|  |  |
| --- | --- |
| Project Status Report | Overall Status: **On Track** |

# Project Name: User Interface for Commvault Simpana using Python

February 19, 2018

|  |  |
| --- | --- |
| Status Code Legend |  |
| * On Track: Project is on schedule | * High Risk: At risk, with a high risk of going off track |
| * At Risk: Milestones missed but date intact | * Off Track: Date will be missed if action not taken |

|  |  |
| --- | --- |
| The project is On Track the week of 2/12/2018 - 2/24/2018, due to the following: | * [To add a bullet for any status, on the Home tab, in the Styles gallery, click the name of the status of you need.] * [To replace any placeholder text (such as this) just click it and start typing.] * [Additional status item.] |
| Issues: | * [Issue No. 1] * [Issue No. 2] * [Issue No. 3] |
| Milestones accomplished the week of 2/12/2018 - 2/24/2018: | * Initiated the backup job using script in Commvault * [Milestone No. 2] * [Milestone No. 3] |
| Milestones planned this week, but not achieved with variance: | * Perform a restore job using script * Add clients and backup scheme using script * Perform google cloud server monitoring using python |
| Milestones planned for next week: | * Creating a full scale wrapper for commvault console using python |
| Areas/questions for discussion: | I am having some problem with this repository - inwk6312-winter2018-miniproject-rajarajann, hence please visit the below repo for Python - Mini project  <https://github.com/rajarajann/miniproject_python_cvpyintegration.git> |
| Last week’s issues forwarded to this week: | Last week I couldn’t fetch any API keys for linkedin / Glassdoor. Hence with approval from Ying, started working on this project |

# Contact Information

[If you want to add any important info about the contacts that follow, you can do that here. If not, just click this placeholder and press Delete to remove it.]

|  |  |
| --- | --- |
| **Your details**  Mobile: 902-989-6688  Email: rajarajan.nagarajan@dal.ca | **Instructor Details: Ying Hu**  Office: [Office Phone]  Email: ying.h@dal.ca |

# Project Abstract

Problem statement: Commvault Simpana backup tool which is an Enterprise level backup suite has only GUI based operations since it can be hosted only on a windows server as it is dependent on MSSQL as its back-end database. Because of this constrain we will not be able to perform any remote operations on this backup suite from a non-GUI based OS, mostly Unix servers. Hence this python program would create a python interface which will enable us to perform the operations on this suite.

# <https://github.com/rajarajann/miniproject_python_cvpyintegration>

# Project Build Instructions

Task description: I have initiated a windows server in Google Cloud platform which is being used as the Commvault backup server. One more GCP VM instance as a client machine that will be backedup by the Commvault server.The remote storage for this backup is a nearline storage offered in google cloud platform. My python program will act as a user interface from Unix machine to work with operations like, creating a client, running a backup, restoring the backup, browsing through the backup files etc on the server and alert us if the Google’s cloud storage is reaching the threshold that we set.

Tools planned to use and their reference links:

Tool: Commvault v11 (Evaluation version) API: Commvault REST Data formats: JSON, XML Work environment: Google cloud platform , Windows Server 2012, Windows Server 2008 R2,Pycharm

Future scope:

Improve support for user interactions by installing all the features available in the GUI console

References made till now:

<http://documentation.commvault.com/commvault/v10/article?p=features/rest_api/rest_api_getting_started_python.htm>

[Include additional documents here]