

## Project Purpose

To stand up a set of TACACS, RADIUS, LDAP servers to test and validate AAA (Authentication, Authorization and Accounting) protocols and to automate these process.

## Key Responsibilities

### Technical

- Work with a project manager to define functionality, scope milestones and interact with other teams within the business
- Undertake preliminary research on the different TACACS, RADIUS, LDAP implementations and gain an understanding on how to utilise them
- Review the options available from the initial investigation and confirm a set of implementations
- Write ansible deployment roles to automate server setup
- Provide working examples for different aspects of Endace's AAA usage
  - Basic 1:1 account mapping
  - Mapping back to a generic Endace account
  - Mapping back to a generic Endace account and providing role assignments via AAA
- Implement ROBOT automation making use of the new servers and functionality
- Prepare documentation to support the project including, review, analysis of data, and an 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
- Experience with scripting languages such as Python and Bash
- A sound understanding of Linux
- Development experience with C (optional)
- Ability to work with a wide range of people across different disciplines in the business
- An understanding of networking basics

### 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 persevere 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 the 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.

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**Date:** July 2020  
**Title:** Engineering Intern  
**Position Reference:** 2020/2021 Internships  
**Department:** Software, Engineering  
**Physical Location:** Hamilton  
**Responsible to:** Project Manager

**Project:** AAA Test Harness  
**Level:** Intern  
**Employment Status:** Fixed Term  
**Hours:** Fulltime  
**Budget Level:** NA  
**Team Leadership:** Nil