

Project Purpose

This project aims to improve packet capture performance for Endace virtual appliances in public and private cloud environments by leveraging the Linux Express Data Path feature. All major Cloud provider and virtualisation drivers have support for XDP (Amazon, Azure, Google, Oracle, VMware, KVM virtio). Usage of this technology can improve performance and lower overhead of capturing real traffic in Cloud and virtualised environments.

Key Responsibilities

Technical

- Work with a project manager to define functionality, scope milestones and interact with other teams within the business
- Research the tools and technologies required including investigating XDP and eBPF capabilities and performance
- Develop rules to redirect packets and the means to evaluate performance with network interfaces
- Investigate and integrate XDP dynamic filtering to improve processes
- Test the functionality to ensure it functions without error and meets the specifications
- 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
- Experience with C programming
- Experience with Linux shell commands
- Basic skills using Git version control
- Understanding of networking and packet capture
- Familiarity with Cloud or virtualisation environments desirable.

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 peruse 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: September 2026
Title: Engineering Intern
Position Reference: 2026/2027 Internships
Department: CTO
Physical Location: Hamilton
Responsible to: Project Manager

Project: Cloud Packet Capture Performance
Level: Intern
Employment Status: Fixed Term
Hours: Fulltime
Budget Level: NA
Team Leadership: Nil