Chef Microsoft Resources

Chef's Microsoft Building Blocks

Objectives

After completing this module, you should be able to:

➢ Define Microsoft Chef Resources

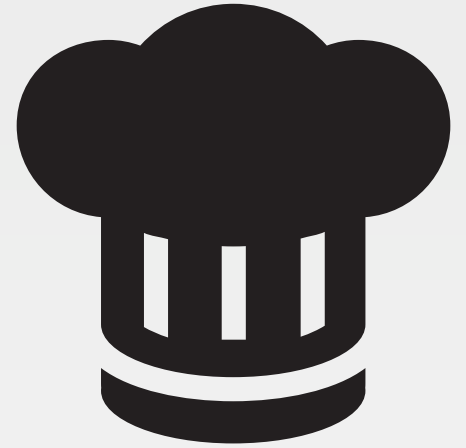➢ Create a basic IIS webserver Chef recipe

CHEF

DOCS

Windows

Chef treats Microsoft as a first class citizen.

This page collects information about Chef that is specific to using Chef with Microsoft Windows.

https://docs.chef.io/windows.html

CHEF

Group Lab: iis ?

I heard Chef can configure Windows as well as Linux, Unix and other platforms

Objective:

- ❏ Create a recipe file for Windows
- ❏ Create a Microsoft iis server
- ❏ Use InSpec on Windows

Working within Home Directory

```
> cd cookbook
```

GL: Create and Open a Recipe File

```
> git clone https://github.com/anthonygrees/myiis
```

```
Cloning into 'myiis'...

remote: Counting objects: 105, done.

remote: Compressing objects: 100% (57/57), done.

Receiving objects:  39% (41/105)    d 96 (delta 27), pack-reused 0

Receiving objects: 100% (105/105), 15.01 KiB | 1.67 MiB/s, done.

Resolving deltas: 100% (36/36), done.
```
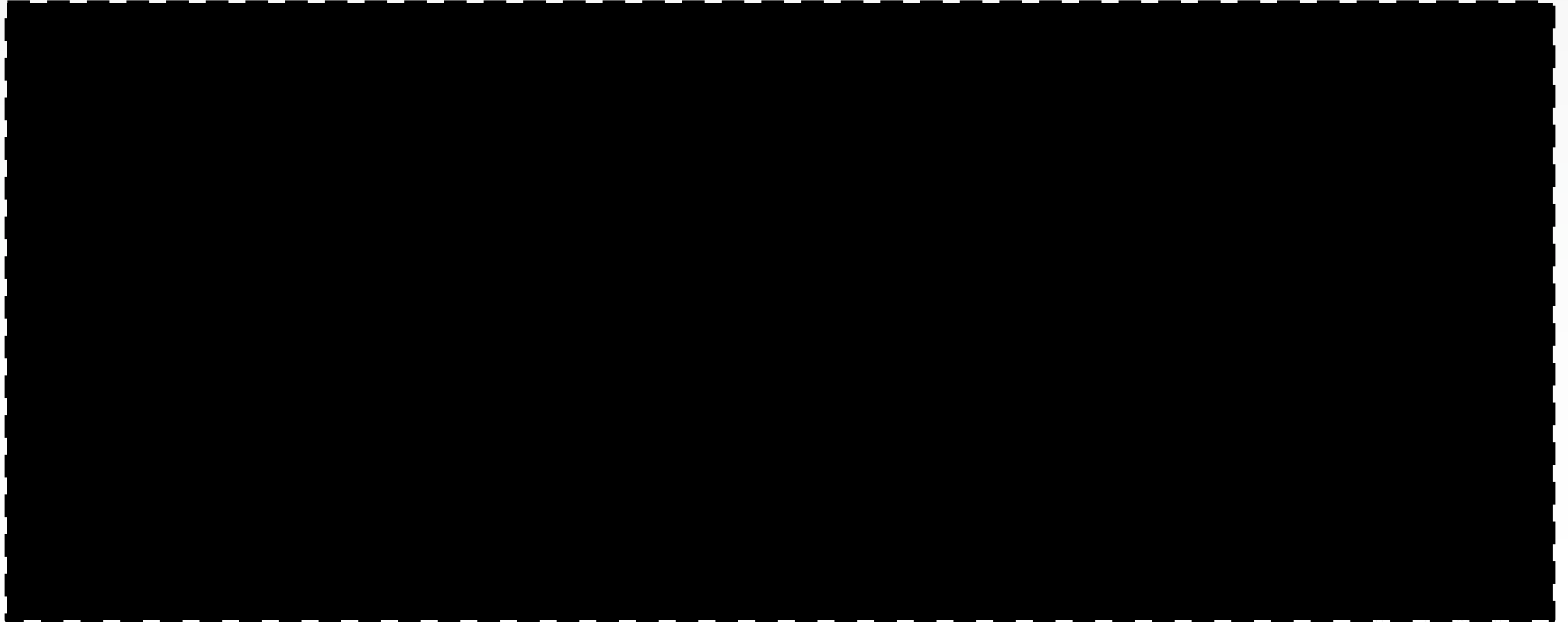
Working within Home Directory

```
> cd myiis
```

Working within Home Directory

```
~\cookbooks\myiis> code .
```

Working within Home Directory

```
~\cookbooks\myiis> kitchen create
```

```
-----> Starting Kitchen (v1.20.0)


-----> Creating <default-windows-2012r2>...


       Detected platform: windows version 2012r2rtm on x86_64. Instance Type:
m3.medium. Default username: administrator (default).


       If you are not using an account that qualifies under the AWS


free-tier, you may be charged to run these suites. The charge


should be minimal, but neither Test Kitchen nor its maintainers
```

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Working within Home Directory

`~\cookbooks\myiis> kitchen converge`

```
-----> Starting Kitchen (v1.20.0)


-----> Converging <default-windows-2012r2>...
       Preparing files for transfer
       Preparing dna.json
       Resolving cookbook dependencies with Berkshelf 6.3.1...
       Removing non-cookbook files before transfer
       Preparing validation.pem
       Preparing client.rb
-----> Installing Chef Omnibus (install only if missing)
       Downloading package from
https://packages.chef.io/files/stable/chef/14.1.12/windows/2016/chef-client-
14.1.12-1-x64.msi
       Download complete.
```
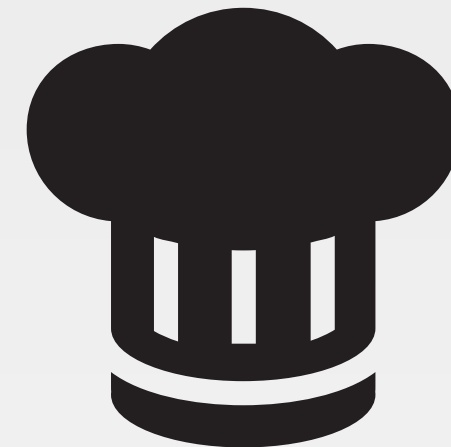
Working within Home Directory

```
~\cookbooks\myiis> kitchen verify
```

```
Port 80
  should be listening
Command Invoke-WebRequest http://localhost
  stdout
    should match /Hello, world Windows!/
windows
  should eq "windows"
windows_server_2012_r2_standard
  should eq "windows_server_2012_r2_standard"
6.3.9600
  should > "6.2"
Finished in 2.55 seconds (files took 3.75 seconds to load)

5 examples, 0 failures
```

CHEF

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- ✓ Use InSpec on Windows

Questions

What questions can we answer for you?

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Discussion

Where is the Windows password?

What are some other possible examples of windows resources?

Q&A

What questions can we answer for you?

- chef-client
- chef-apply
- Resources
- Resource - default actions and default properties
- Test and Repair