

JDK & GIT & Environment Setup

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Java Development Kit

(JDK -> JRE -> JVM)



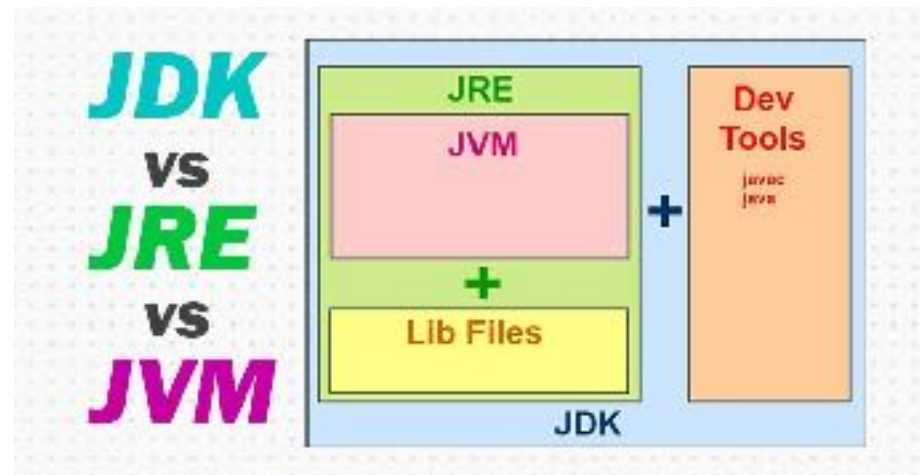
JDK implements JSE



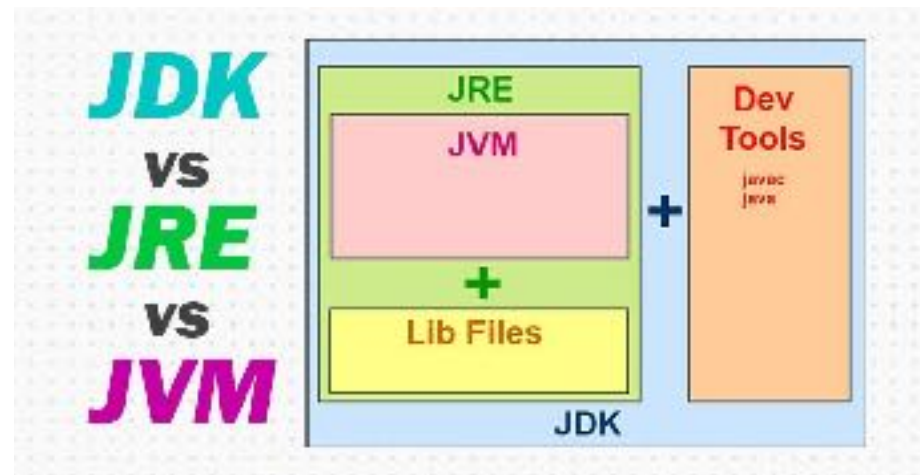
JDK implements JSE



JDK includes JRE & JVM



JDK includes JRE & JVM



JDK: Write A Simple Java Program

```
public class ITeaHome {  
    public static void main(String[] args) {  
        System.out.println("Welcome to ITea  
Home Academy!");  
    }  
}
```



JDK: Compile A Simple Java Program

```
javac ITeaHome.java
```



JDK: Run A Simple Java Program

```
java ITeaHome.class
```

output: "Welcome to ITea Home Academy"



Version Control

Tracking



Version Control: Old Way



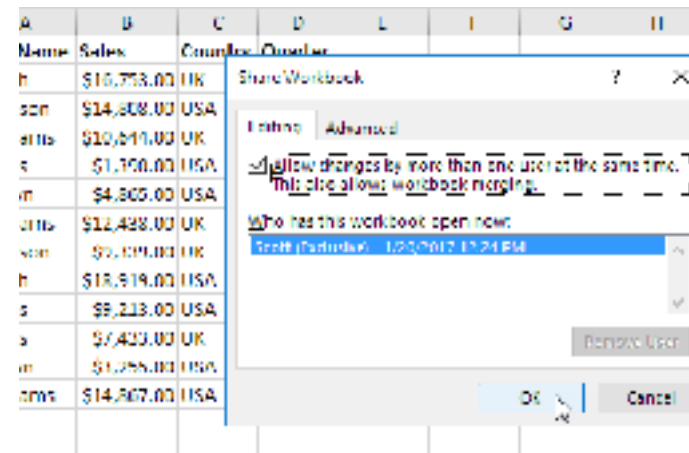
Version Control: Old Way



Version Control: Old Way



Version Control: Old Way



Version Control: Old Way



Version Control: *New Way*



Version Control: *New Way*



GIT

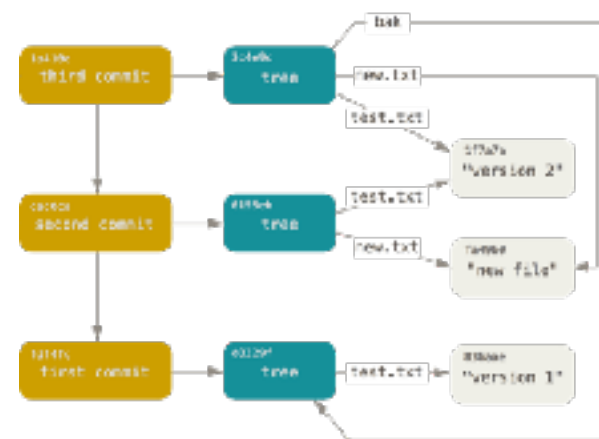
Most popular



GIT: Hash Commit



GIT: Hash Commit



GIT: Hash Commit

```
commit: c0d05d14c185129c08b1c1498c8eeb30ee0e0402  
Author: Eric Young <eric.young@possible.com>  
Date: Mon Aug 15 11:33:21 2016 -0800
```

Add commit linked for develop

```
commit: 8f0e7795d38f55f5295deac1258763d164ce4d  
Author: Eric Young <eric.young@possible.com>  
Date: Mon Aug 15 11:33:34 2016 -0800
```

Make commit targeted at bad branch

```
commit: 9888427cc55758075509f253647c3d47b18b75  
Author: Eric Young <eric.young@possible.com>  
Date: Mon Aug 15 18:55:41 2016 -0800
```

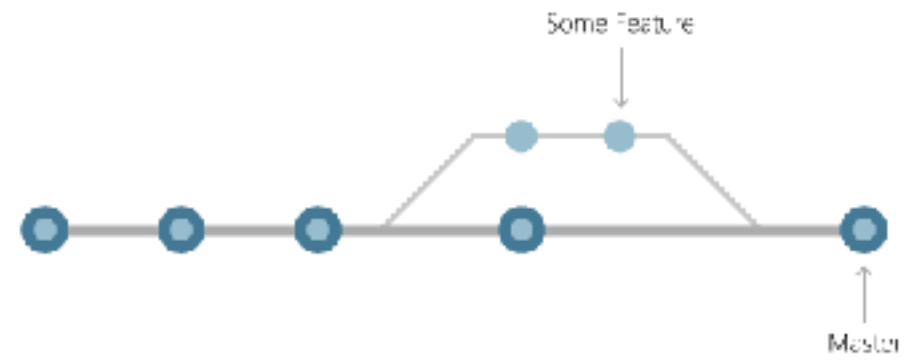
Make good commit

```
commit: cd6e67f080ed98a18c50ca525e8976043358ec  
Author: Eric Young <eric.young@possible.com>  
Date: Mon Aug 15 18:49:22 2016 -0800
```

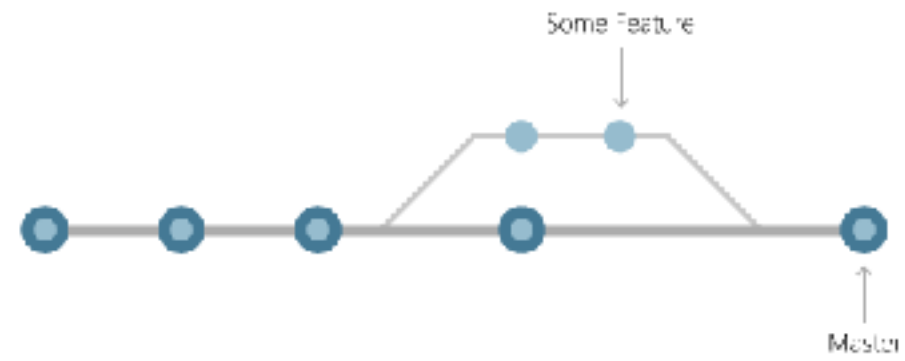
Initial commit



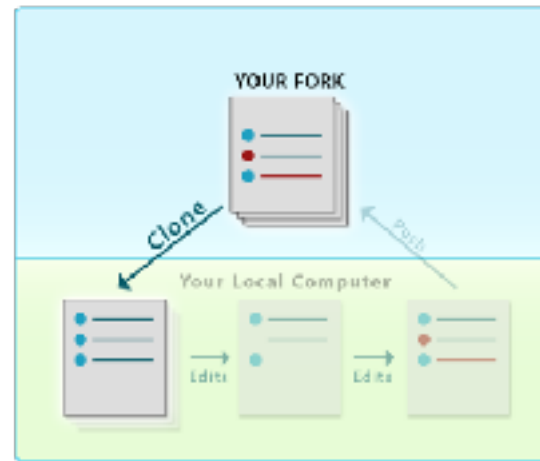
GIT: Branch



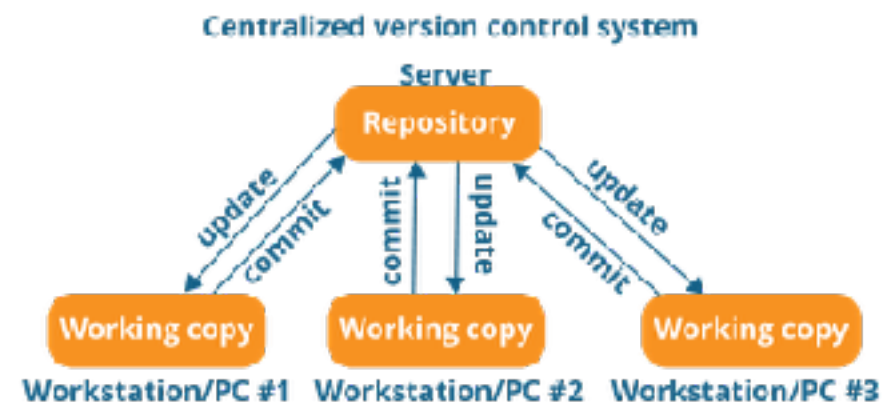
GIT: Branch



GIT: Clone



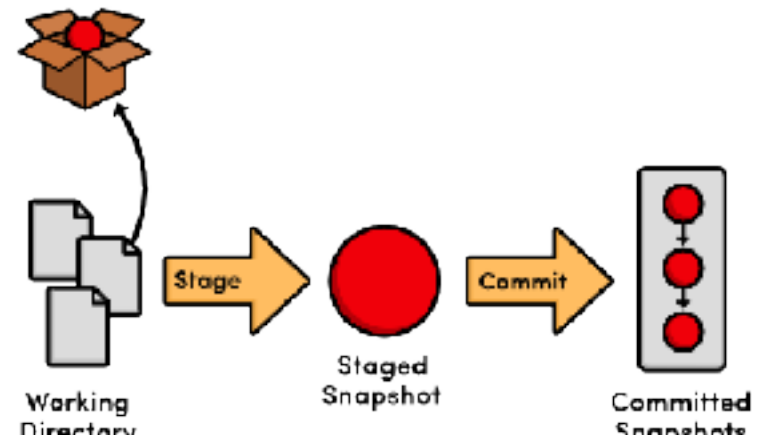
GIT: Clone



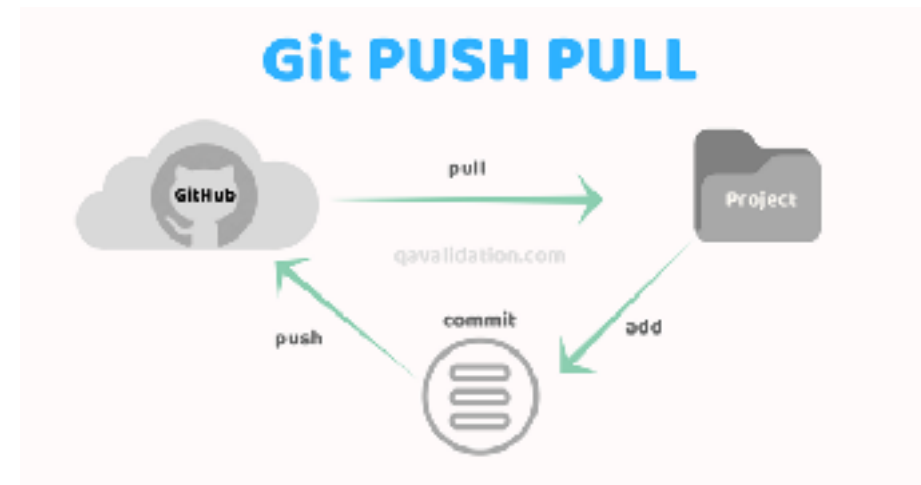
GIT: Areas



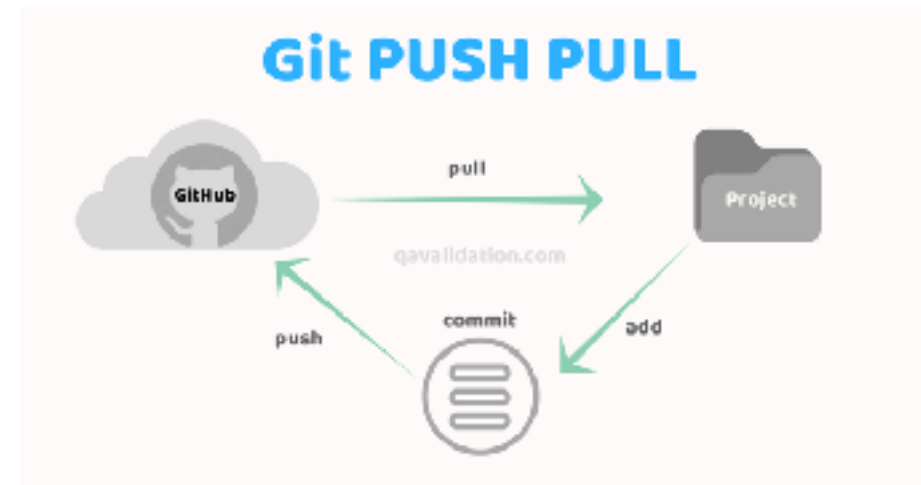
GIT: Areas



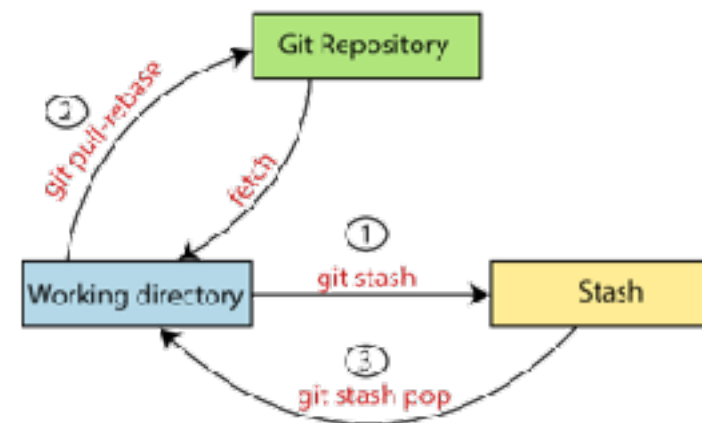
GIT: Push/Pull



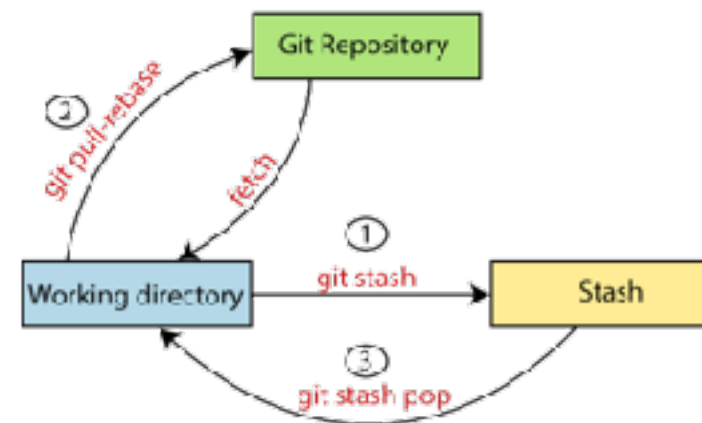
GIT: Push/Pull



GIT: Stash



GIT: Stash



GIT: Online Platforms



Bit Bucket



GitHub



Gitlab



GIT: Online Platforms



Bit Bucket



GitHub



Gitlab



IDE

More than Notepad



IDE: Most popular ones



IDE: Most popular ones



IDE: Most popular ones



IDE: Most popular ones



Thanks

See you next Tuesday



Bibliography

- <https://www.javaworld.com/article/3296360/what-is-the-jdk-introduction-to-the-java-development-kit.html>
- <https://git-scm.com/book/en/v2>
- <https://www.jetbrains.com/help/idea/set-up-a-git-repository.html>
- <https://www.youtube.com/watch?v=lyiBnyPPnG4>
- <https://www.jetbrains.com/idea/>

