Puppet on Windows: Now You're Getting Chocolatey!

Rob Reynolds

Software Engineer | Puppet Labs

rob@puppetlabs.com

@ferventcoder

Who am I?

- Developer at Puppet Labs / started July 1

- Creator of Chocolatey

- DevOps interest for 2+ yrs or 7+ yrs

- Long time .NET Dev

- Learning Ruby
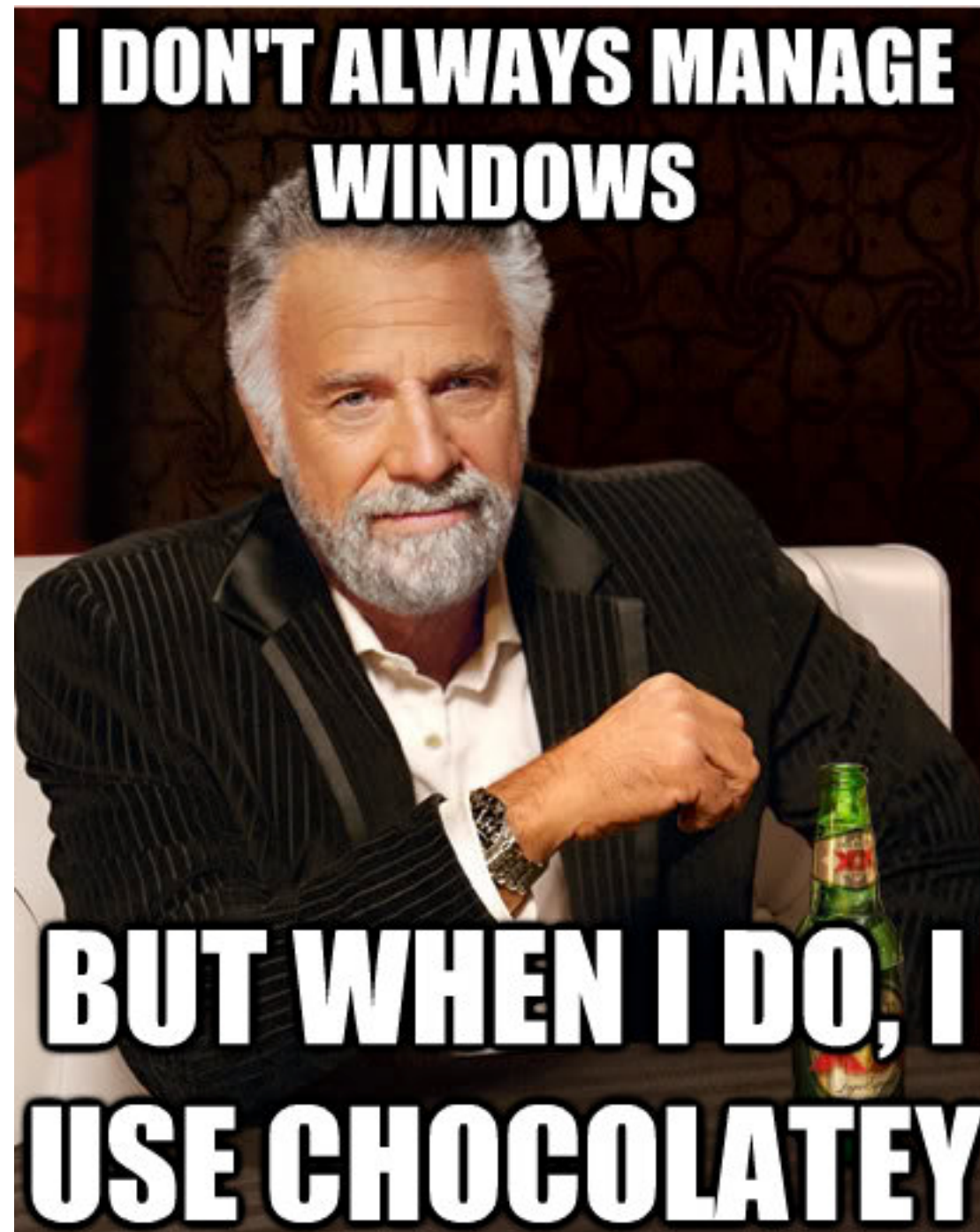
- Also still learning Puppet

Why are you here?

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Is it...

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Is it...

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Welcome!

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What is Chocolatey?
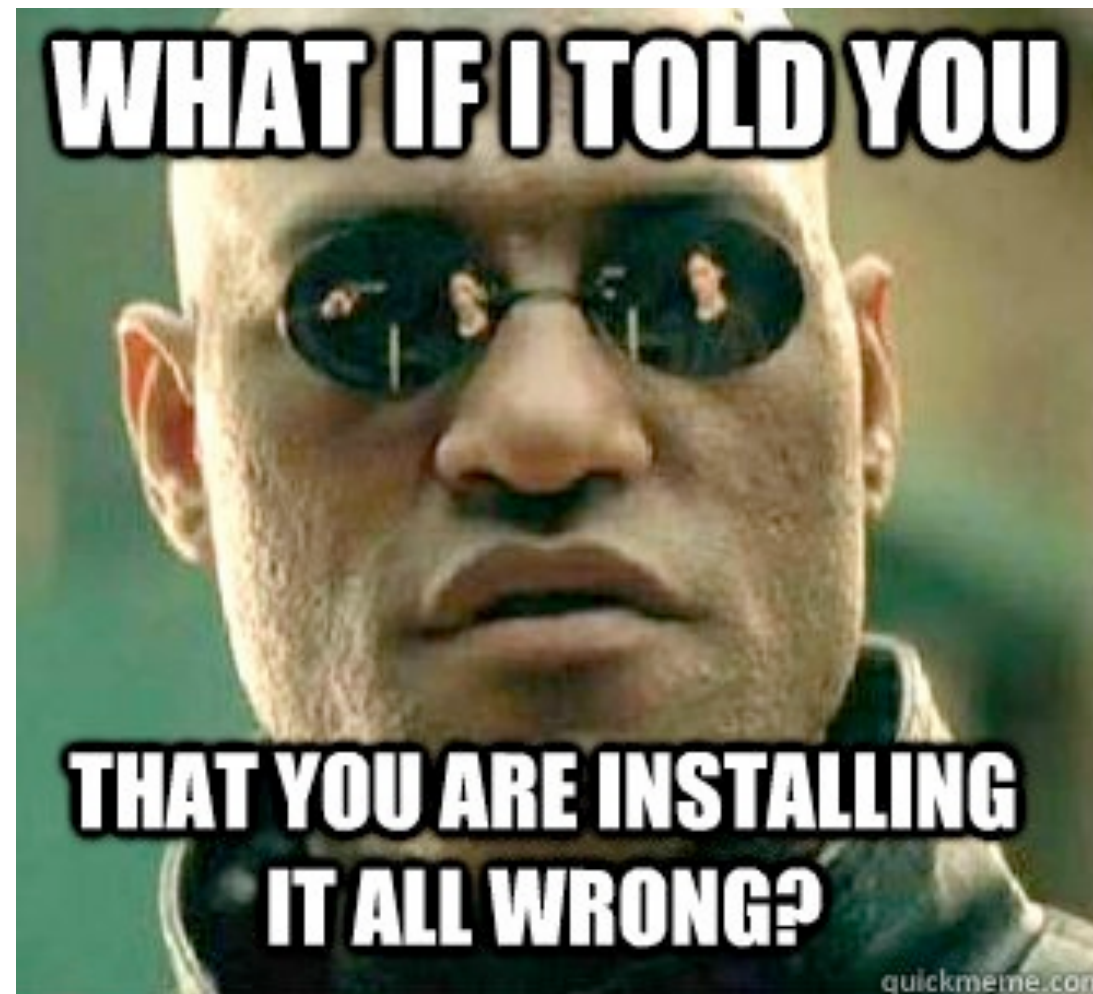
- Package manager for Windows

- Kind of like yum or apt-get, but for Windows

- Package provider for Puppet on Windows

TELL ME AGAIN HOW

THIS IS GOING TO BE THE BEST THING ON WINDOWS

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Where does it fit into Puppet?

- Chocolatey (choco) has a package provider

- Module on forge (rismoney/chocolatey)

Use the built in windows package provider?

Does this replace built in Windows pkg provider?

- Official answer at this time: no

- Unofficial answer at this time: no

- Built in provider requires no addtl setup

- Choco requires PowerShell 2+ and .NET Framework 4.0

Why would I use Chocolatey provider then?

- Versionable / Upgradeable

- Community / Packaging Provider Focus

- Packaging is simple

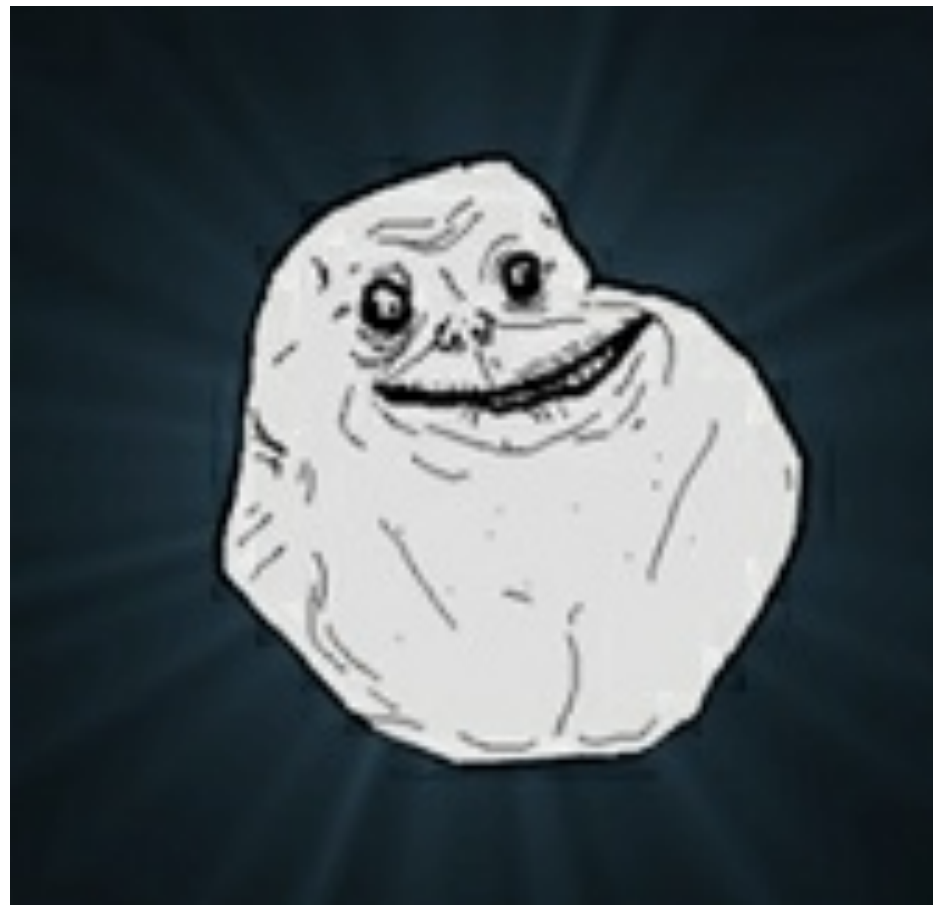- Most Windows come w/PowerShell 2, so all you need is .NET 4.0

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Future of Chocolatey on Puppet

- This is still an open discussion

- Chocolatey will continually evolve

- Security / trust focus

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Anatomy of a provider

```
package {'name_of_package':
  provider => 'chocolatey',
  ensure => absent,latest, '1.0',
  source => 'http://not/default/sources;c:\local;\\some\network\share',
  install_options => '-installArgs "addtl args for native installer"',
}
```

Build Packages?

```xml
<?xml version="1.0"?>
<package xmlns="http://schemas.microsoft.com/pacl
  <metadata>
    <id>puppet</id>
    <title>Puppet</title>
    <!--  <version>2.7.23</version> -->
    <version>3.2.4</version>
    <authors>Puppet Labs</authors>
    <owners>micahlmartin, Rob Reynolds</owners>
    <summary>Puppet is IT automation software tha
    <description>Puppet Open Source is a flexible

Puppet Open Source is the underlying technology 
    <projectUrl>https://puppetlabs.com/puppet/pu
    <tags>puppet configuration management infras
    <copyright>2013 Puppet Labs</copyright>
    <licenseUrl>http://www.apache.org/licenses/L
    <requireLicenseAcceptance>false</requireLicen
    <iconUrl>http://www.puppetlabs.com/wp-content
    <releaseNotes></releaseNotes>
  </metadata>
  <files>
    <file src="tools\**" target="tools" />
  </files>
</package>
```


Puppet 3.2.4

Puppet Open Source is a flexible, customizable fr
system administrators automate the many repeti
approach to IT automation, it lets you define the
Puppet configuration language. Once these config
necessary packages and starts the related service
the mundane, Puppet frees you to work on more

Puppet Open Source is the underlying technology
major Unix platforms like Solaris, HP-UX, and AIX,

To install Puppet, run the following command fro

```
C:\> cinst puppet
```

268
Downloads

24
Downloads of v 3.2.4

8/16/2013
Last update

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ferventcoder

micahlmartin

Authors

Puppet Labs

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ChocolateyInstall.ps1

```powershell
$packageName = 'puppet'
$installerType = 'msi'
#$url = 'http://puppetlabs.com/downloads/windows/puppet-2.7.23.msi'
$url = 'http://puppetlabs.com/downloads/windows/puppet-3.2.4.msi'
$url64 = $url
$silentArgs = '/qn'
$validExitCodes = @(0)

Install-ChocolateyPackage "$packageName" "$installerType" "$silentArgs" "$url" "$url64" `
    -validExitCodes $validExitCodes
```

```puppet
package {'git.install':
  ensure   => latest,
  provider => 'chocolatey',
  source   => 'c:\vagrant\resources\packages',
}

package {'poshgit':
  ensure   => latest,
  provider => 'chocolatey',
  source   => 'c:\vagrant\resources\packages',
}
```

DEMO

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Vagrant FTW?!

- Installed .Net 4.0 / Chocolatey
- Installed Puppet & Modules
- Used chocolatey provider to install git, posh-git and putty
- Updated git to latest version

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Questions?

rob@puppetlabs.com
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