Weekly Report for Week Ending 4/10/15

IBM Continuous Integration Project

Adam Murray, Brandon Ebersohl, Madeline Gordon, Scott Rotvold

# Status Summary

* Have graph saving functionality working, beginning work on Ansible playbook.

## Top Highlights

* Graphite web can save graphs
* Graphite can receive data from multiple sources
* Work on Ansible playbook has begun
* Stronger understanding of data structures reached.

## Top Lowlights

* Took a while to get the CORS (functionality allowing multiple machines to push metrics at once) to work.

# Accomplishments vs. Plan

* Accomplished – Graphite CORS working
  + Owner: Adam, Madeline
  + Status: Installed and fixed any required issues with CORS
* Accomplished – Graphite saves graphs
  + Owner: Adam, Madeline
  + Status:
* Plan – Start creating Ansible playbook
  + Owner: Brandon
  + Status: Now that project is in working order, we can begin to compile the playbook for it in Ansible
* Accomplished – Data structure format understood
  + Owner: Scott
  + Status: After digging into the metrics pushed, a better understanding of how information is saved and uploaded to Grafana has been reached.

# Goals for Next Week

* Start writing the Ansible playbook
* Finish up any documentation
* Continue to work on data formatting

**Risks**

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| **ID#** | **Status** | **Risk** | **Owner** | **Probability/ Priority** | **Impact** | **Trigger** | **Recommendation / Resolution** |
| R001 | Resolved | Setting up Git repository | Team | 20% / High | Might cause a bottleneck in overall project | Need to continue with project | In case of impending bottleneck, will contact sponsor ahead of time and inform them of the situation |
| R002 | Resolved | Getting real Open Stack Jenkins data | Sponsor | 45% Medium | Required to test the system when it is setup | Decision from mentors to use real data | If critical point reached, dummy data will be used |
| R003 | Resolved | Getting an example Jenkins setup | Sponsor | 15% Medium-Low | Would be helpful for setting up the test Jenkins server | Idea brought up by a mentor with an old Jenkins setup | Will continue to setup the system wither this is found or not. |
| R004 | Resolved | Getting a server setup to host Graphite | Team | 15%/ High | Without a host server, testing our project will be much more difficult | Server requested for resources from CSCI department | Make sure that the server is set up, in meantime be prepared to come up with an alternative |
| R005 | Resolved | Understanding how data is taken from Jenkins | Team | 20%/ High | Is a requirement to display data | Needed to continue project | Put in time required to understand problem |
| R006 | Resolved | Properly Setting up Graphite | Team | 15%/High | Need to graphically represent the data | Needed to show how project is working | Continue research into how to properly configure grafana’s UI |
| R007 | Resolved | Getting the tox setup to run functionally | Adam, Maddie | 40%, High | Need tox to pass metrics through Jenkins | Needed to make our own test data | Find what dependencies are missing so tox is functioning. |
| R008 | Ongoing | Getting the Ansible playbook correctly implemented | Brandon, Adam, Scott | 30%, High | Mentor would appreciate having the playbook for easy install | Needed to remove the complicated install process | Work with Brandon to make sure the playbook is created correctly |

## Issues

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID#** | **RID#** | **Status** | **Issue** | **Owner** | **Due Date** | **Impact** | **Recommendation / Resolution** |
| I001 |  | Resolved | Communication is not standardized | Team | 1/31/2015 | Issue will compound and will take longer to fix if left unchecked | Resolution: Team will use google hangouts for communication with mentors and each other. |
| I002 |  | Resolved | Microsoft Project Plan requirement unclear, need to redo project plan | Team | 2/10/2015 | Issue will compound on future reports if we do not fix now | Recommendation: Team will fix current MS project document and add more specific sprint milestones. |
| I003 |  | Resolved | Communication between group members inadequate | Team | 2/17/15 | Issue will reduce effectiveness of team | We set up a meeting time to resolve communication issues. |

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| **Project Success Indicator** | 1/31/14 | 2/7/14 | 2/14/2014 | 2/21/2014 | 2/28/2014 | 3/7/2014 | 3/14/2014 | 3/21/2014 | 3/28/2014 | 4/4/2014 | 4/11/2014 | 4/18/2014 | 4/25/2014 | 5/2/2014 |
| Planned milestone events are being met | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |  |  |  |
| Budget is under control | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |  |  |  |
| Quality control results are within specifications | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |  |  |  |
| Change control process indicates minimal requests for change | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |  |  |  |
| Project resources are being supplied per schedule and skill levels are adequate | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |  |  |  |
| Project team appears to be cohesive and reasonably happy | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |  |  |  |
| Users seem satisfied with progress of the work | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |  |  |  |
| Top management remains visibly supportive of the project goals | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |  |  |  |
| Third-party vendors are delivering quality items on schedule | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Risk events are under control and nothing unusual is appearing | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |  |  |  |
| Project training program is progressing according to plan | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |  |  |  |
| Relationships with support groups appear to have no identifiable issues | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |  |  |  |

In each cell say OK or put a number for a note that you add below.

Note 1: