**TO:** Dr. T.L. Lewis **FROM:** Turba Tech

**TIME COVERED BY REPORT:** February 14, 2012 –Present

**SUBJECT:** Progress Report: \_\_\_\_Iteration two\_\_\_\_\_\_\_\_\_\_

**PROJECT MANAGER:** \_\_\_\_\_Randy Akers\_\_\_\_\_\_\_\_\_\_\_

**Introduction**

Turba Tech will provide the client with a version of Chaos Monkey that is compatible with Rackspace’s OpenStack framework. They will also provide the client with a reporting functionality to monitor the effect of Chaos Monkey on their systems, as well as the health of those systems after Chaos Monkey has been unleashed. This Progress Report is being compiled for Iteration two. The goal of Iteration two is to give Openhack the ability to create a log describing what Openhack attempted to do. It will also be able to delete instances and output success or failure to terminate. And lastly, Openhack will be able to search for tags in instances and save settings for convenience to the user.

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| CRITICAL TASK (ACTIVITIES) | **% COMPLETE** | **DURATION** | **START DATE** | **FINISH DATE** | **RESOURCES (MEMBERS)** |
| Find commands for OpenStack | 100 % | 2 days | February 14, 2012 | February 16, 2012 | Gerald |
| Find out how to close instances | 100 % | 3 days | February 16, 2012 | February 19, 2012 | Philip |
| Write necessary tests for this iteration | 25% | 7 days | February 25, 2012 | March 3, 2012 | Philip and Michael |
| Development for this iteration | 0% | 9 days | February 25, 2012 | March 5, 2012 | DJ and Gerald |

**Work Completed**

The first task that we completed for iteration two was to find all of the commands for OpenStack. OpenStack is poorly documented and our client suggested a way for us to find all of the commands that were available.

Our second completed task for this iteration was to not only find out what code to use in order to close an instance, but also to find out how the client wanted us to close an instance. Finding the commands to use and figuring out which ones we needed wasn’t difficult. After we found everything we needed, we clarified with the client that it was acceptable for our purposes to just delete an instance as a means to close it.

**Present Status**

As of today, we have all of the commands that we need for Openstack and we know exactly how our client wants us to go about closing instances. We have all test cases written and have started writing test scripts for this iteration. Once the test scripts are written, we can start on the development for this iteration.

**Work Remaining**

All that’s left for this iteration is to finish writing test scripts and start developing what we need done for this iteration. The tests and development required for this iteration are creating and opening a file that logs what Openhack has done, deleting an instance, output success or failure to terminate, search for tag in instance, and save settings. Expectations are high for this iteration because we haven’t faced any severe obstacles and the team as a whole has a good understanding of what needs to be done. We want to accomplish everything required for this iteration.

**Conclusion**

Up to this point our milestones for Iteration two are still feasible and are within range for this Iteration to be finished on time. With a full list of available commands in Openstack and a full understanding of what the client wants, we are on track with completing iteration two.

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|  | **Names of Group Members** | **Signatures of Group Members** |
| **1** | Michael D. Bristol II |  |
| **2** | William D. Whelchel II |  |
| **3** | Randy B. Akers |  |
| **4** | Philip M. Knouff |  |
| **5** | Gerald I. Ottman III |  |