**Sprint Report Document**

IBM

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**1. Sprint Planning Meeting – 3/9/15**

**1.1 Sprint Backlog**

* Backlog currently contained within the Github website:
  + https://github.com/the0ldknighte/IBM\_Capstone\_Project

**2. Sprint Review Meeting 4/6/15**

**2.1 Customer Demo**

* Graphite-web is correctly configured
* We have Grafana correctly configured
* We have Jenkins correctly configured to send data to a consistent directory in graphite-web
* Grafana and Graphite-web are communicating with each other properly

**2.2 Stakeholder Involvement Review**

* Mentors
  + Have kept up to date with project progress
  + Have answered any relevant questions that need to be answered
  + Created a VM for testing purposes regarding Ansible
* Scott
  + Updated project plan
  + Installation and setup of Grafana
  + Looking into file structure of Grafana
  + Wrote weekly reports
* Madeline
  + Configured directories for Jenkins to send data to in graphite-web
  + Worked on a list of project steps for Brandon to use while writing playbooks for deployment
  + Testing the process of sending data from multiple projects via Jenkins
    - Larger amounts of data as well as period sending times
  + Updated Req. doc and design doc. And wrote this Sprint report
* Brandon
  + Working on getting Ansible playbooks running
    - Finished configuring demo
    - Finished testing demo
    - Working on graphite playbooks for deployment
* Adam
  + Configuration of graphite-web
  + Apache installation and configuration
    - Graphite-web public access
    - Grafana public access

**2.3 Data Management Review**

* Currently there is no formal data configuration provided, all used data is test data that does not require formatting based upon the project specifications

**2.4 Requirements Review**

* New VM provided by mentors for testing

**2.5 Progress Review**

* Completed:
  + Graphite-web configured with apache
  + Grafana installed and configured to communicate with graphite-web
  + Data correctly being sent across all components
* In progress:
  + Creating relevant graphs in Grafana
  + Configuring Grafana to save dashboard
  + Sending larger amounts of data as well as data from different Jenkins servers
    - Testing of these processes
  + Making Ansible Playbooks
  + Testing playbooks for Automated deployment

**3. Sprint Retrospective Meeting –** 3/30/15

**3.1 Top Highlights**

* Correctly installed Grafana
* Correctly configured the graphite-web app with Apache
* Displayed data in graphical format

**3.2 Top Lowlights**

* Data is in units that are incorrect/not completely understandable
* Data is spotty and not consistently being sent
* Grafana is not saving properly
* Data structure not completely understood

**3.3 Reflection on Improvements**

* Continue to research how correctly use Grafana
  + Formatting
  + Graphing functions and queries
  + Save feature
* Increased communication
  + Group meetings
  + Emails