

Introduction

Fulton Hogan delivers infrastructure to improve the lives of people in Australia and New Zealand. They have 9,000 strong members in every kind of weather, creating, connecting, and caring for communities¹.

A Secure Web Gateway (SWG) is either an on-premise or cloud network security technology that filters internet traffic and enforces company policy compliance².

Aim

Create User Stories from everyday users for the test pilot deployment of the modern SWG solution to provide a Proof of Value (PoV) to the organisation.

Testing and documenting 10 key enterprise applications and browse the web that provides an improved user experience.

Method

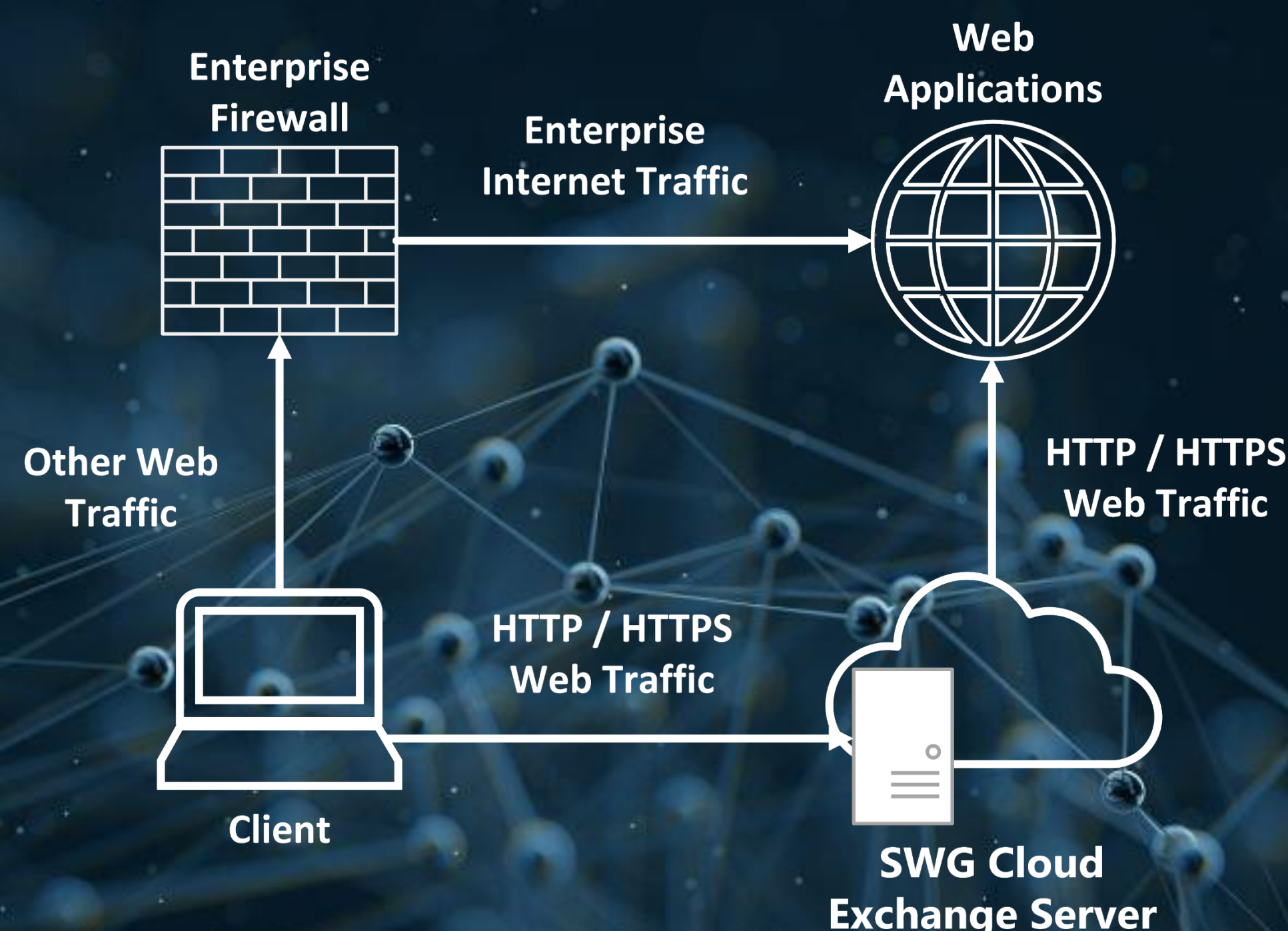
Agile is used to manage tasks and workload that centres around incremental steps. In the agile process there is consistent communication with the client throughout the project³.

Outcomes

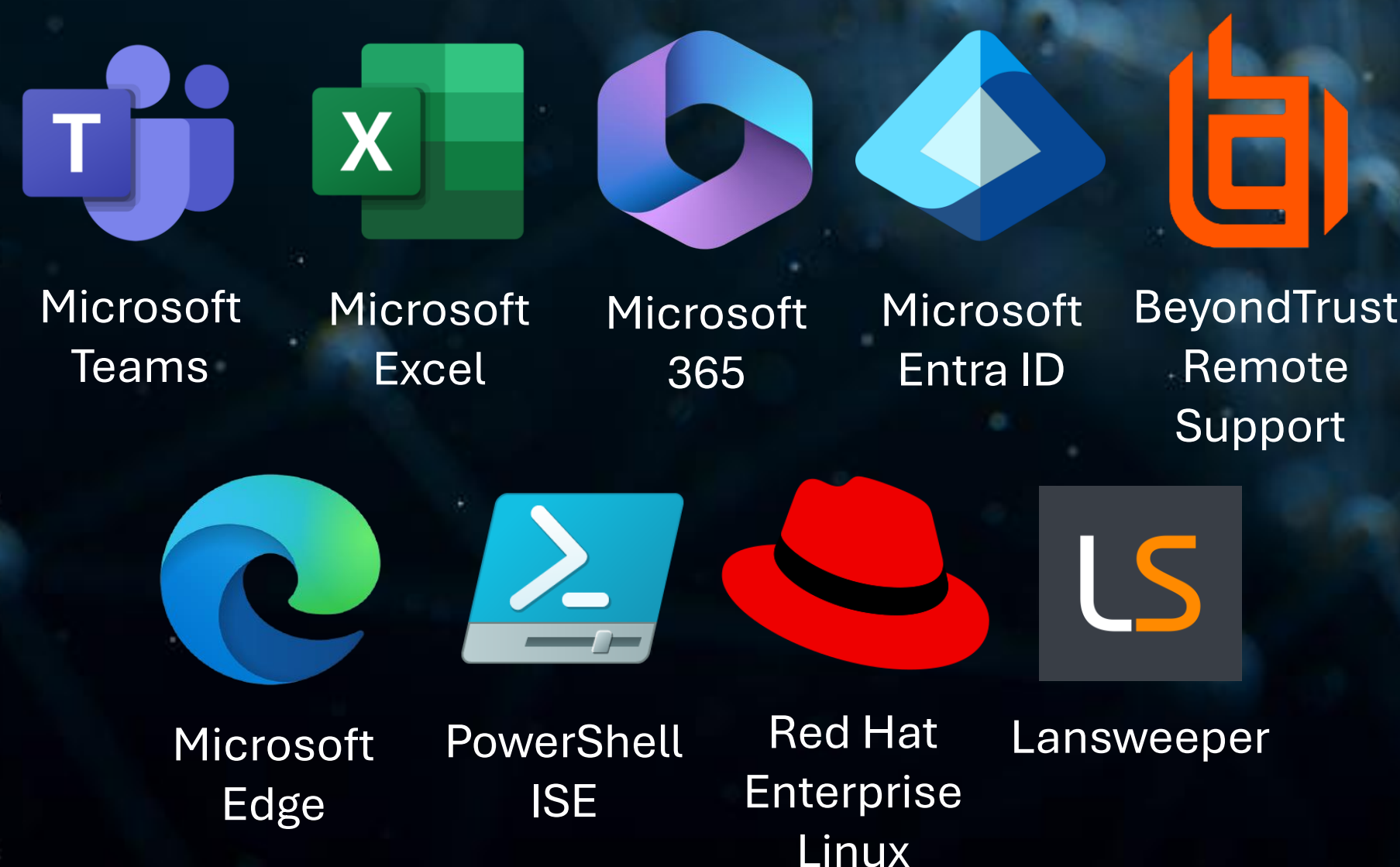
- High level documentation of the current state.
- Created new Active Directory groups synced to Microsoft Entra ID.
- Documented the testing of the new SWG solution.

Figure 1

Secure Web Gateway Diagram



Tools Used



Learnings

- Develop skills and expertise in the workplace environment
- Understanding how the workplace functions
- In-depth knowledge of network security
- Processes of testing network software
- Variety of different tools that are used in industry
- Enhance knowledge of networking for continual development

Conclusion

This project posed multiple challenges that were addressed systematically to meet the deliverables. The student gained experience working with Fulton Hogan and enjoyed working with the team. It is important that consistent communications are maintained within the team to successfully complete the project deliverables.

References

1. Fulton Hogan Ltd. (n.d.). : <https://www.fultonhogan.com/>
2. paloalto networks. (n.d.):. : <https://www.paloaltonetworks.com/cyberpedia/what-is-secure-web-gateway>
3. Frohlich, A. (2022, March 3). : <https://www.techtarget.com/searchnetworking/tip/Business-benefits-of-an-Agile-networking-approach>

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