Chocolatey

Chocolatey is a package manager for windows.

> Chocolatey can install anything, including bad stuff. Do not install untrustworthy packages.

Artifactory Integration

By default Chocolaty will install download packages from the community registry, and depending on the software, will also download the installer from the vendors site.

Chocolatey have some limits in place so that if you download too many modules your IP will be blocked. Choclately advise using Artifiactory to cache packages instead so we've setup https://artifactory2.westpac.co.nz/api/nuget/generic-choco-remote as a source for this, and https://artifactory2.westpac.co.nz/generic-choco-installer-local/ChocolateyInstall.ps1 for the chocolatey bootstrap installer script.

Please note that this does not cache any external installers that the chocolately package may also download. This can be achieved by manually internalising the packages, or by purchasing Chocolatey for Business.

Advantages of internalising packages are:

- Full offline installation - no internet connection required
- Reliability, not dependant on vendor site being available - I had 3 days where I couldn't install Visual Studio because the Microsoft site was unavailable

See https://docs.chocolatey.org/en-us/guides/organizations/organizational-deployment-guide for more information.

> We will be investigating getting a licence for Chocolatey for Business to easily implement full offline installation of packages.

Using on your laptop

Chocolatey can be a handy way to install developer tools and other software.

1. Follow these instructions to install Chocolatey: https://chocolatey.org/install#individual
2. Configure Chocolatey to pull packages from Artifactory:

```
choco source list
choco source Add -Name artifactory -Source
https://artifactory2.westpac.co.nz/api/nuget/generic-choco-remote
choco source enable --name artifactory
choco source disable --name chocolatey
# Set a cache somewhere not in your home dir - which by default is on
H drive
choco config set cacheLocation --value C:\caches\choco
```

> We are investigating the use of Powershell DSC to configure chocolatey and install development tools on a developers laptop to simply the onboarding for new starters.

Using on Servers

Chocolatey is a great tool for fully automating the installation of software required by your servers.

This example is using Ansible, this should translate to whichever automation tool you prefer.

```yaml
- name: Install chocolatey from internal repo
  chocolatey.chocolatey.win_chocolatey:
    name: chocolatey
    state: present
    source:
https://artifactory2.westpac.co.nz/generic-choco-installer-local/Chocolate
yInstall.ps1

- name: Remove the default public source for chocolatey
  chocolatey.chocolatey.win_chocolatey_source:
    name: chocolatey
    state: absent

- name: Add internal source for chocolatey
  chocolatey.chocolatey.win_chocolatey_source:
    name: artifactory
    state: present
    source:
https://artifactory2.westpac.co.nz/api/nuget/generic-choco-remote

- name: Install Notepad++ from internal repo
  chocolatey.chocolatey.win_chocolatey:
    name: notepadplusplus
    state: latest
```