

Getting Started with a Maven Project in Git

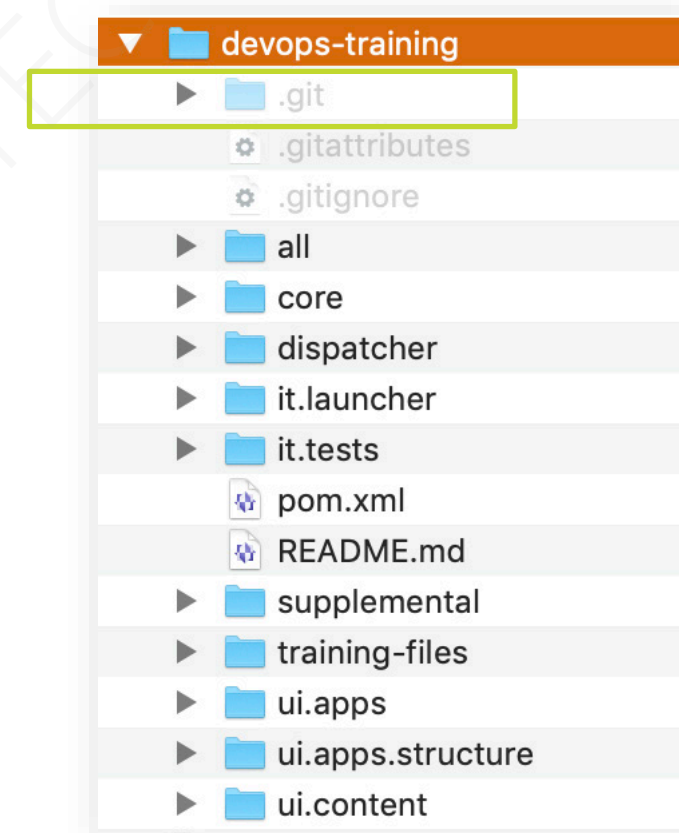
Agenda:

- Git repository
- Branches in Git repository
- Committing changes to a branch
- Installing a mvn project



Git

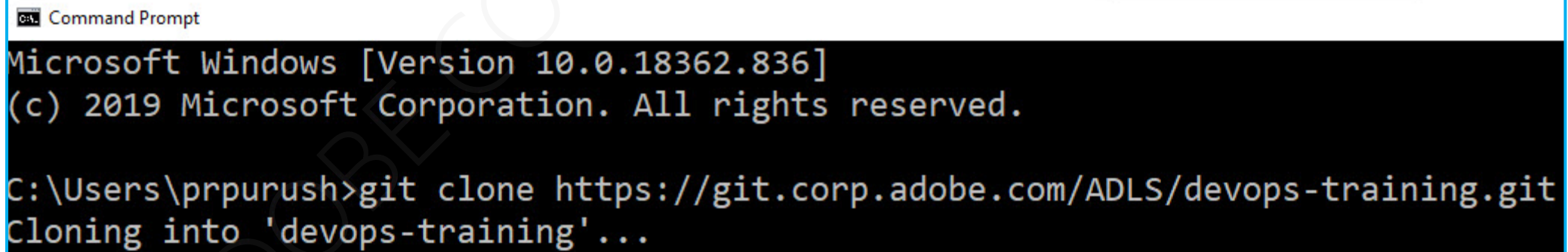
- Distributed source code management (SCM)
- Creates a Git repository when you initialize a project
- Git Repository
 - .git/ folder inside a project
 - Tracks all changes made to files in your project



Git commands

Configuration

- git init
 - Usage: git init [repository name]
 - Starts a repository
- git clone
 - Usage: git clone [url]
 - Obtains a repository from an existing URL



```
Command Prompt
Microsoft Windows [Version 10.0.18362.836]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\prpurush>git clone https://git.corp.adobe.com/ADLS/devops-training.git
Cloning into 'devops-training'...
```

Git commands

Configuration

- git fetch
 - Usage: git fetch origin

```
MacBook-Pro:devops-training nennig$ git fetch origin dev
From https://git.corp.adobe.com/ADLS/devops-training
 * branch          dev          -> FETCH_HEAD
MacBook-Pro:devops-training nennig$
```

- git commit
 - Usage: git commit -a -m "My First commit"
 - Commit changes

```
C:\Users\prpurush\Documents\GitHub\devops-training>git commit -a -m "Made my first devOps commit"
[dev fec1579] Made my first devOps commit
1 file changed, 1 insertion(+)
```

Git commands

- git checkout
 - Usage: git checkout -b <branchname>
 - Creates a new branch

```
C:\Users\prpurush\Documents\GitHub\devops-training>git checkout -b dev  
Switched to a new branch 'dev'
```

- git remote
 - Usage: git remote add origin <server>
 - Connects to a remote repository

Git commands

- git push/git pull
 - Usage: git push/pull origin <branchname>
 - Push/pull your branches

```
MacBook-Pro:devops-training nennig$ git pull origin
remote: Enumerating objects: 2, done.
remote: Counting objects: 100% (2/2), done.
remote: Total 2 (delta 1), reused 2 (delta 1), pack-reused 0
Unpacking objects: 100% (2/2), done.
From https://git.corp.adobe.com/ADLS/devops-training
   25dc006..60ae934  starter-project -> origin/starter-project
Updating 25dc006..60ae934
```

- git merge
 - Usage: git merge <branchname>
 - Merge branches

Devops repository

PC > Documents > GitHub > devops-training		
Name	Date modified	Type
all	6/4/2020 8:39 PM	File folder
core	6/4/2020 8:38 PM	File folder
dispatcher	6/4/2020 8:39 PM	File folder
it.launcher	6/4/2020 8:39 PM	File folder
it.tests	6/4/2020 8:39 PM	File folder
supplemental	6/4/2020 6:07 PM	File folder
training-files	6/4/2020 6:07 PM	File folder
ui.apps	6/4/2020 8:38 PM	File folder
ui.apps.structure	6/4/2020 8:38 PM	File folder
ui.content	6/4/2020 8:39 PM	File folder
.gitattributes	6/4/2020 6:01 PM	Text Document
.gitignore	6/4/2020 6:01 PM	Text Document
pom.xml	6/4/2020 6:01 PM	XML Document
README.md	6/4/2020 6:01 PM	Markdown File

Modules: an overview

- all - container package that includes only the ui.apps and ui.content packages as embeds.
- core - includes all the Java code needed for the implementation
- it.tests- Java bundle containing JUnit tests that are executed server-side.
- it.launcher - Used for deploying the sling testing framework
- ui.apps - contains all the code to be deployed and deploys only to /apps .
- ui.content - contains all content and configuration.
- ui.apps.structure - defines the JCR repository roots this project uses.
- dispatcher - (optional) Module used to configure the static web server in front of Adobe Experience Manager (AEM) that caches content

Install the project in to AEM using Maven

Install the entire maven project:

```
> mvn clean install -Padobe-public -PautoinstallSinglePackage
```

Install only the java bundle:

```
> mvn clean install -Padobe-public -PautoinstallBundle
```

Install a specific content package:

```
> cd [ui.apps | ui.content]
```

```
> mvn clean install -Padobe-public -PautoinstallPackage
```



Key takeaways

- Git
 - Distributed source code management (SCM)
- Git Repository
 - Tracks all changes made to files in your project