

CommandBox Workshop

ITB Houston, Texas - 2017

Prerequisites

- A working knowledge of CommandBox's shell and basic commands
- Have the latest stable version installed already
- A GitHub account and Git CLI installed (if you want to follow along with publishing packages)

Agenda

- **Introductions/checking prerequisites** - 15 mins
- **Usage Overview** - 45 mins
- **Native scripting with CFML** - 1 hr
- **Server Management** - 1 hr
- Lunch - 1 hr
- **Package Management and Authoring** - 1 hr
- **Extending CommandBox** - 1 hr
- Break - 30 mins
- **Exercise Time** - 1.5 hr

Introductions/checking prerequisites

- Meet others in the class
- Gather each student's expectations for the class
- Ensure everyone has CommandBox installed and is ready to go

Usage Overview

- Review help system
- Demo REPL and uses
- Learn about scaffolding commands
- Advanced scripting features
 - Native binary execution
 - CommandBox expressions
 - Running CFML from the CLI

Native scripting with CFML

- Running .cfm files from your CLI
- Creating recipes
- Creating Unix "hash bang" scripts
- Accessing parameters

- Using a database in a stand-alone cfm script

Server Management

- Start/stop servers
- Multi-engine support (Adobe, Lucee, etc)
- Manage servers
- Server.json
- Handling CF configuration
- Using CommandBox for cloud deployments (Heroku, Docker)

Package Management and Authoring

- What is ForgeBox.io
- Find and install packages
- Update packages
- Creating a package
- Package scripts
- Creating a ForgeBox account
- Publish a package to ForgeBox

Extending CommandBox

- Modules
- Interceptors
- Custom Commands
 - Printing ANSI formatted text
 - Interacting with the user
 - Handling proper exit codes

Exercise Time

- Let's build something!
- Work in teams or alone to create a CommandBox module that does something cool and publish it to ForgeBox and Github.