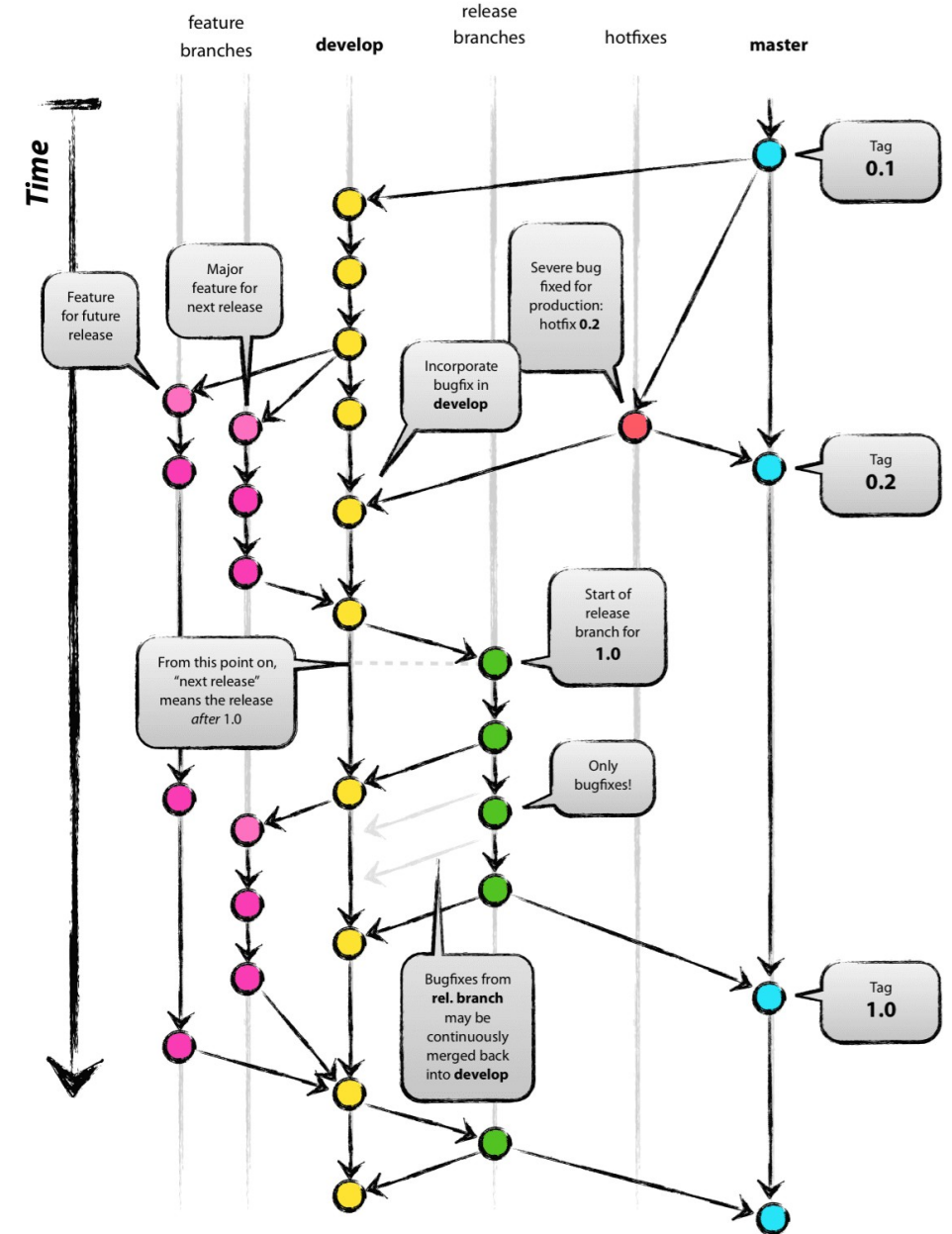


Git Work flows

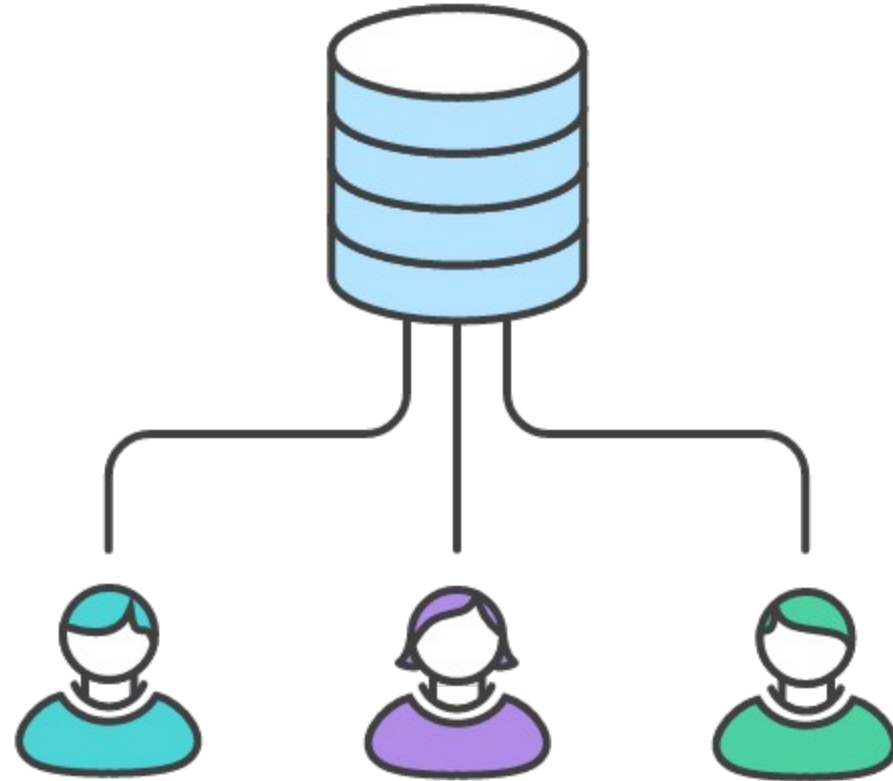
Also Presentation skills

Git as a Team

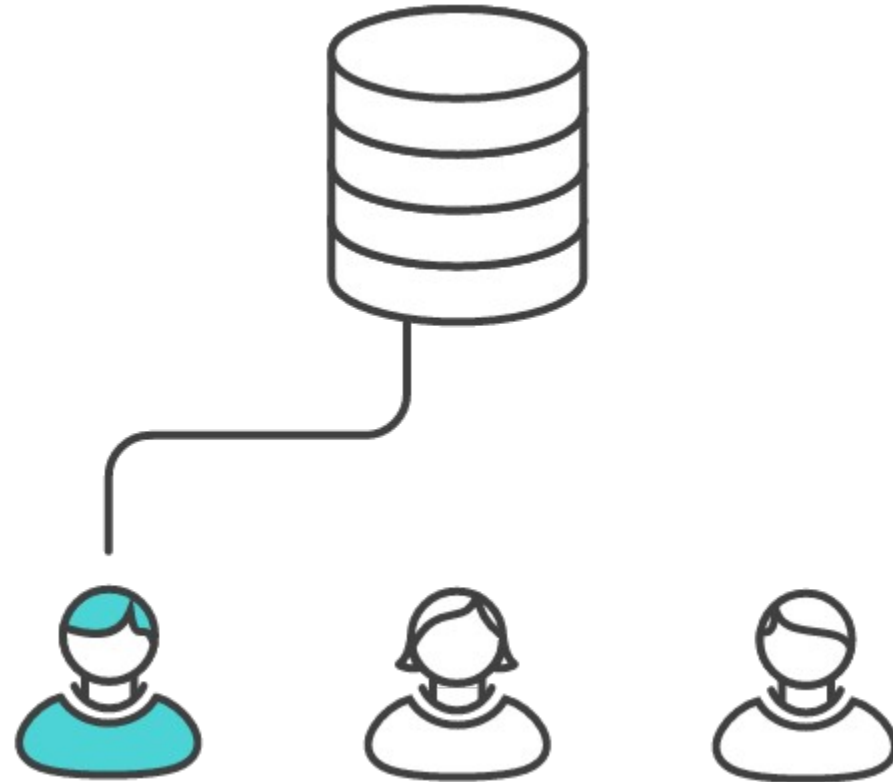
Vincent Driessen's model ----->



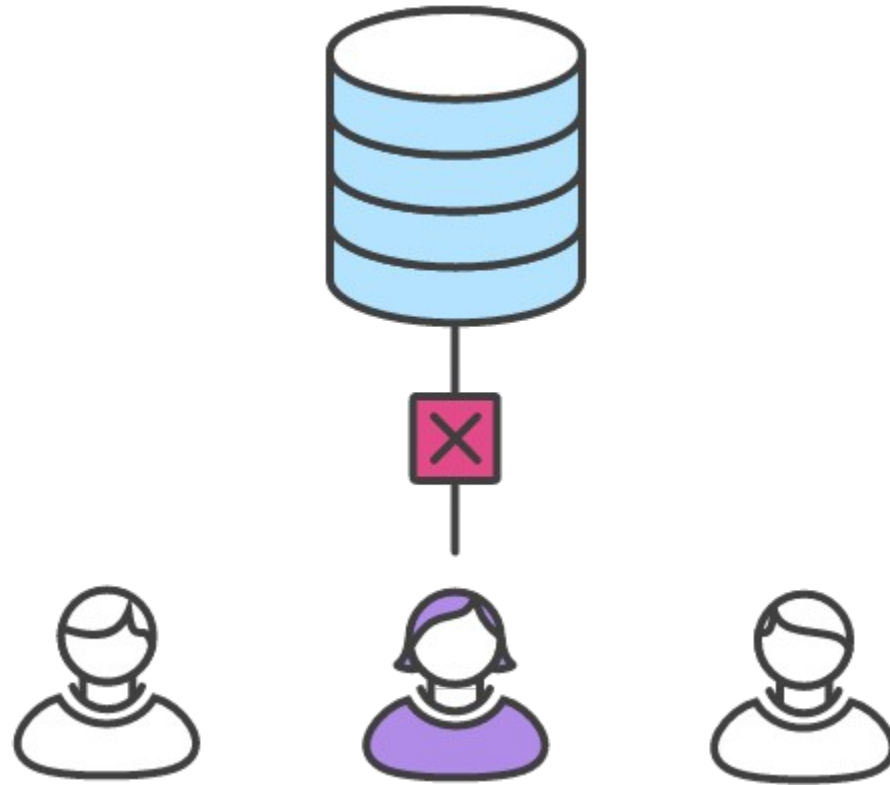
Central Repo Problems



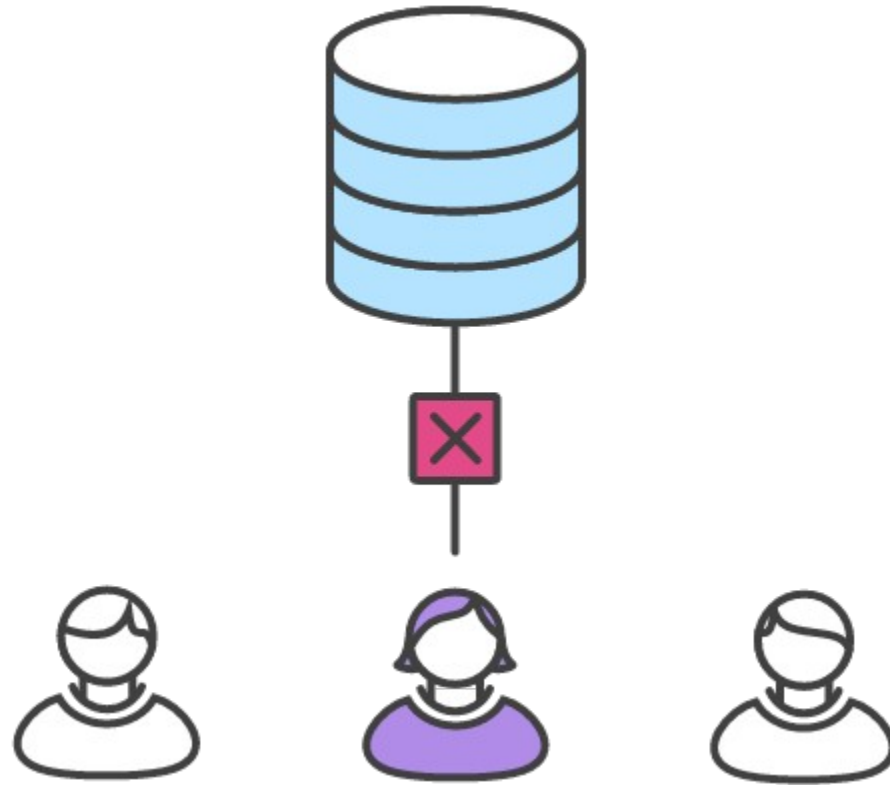
Central Repo Problems



Central Repo Problems

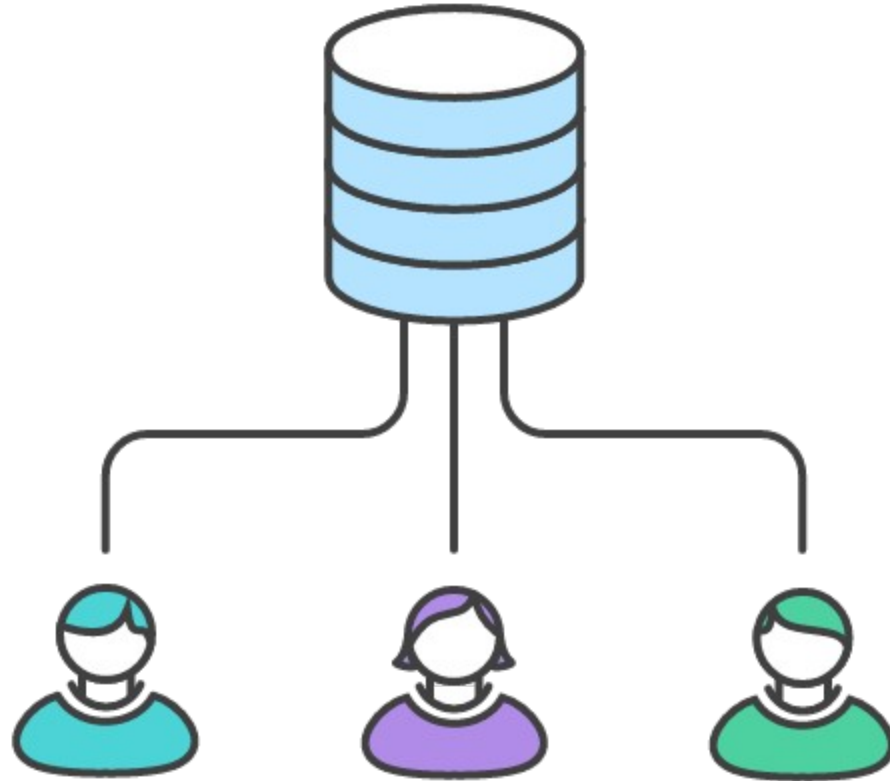


Central Repo Problems



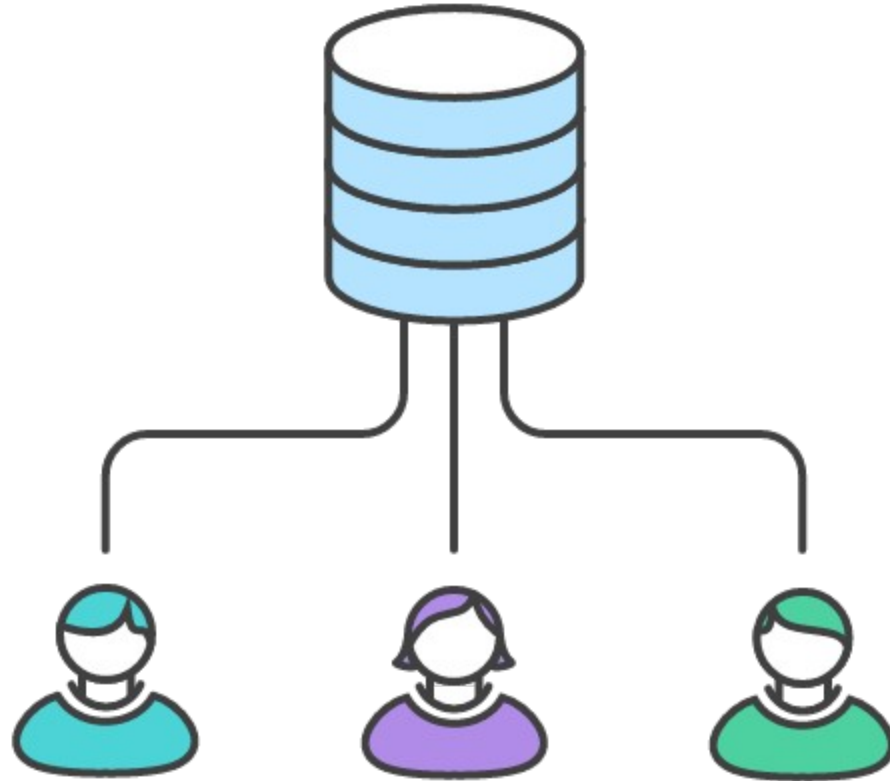
Central Repo Problems

#2

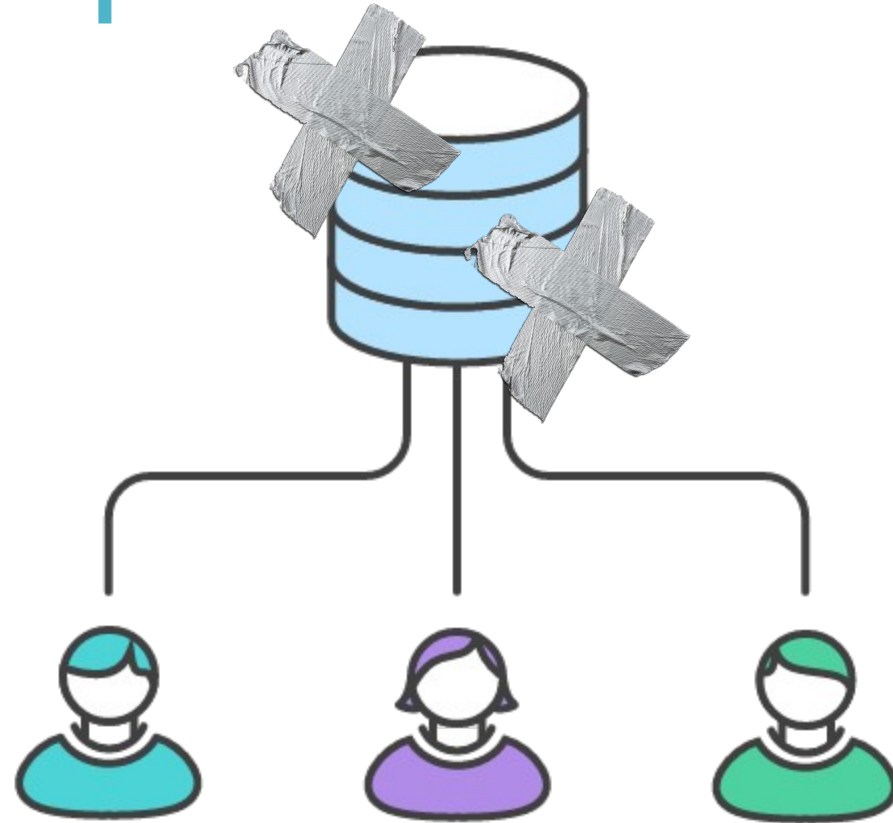


Central Repo Problems

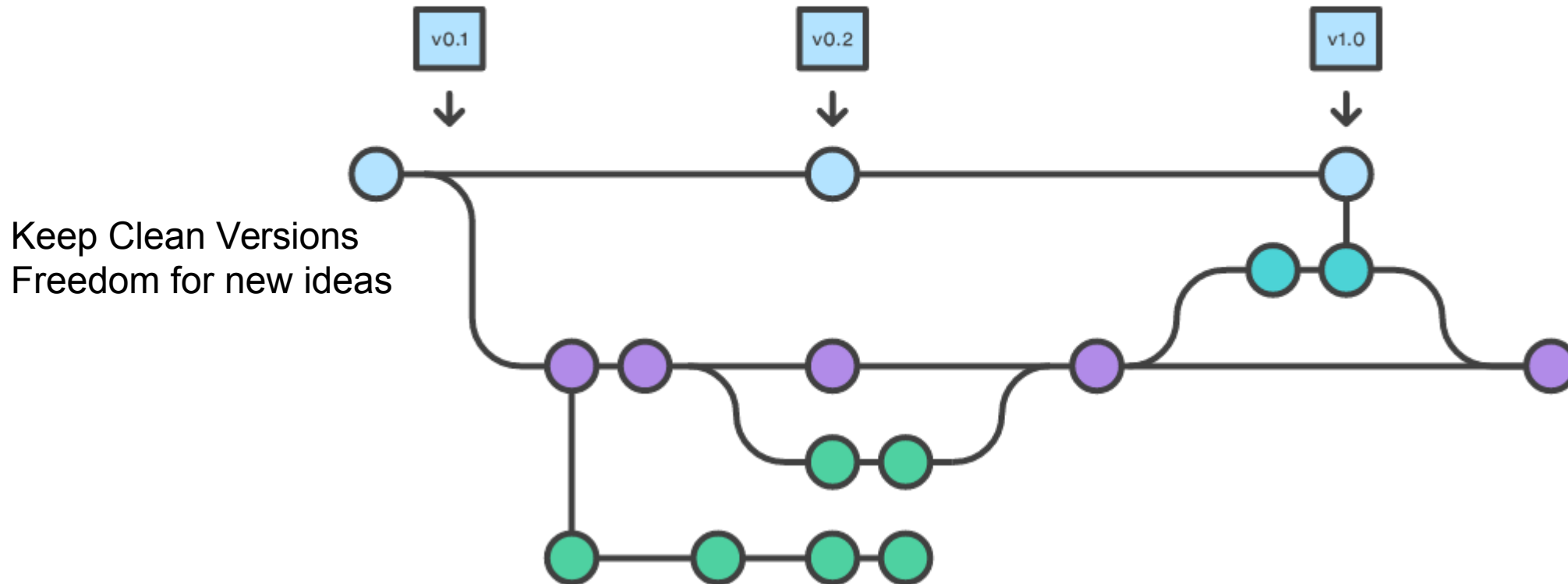
#2



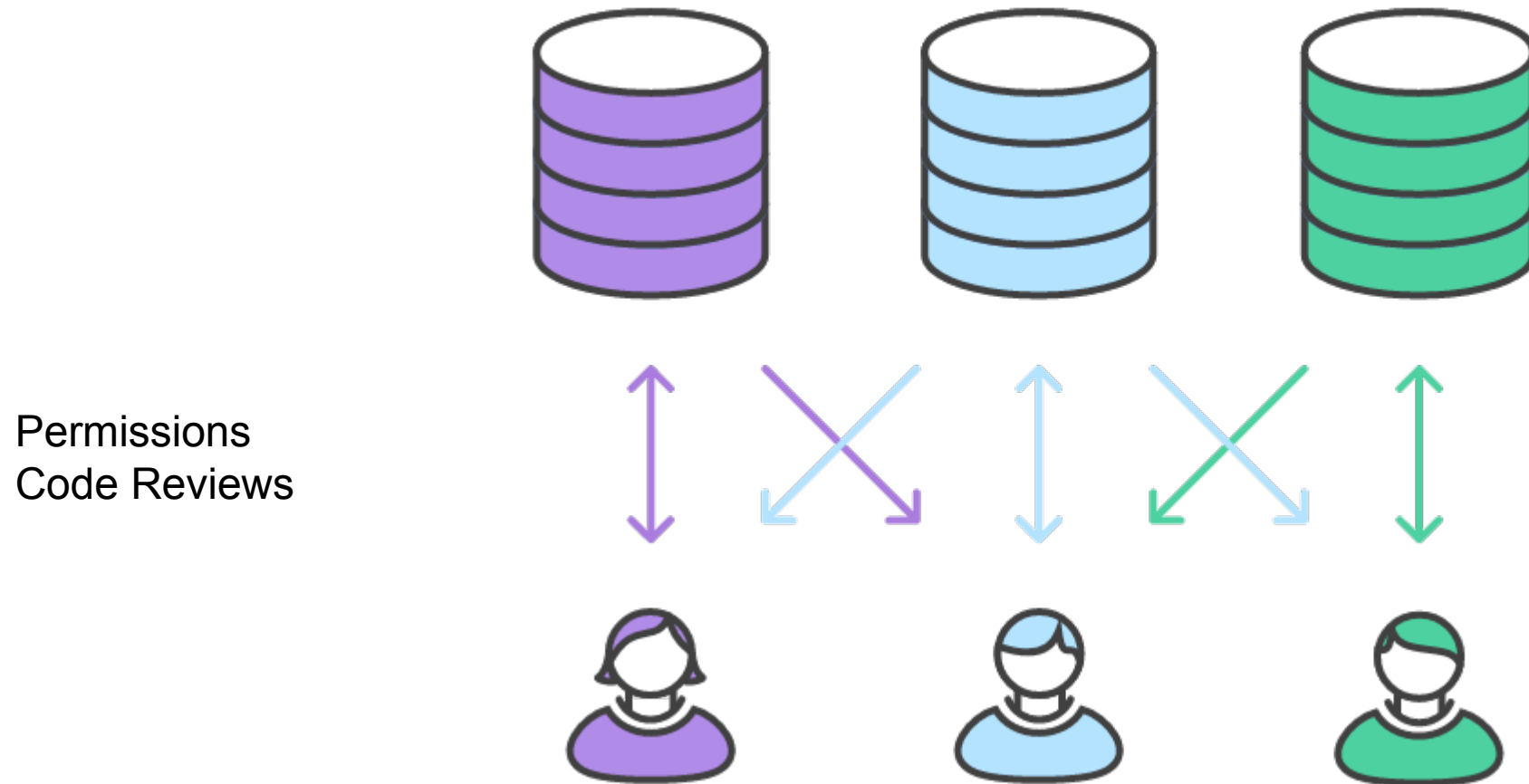
Central Repo Problems



Solution Dev/Release/Feature



Solution Forking/Pull Requests



References

Atlassian:

<https://www.atlassian.com/git/tutorials/comparing-workflows/centralized-workflow> Vincent Driessen:

<http://nvie.com/posts/a-successful-git-branching-model/>

Presentation Skills

Tips and tricks

Requirements

- 12-20 Minutes Including questions (revised to **10 minutes**)
- **Unique** aspects of Team's Solution
- Answering **Questions**

Slide Deck

- **Easy Mode**

- PowerPoint/libreOffice
- Google Presentation

- **Intermediate**

- Microsoft Sway
- Prezi
- SlideShare

- **Advanced**

- Reveal.js
- HTML Framework

Structured Presentation

- Establish problem that your group faced
- Always be addressing the Problem

Demo

- Prepare ahead of time
- Consider using **Video** instead of live
- Highlight features that were unique to your team
- **Practice your demo if you're live demoing!**

Good Luck!

Travis CI

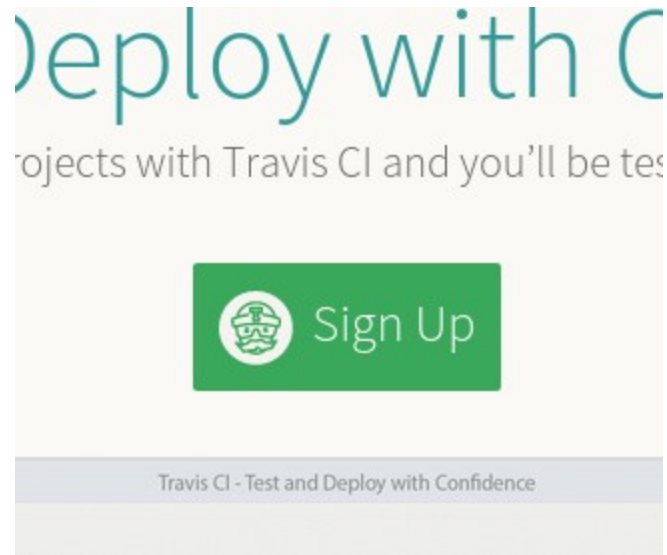
Tips and tricks

Example

- See a working Travis CI with ANT example at:
- <https://github.com/shabbir-hussain/TravisExercise>





Setting up Travis

- Sign up for Travis



Setting up

- Allow travis access to your github

	Repository webhooks and services Read and write access	▼
	Commit statuses Read and write access	▼
	Deployments Manage deployments and deployment status	▼
	Organizations and teams Read-only access	▼

Organization access

Organizations determine whether the application can access their data.

	Fall2015-ECSE321 ✓
	mcgill-ecse321 ✓
	winter2013-ecse321-mcgill ✓

Authorize application



Setting up

- Choose the repo you want for CI



shabbir-hussain/TravisExercis

Setting up

- Add .travis.yml

```
1 language: java
2 jdk: oraclejdk7
3
4 script: ant test
```


Setting up

- Add properties to the build.xml file

```
<property name="junit.output.dir" value="junit"/>
<property environment="env"/>
<property name="libraries" value="lib"/>
```

```
<path id="JUnit 4.libraryclasspath">
  <pathelement location="${libraries}/org.junit_4.11.0.v201303080030/junit.jar"/>
  <pathelement location="${libraries}/org.hamcrest.core_1.3.0.v201303031735.jar"/>
</path>
<path id="TravisExercise.classpath">
  <pathelement location="bin"/>
  <path refid="JUnit 4.libraryclasspath"/>
</path>
```

Setting up

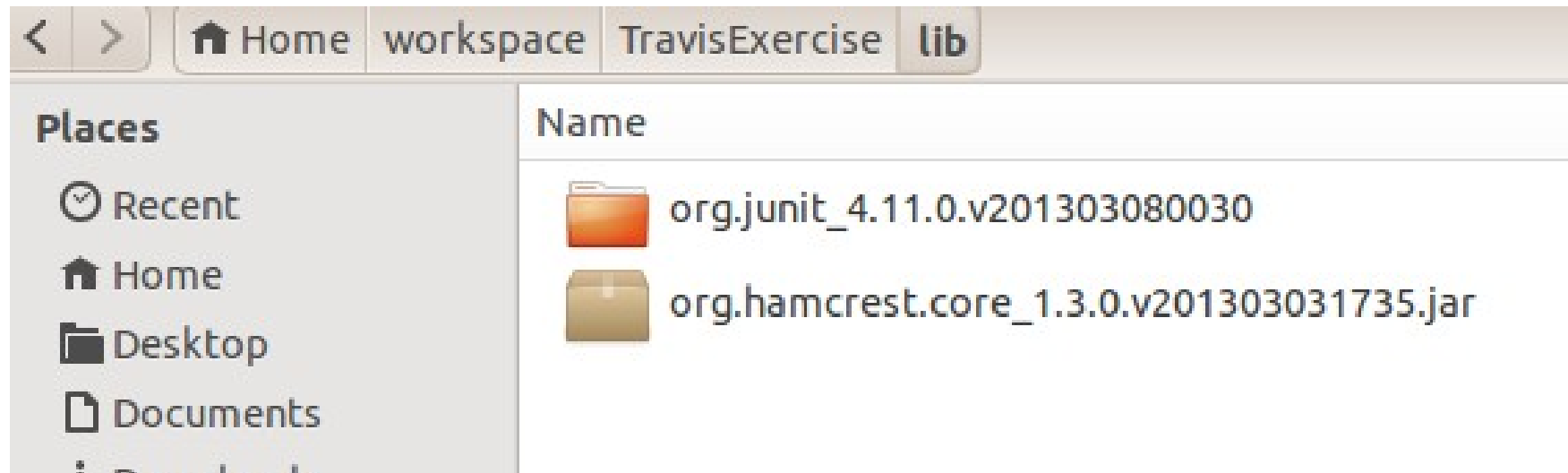
- Add the test target to the build.xml file

```
<target name="test">
  <mkdir dir="${junit.output.dir}"/>
  <junit fork="yes" printsummary="withOutAndErr">
    <formatter type="xml"/>
    <test name="test.OrderTest" todir="${junit.output.dir}"/>
    <classpath refid="TravisExercise.classpath"/>
  </junit>

  <junitreport todir="${junit.output.dir}">
    <fileset dir="${junit.output.dir}">
      <include name="TEST-*.xml"/>
    </fileset>
    <report format="frames" todir="${junit.output.dir}"/>
  </junitreport>
</target>
```

Setting up

- Make a lib folder with the following jars
- (For your project it will be easiest to copy paste the lib folder from the example to your project)



Setting up


- Push your changes


```
shabbir@shabbir-Aspire-S3-391:~/workspace/TravisExercise$ git add .
shabbir@shabbir-Aspire-S3-391:~/workspace/TravisExercise$ git commit
On branch master
Your branch is up-to-date with 'origin/master'.



nothing to commit, working directory clean
shabbir@shabbir-Aspire-S3-391:~/workspace/TravisExercise$ git push origin master
Everything up-to-date
```

Did it work?


- ▮ Check travis homepage
- ▮ **Green** is good

shabbir-hussain / TravisExercise  build error


Current Branches Build History Pull Requests  Settings





master added script tag to yml


 shabbir-hussain authored and committed

2 passed

 Commit 233371c

 Compare 0cfe5c4..233371c

 ran for 8 sec

 less than a minute ago

Setting up Travis

- 12-20 Minutes Including questions (revised to **10 minutes**)
- **Unique** aspects of Team's Solution
- Answering **Questions**