

Project Purpose

To develop a real time tool to allow users to create visualisations of critical and typical syslog statistics and metrics. This will provide a method of analysing systems behaviour and performance over time and to reduce the loss of data or system damage by providing notifications or alerts.

Key Responsibilities

Technical

- Work with a project manager to define functionality, scope milestones and interact with other teams within the business
- Define a suite of real time information of interest for users from syslog's. For example:
 - DAG or RAID statistics
 - the number of occasions a CPU has been running at 100%
 - Configuration changes and time
 - Warning and error logs/counts over time
- Recommend, design and implement a logical visualization tool that allows users to reduce the amount of manual sifting of logs, files and folders to find this information and supplies first tier pre-diagnosis for customers
- Prepare documentation to support the project including, review, analysis of data, and end report

Organization

- Complete administrative tasks in an accurate and timely manner
- Comply with and ensure safe working practices of self and others in accordance with Health and Safety Procedures
- Observe and comply with developing policies procedures, strategy and quality management systems
- Positively support effective communication, provide constructive feedback
- Support and promote Endace's overall organizational vision, values and culture
- Assist with the selection of approaches, methods and/or services as required
- Any other reasonable duties as required

Competency Profile

Technical

- A specialisation in Computer Science, Software Development/Engineering
- Knowledge of REST API and Javascript.
- Knowledge of any monitoring tools/technologies e.g. splunk,SNMP,ELK.
- Experience with scripting languages such as Python and Bash
- A sound understanding of Linux
- An understanding of networking basics
- Ability to work with a wide range of people across different disciplines in the business
- Development experience in C,C++ is desirable but not mandatory

Core

Interpersonal Skills

Understands the attitudes, interests, needs and perspectives of others.

Listens carefully and non-defensively to various points of view whether or not they agree with these.

Achievement Drive and Energy	A drive for success and perseuse results. Is action oriented and pursues things with energy and drive. Dedicated, committed, enthusiastic, positive and motivated.
Planning, Organising and Prioritising	Undertake set work plans that have localised impact. Keeps a view of department priorities.
Communication Skills	Able to communicate logically, clearly, effectively and confidently at all levels. Listens intently and ensures other party feels they have been heard and understood.
Tolerance to Ambiguity	Is able to draw together conclusions from incomplete evidence and data seeking guidance if required.

Date:	July 2020	Project:	Syslog Monitoring Using Visualization Tools
Title:	Engineering Intern	Level:	Intern
Position Reference:	2020/2021 Internships	Employment Status:	Fixed Term
Department:	Quality, Engineering	Hours:	Fulltime
Physical Location:	Hamilton	Budget Level:	NA
Responsible to:	Project Manager	Team Leadership:	Nil