Workstation Installation

Configuring Your Laptop as a Workstation

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Objectives

After completing this module, you should be able to

- Ensure that ChefDK is installed on your laptop
- Execute a series of commands to ensure everything is installed
- Install a local editor like Atom

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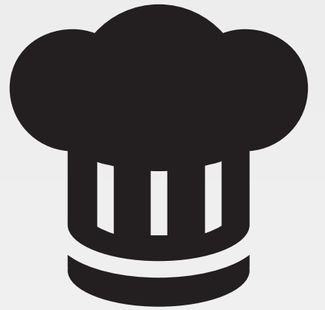

Installing the ChefDK

Installing the tools on your system

Objective:

- ❑ Install the ChefDK
- ❑ Open a Terminal / Command Prompt
- ❑ Execute a series of commands to ensure everything is installed
- ❑ Download a repository of cookbooks
- ❑ Install a text editor (optional)

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ChefDK

The ChefDK contains tools like chef-apply, chef-client, and kitchen.

You can find the ChefDK to download at the website
https://downloads.chef.io/chefdk/
Be sure to download ChefDK version 4.7.73

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GL: Installing ChefDK

The omnibus installer is used to set up the Chef development kit on a workstation, including the chef-client itself, an embedded version of Ruby, RubyGems, OpenSSL, key-value stores, parsers, libraries, command line utilities, and community tools such as Kitchen, Policyfile, and ChefSpec.

https://downloads.chef.io/chef-dk/

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GL: Installing ChefDK

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GL: ChefDK PowerShell

For Windows users, ChefDK installs a Chef version of PowerShell on your desktop that ensures everything is properly set up for the shell.

You should run all the commands in the rest of the labs from within this ChefDK shell.

Mac users' native terminals will be properly set up by ChefDK.

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Lab: Run All These Commands

```
$ chef --version
$ chef-client --version
$ knife --version
$ ohai --version
$ berks --version → not used any more
$ kitchen --version
$ foodcritic --version
$ cookstyle --version
```

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CONCEPT

git

Git was initially designed and developed by Linus Torvalds for Linux kernel development in 2005, and has since become the most widely adopted version control system for software development.

http://git-scm.com/downloads

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CONCEPT

Text Editors

When working with Chef you spend a large time editing files.

Whatever editor you use should optimize for this workflow.

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CONCEPT

ATOM Editor

Atom is modern, approachable, and hackable to the core. We can't wait to see what you build with it.

https://atom.io

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CONCEPT

Visual Studio Code

Visual Studio Code is a streamlined code editor with support for development operations like debugging, task running and version control. It aims to provide just the tools a developer needs for a quick code-build-debug cycle and leaves more complex workflows to fuller featured IDEs.

https://code.visualstudio.com

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