

Software process & tools 2016

Major assessment part 2

S3546424 – Pavel Nikolaev, S3539565 - Mark Bergin,

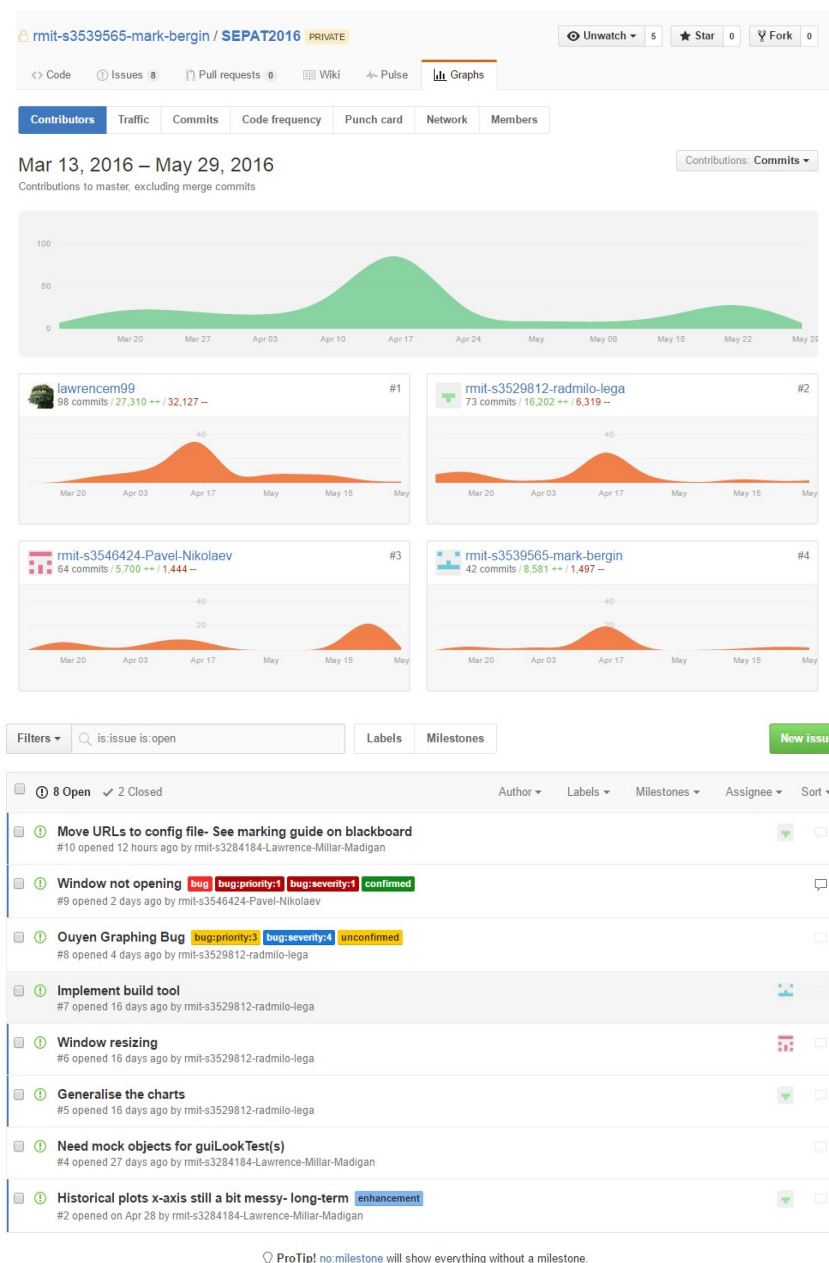
S3529812 - Radmilo Lega, S3284184 - Lawrence Millar-Madigan

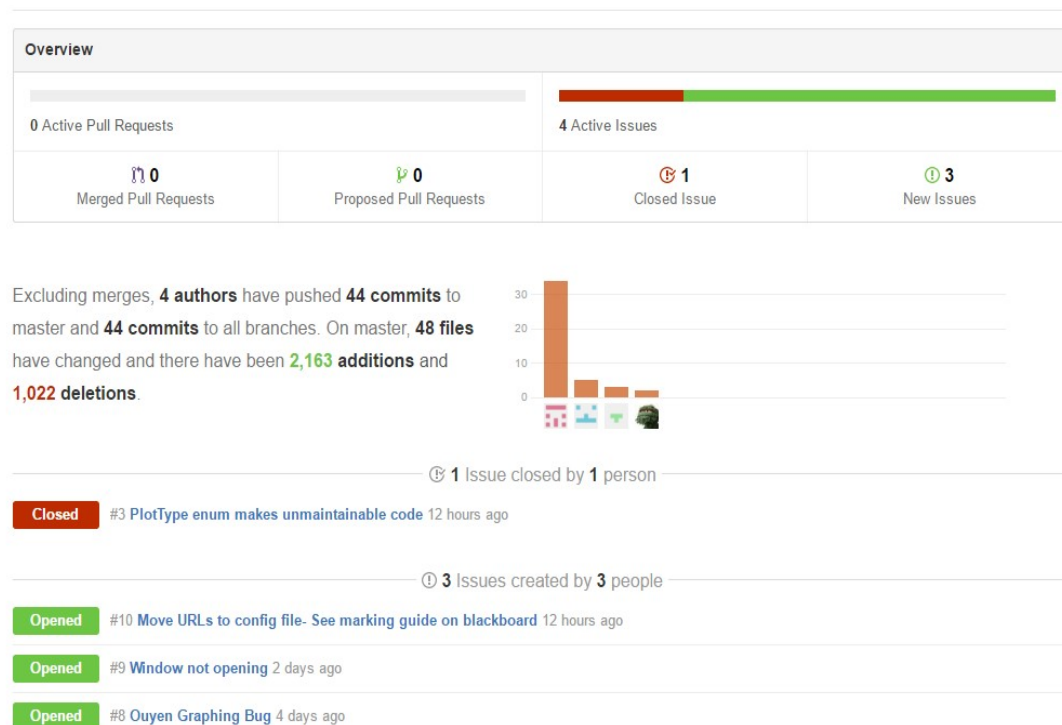
Collaboration Tool Log

GitHub: We used GitHub as our main version control system for the entirety of their project. Near the end another repository was created that had was linked to the Jenkins continuous integration tool. This was due to the fact the GitHub repository is private not giving Jenkins access permissions. Thus in the end we were pushing simultaneously to 2 repositories. We extensively used the GitHub Issue tracker.

Amir Homayoon Ashrafzadeh (our groups assigned tutor) Is part of our GitHub, Trello board and Slack.

Our GitHub repository: <https://github.com/rmit-s3539565-mark-bergin/SEPAT2016>





Slack: Slack was used as our main communication tool for this project.

p0lk0 4:32 PM
yeah i get that
why isnt it accepting rad or lawrence?

markbergin 4:32 PM
Rad might be pulling from the wrong link
I pulled a empty jenkins folder via the wrong link yesterday

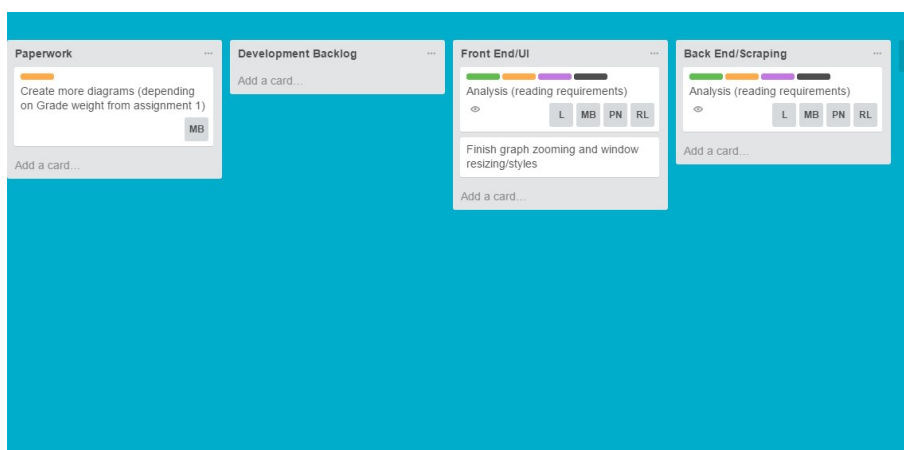
rad 4:33 PM
I literally just pulled a folder called jenkins with a readme
from the link pav gave me

lawrence 4:34 PM
OK Plot resizing was broken as at commit <https://github.com/rmit-s3539565-mark-bergin/SEPAT2016/commit/cffa326564d715f25c82b8d72a91cda16f3d151e>
Checkout that commit and observe the behaviour

p0lk0 4:35 PM
its not broken , im just waiting for you guys to finish so i can fix it up
im the one who did the resizing so dont worry men
il finish it up

markbergin 4:35 PM
<ssh://574929d589f5cf9ddb000155@jenkins-m0rd0r.rhcloud.com/~/.git/jenkins.git/>
This link @rad ? Because two were put in this chat and they were similar, (this one being the right one)

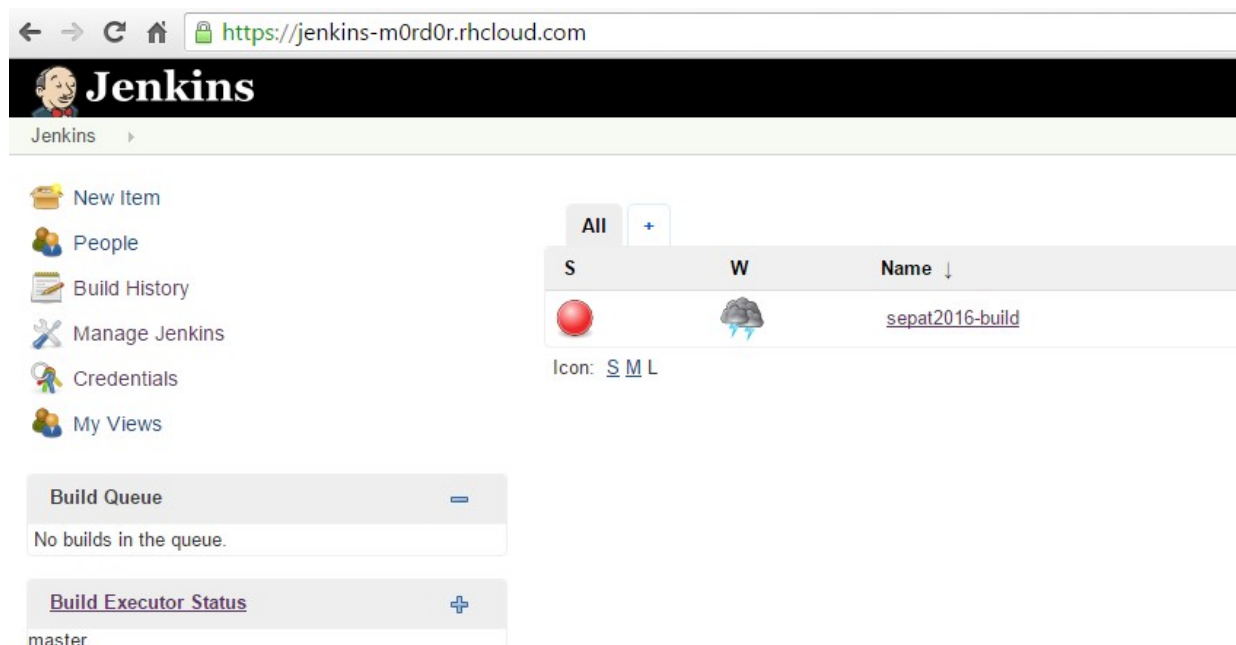
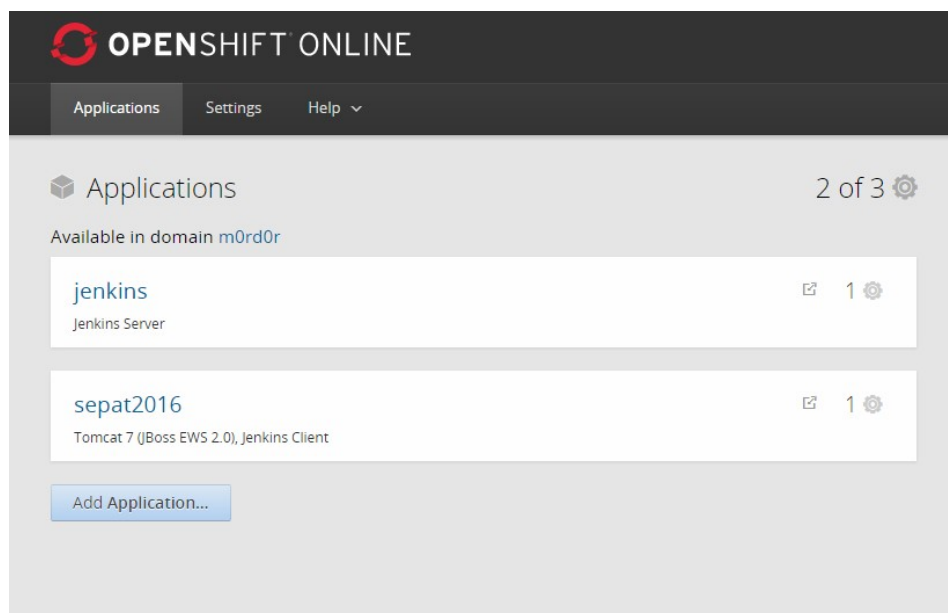
Trello was used as our project planning tool:



We also used a Jenkins server from Open Shift: <https://jenkins-m0rd0r.rhcloud.com/>

Login details for this server :

- Username: admin
- Password: sepat2016Password



Report on Jenkins experiment:

After hours of troubleshooting, configuring and attempts to get a successful build on the Jenkins server, we had no success on successful builds.

The server wouldn't allow us to install JDK 8 onto the system, and all attempts to bypass that method were futile. As the following log report shows:

```

Reusing existing connection to edelivery.oracle.com:443.
HTTP request sent, awaiting response... 302 Moved Temporarily
Location: http://download.oracle.com/otn-pub/java/jdk/8u51-b16/jdk-8u51-linux-x64.tar.gz?AuthParam=1464523785\_25a0c1f5c1311c7af9d36670d4e21dda [following]
--2016-05-29 08:07:45-- http://download.oracle.com/otn-pub/java/jdk/8u51-b16/jdk-8u51-linux-x64.tar.gz?AuthParam=1464523785\_25a0c1f5c1311c7af9d36670d4e21dda
Connecting to download.oracle.com|23.62.6.153|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 173281904 (165M) [application/x-gzip]
jdk-8u51-linux-x64.tar.gz: Permission denied

Cannot write to 'jdk-8u51-linux-x64.tar.gz' (Permission denied).
+ tar -xvf jdk-8u51-linux-x64.tar.gz
tar: jdk-8u51-linux-x64.tar.gz: Cannot open: No such file or directory
tar: Error is not recoverable: exiting now
+ rm jdk-8u51-linux-x64.tar.gz
rm: cannot remove 'jdk-8u51-linux-x64.tar.gz': No such file or directory
+ export JAVA_HOME=/var/lib/openshift/574ad3ea0c1e662c380000c3/app-root/data/jdk1.8.0_51
+ JAVA_HOME=/var/lib/openshift/574ad3ea0c1e662c380000c3/app-root/data/jdk1.8.0_51
+ export PATH=/var/lib/openshift/574ad3ea0c1e662c380000c3/app-root/data/jdk1.8.0_51/bin:/etc/alternatives/java_sdk_1.7.0/bin:/etc/alternatives/maven-3.0/bin:/bin:/usr/bin:/usr/sbin
+ PATH=/var/lib/openshift/574ad3ea0c1e662c380000c3/app-root/data/jdk1.8.0_51/bin:/etc/alternatives/java_sdk_1.7.0/bin:/etc/alternatives/maven-3.0/bin:/bin:/usr/bin:/usr/sbin
Skipping Maven build due to absence of pom.xml
+ cd /var/lib/openshift/574ad3ea0c1e662c380000c3/app-root/runtime/repo/
+ export GRADLE_USER_HOME=/var/lib/openshift/574ad3ea0c1e662c380000c3/app-root/data/gradle
+ GRADLE_USER_HOME=/var/lib/openshift/574ad3ea0c1e662c380000c3/app-root/data/gradle
+ export GRADLE_HOME=/var/lib/openshift/574ad3ea0c1e662c380000c3/app-root/data/gradle-1.6
+ GRADLE_HOME=/var/lib/openshift/574ad3ea0c1e662c380000c3/app-root/data/gradle-1.6
+ export PATH=/var/lib/openshift/574ad3ea0c1e662c380000c3/app-root/data/gradle-1.6/bin:/etc/alternatives/java_sdk_1.7.0/bin:/etc/alternatives/maven-3.0/bin:/bin:/usr/bin:/usr/sbin
+ PATH=/var/lib/openshift/574ad3ea0c1e662c380000c3/app-root/data/gradle-1.6/bin:/etc/alternatives/java_sdk_1.7.0/bin:/etc/alternatives/maven-3.0/bin:/bin:/usr/bin:/usr/sbin
+ gradle build

```

After attempting to install the JDK-8u51 Permission was denied as we couldn't write to the system.

Further on down the log you can see an export of the GRADLE_HOME to PATH including a java_jdk_1.7 which is outdated and unworkable with our solution.

However we were able to set up Jenkins, appropriately access and attempt to build from a git repository on an open-shift cloud server, and provided all the configurations that should have worked, given that the appropriate jdk was installed.

Overall giving us allot of experience working with a difficult and restricting environment.