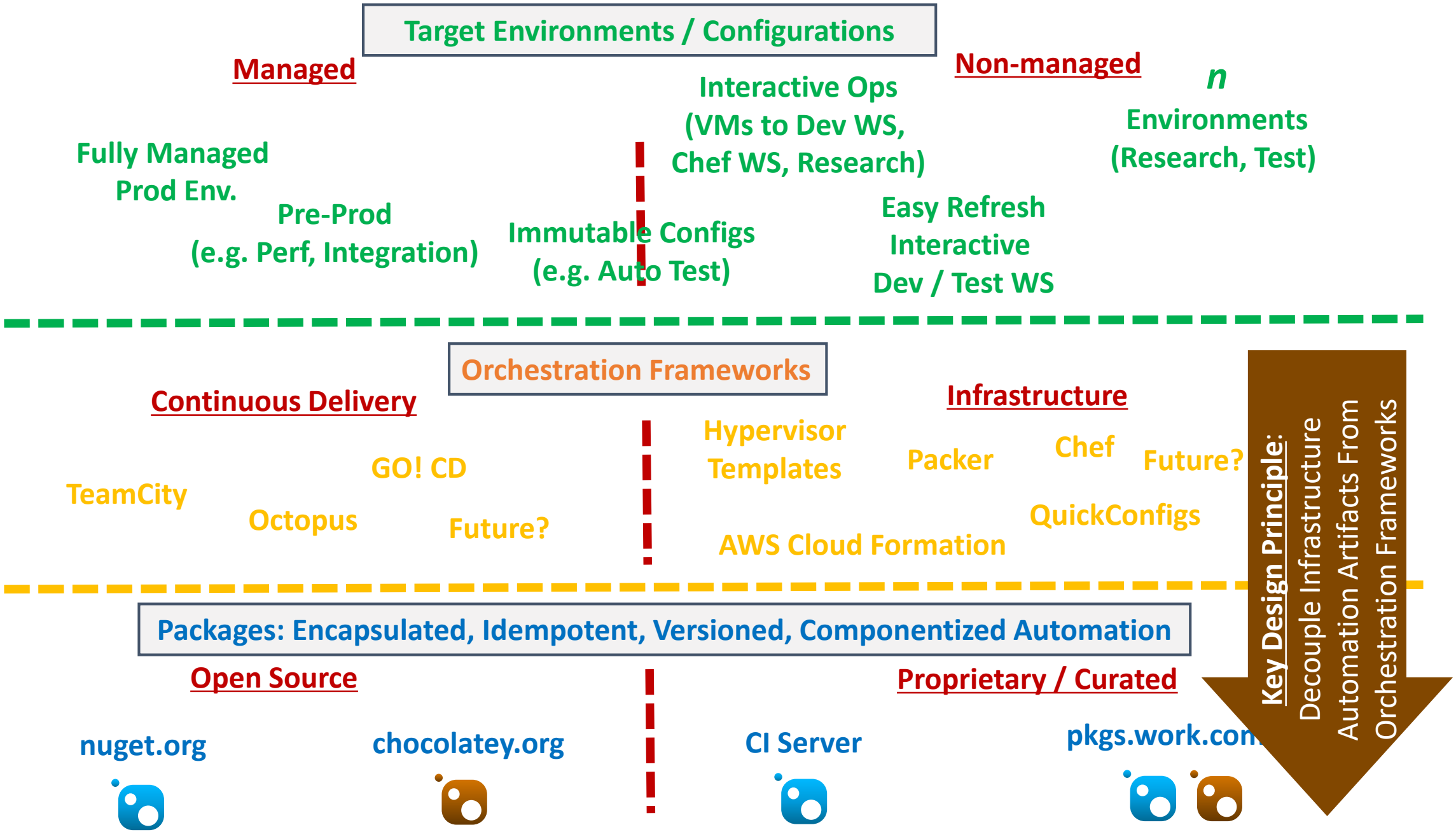
11 x 8 = **88**

11 x 1 = **11**

Strategy: Internal Repo as a Service



Strategy: Fast, Flexible, Modular Automation



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