

DELL BUYER APPLICATION METRICS MONITORING APPLICATION

Metrics-Collector-API & Splunk-Dashboard

WEEKLY WORK PLAN BREAKDOWN

Week 1 [26/05 to 30/05]:

- Adjustment time & Introduction to the Project

Week 2 & 3 [01/06 to 12/06]:

- Allocated time for learning relevant technologies and detailed briefing on the project objectives & architecture to the team.
 - Subject 1: Splunk Fundamentals 1 & 2
 - Subject 2: DotNetCore Web-API
 - Subject 3: Working with PCF
 - Architecture Briefing with Team
- First Sprint Plan for Weeks 4 & 5.
 - Identifying individual work items and assigning it to the team
 - Initial Commit to the GitLab Repo and first PCF Deployment

Week 4 & 5 [15/06 to 26/06]:

- Build the BackEnd API [90% of work goes into this]
 - Initialize & Test Primary API Post Method
 - Procure details on GitLab API to receive metrics information from Apps [For PCF Apps with CI/CD Infra.]
 - Build the Log Transformer Controller for splitting the metrics and flattening the structure of individual metrics logs
 - Procure Splunk HTTP Collector API Details
 - Build Splunk HTTP Collector API to push the transformed logs to Splunk
- Setup Private Splunk Dashboard with basic visualizations [10% of work goes here]
 - Setting up Splunk Dashboard with Demo data and build visualization for a metric in a demonstrable way

June 30th: [MVP Demo with Stakeholders]: Preparation on 29th for the same and Internal Demo

Week 6 & 7 [01/07 to 10/07]:

- Incorporating Demo Feedback
 - Ad-Hoc work
- Extending the capabilities of API to support additional metrics [1 Intern]
 - Work on Log Transformer for refining and extracting information from remaining metrics
- Adding detailed dashboards on Splunk for multiple Apps [2 Interns]
 - Work on Splunk Dashboard adding user selections and tweaking visualizations
 - Publishing the Splunk Dashboard after reviewing with Admins (Tanuj /Amit)

Week 8 & 9 [13/07 to END]:

- Wrapping up the project objectives and buffer time for accommodating any uncertainties in earlier deadlines.
 - Documenting the work and giving Interns buffer time to wrap up the work assigned to them.
 - Accommodating additional work and finishing touches.