# Project: METAL SNAKE



## Project Budget

**Project Sponsor:** Brendan Gasparin

**Project Manager:** Brendan Gasparin

**Date of Project Approval:** 14/08/2024

**Commencement Date:** 29/07/2024

**Estimated Completion Date:** 24/10/2024

**Estimated Project Duration:** 17 Weeks

**Version:** 1.001 (2024-08-25)

# 1. Executive Summary

## 1.1. Purpose

The purpose of this Project Budget is to outline and track the financial resources required to successfully complete Project: METAL SNAKE. The budget ensures that all necessary expenses, including personnel, hardware, software, and facility costs, are accounted for and monitored throughout the project lifecycle.

## 1.2. Overview

Project: METAL SNAKE involves setting up an on-premises cybersecurity lab with a web server, as well as a cloud server for hosting client web websites, and a cloud-based SIEM system for security monitoring. The estimated total project budget is AUD 2,350.99, which covers personnel, hardware, software, and facilities. A contingency fund has also been allocated to account for unexpected expenses. This new infrastructure should significantly lower the costs of client cloud hosting.

# Table of Contents

# 2. Budget Categories

## 2.1. Personnel Costs

The Project Manager and the intern are working on Project: METAL SNAKE alone, without drawing salaries or wages.

### 2.1.1. Salaries and Wages

| Role | Estimated Cost | Actual Cost | Variance |
|---|---|---|---|
| Project Manager | $0.00 | | |
| IT Team | $0.00 | | |
| Security Team | $0.00 | | |
| Operations Team | $0.00 | | |
| Intern | $0.00 | | |
| Total | $0.00 | | |

### 2.1.2. Total Benefits and Overheads

| Description | Estimated Cost | Actual Cost | Variance |
|---|---|---|---|
| Benefits/Overheads | $0.00 | | |

| | | | |
|---|---|---|---|
| Total Personnel Costs | $0.00 | | |

## 2.2. Hardware Costs

### 2.2.1. Procurement of Equipment

Some items, such as cabling, a network switch, and an ISP modem were already owned by the organization, ot the organization has been given permission to use them by stakeholders.

| Item | Est. Cost | Actual Cost | Variance |
|---|---|---|---|
| Raspberry Pi 5 B 8GB x 4 | $538.00 | | |
| Raspberry Pi 5 Power Supply x 4 | $82.60 | | |
| Raspberry Pi 5 Official Case x 2 | $34.42 | | |
| Argon NEO 5 Raspberry Pi Case x 2 | $69.90 | | |
| Raspberry Pi Active Cooler x 4 | $34.44 | | |
| Raspberry Pi Keyboard | $32.00 | | |
| Raspberry Pi Mouse | $18.00 | | |
| 512GB SanDisk SD Card x 4 | $323.96 | | |
| Micro HDMI Cable x 2 | $15.10 | | |
| Wireless Network Adapter x 2 | $93.60 | | |
| USB to Ethernet Adapter x 2 | $39.98 | | |
| External Storage 5TB | $189.00 | | |
| Lan Cables x 5 | $14.99 | | |
| Total | $1,485.99 | | |

### 2.2.2. Hardware Maintenance and Replacement Costs

| Item | Estimated Cost | Actual Cost | Variance |
|---|---|---|---|
| Maintenance | $200.00 | | |
| Total | $200.00 | | |

| Total Hardware Costs | $1,685.99 | | |
|---|---|---|---|

## 2.3. Software Costs

Software costs are kept to a minimum by using free software or software that is already used by the business.

| Item | Estimated Cost / Month | Estimated Cost Over Project Lifetime | Actual Cost | Variance |
|---|---|---|---|---|
| Cloud Web Server (Google Cloud) | $15.00 | $30.00 | | |
| SIEM System Web Hosting | $15.00 | $15.00 | | |
| Total | $30.00 | $45.00 | | |

## 2.4. Facility Costs

| Item | Estimated Cost / Month | Estimated Cost Over Project Lifetime | Actual Cost | Variance |
|---|---|---|---|---|
| Static IP Hire | $10.00 | $40.00 | | |
| Total | $10.00 | $40.00 | | |

## 2.5. Miscellaneous Costs

| Item | Estimated Cost / Month | Estimated Cost Over Project Lifetime | Actual Cost | Variance |
|---|---|---|---|---|
| Contingency Fund | $0.00 | $500.00 | | |
| Office Supplies | $20.00 | $80.00 | | |
| Total | $20.00 | $580.00 | | |

# 3. Total Budget Summary

| Category | Estimated Cost | Actual Cost | Variance |
|---|---|---|---|
| Personnel Costs | $0.00 | | |
| Hardware Costs | $1,685.99 | | |
| Software Costs | $45.00 | | |
| Facility Costs | $40.00 | | |
| Misc. Costs | $580.00 | | |
| **Total Project Budget** | **$2,350.99** | | |

# 4. Budget Tracking and Updates

## 4.1. Tracking Mechanisms

- The Project Manager will track the budget using Microsoft ToDo for task tracking and a spreadsheet for detailed cost tracking.
- Weekly budget updates will be shared with key stakeholders during status meeting, ensuring that spending remains aligned with the estimated budget.

## 4.2. Update Frequency

- The budget will be reviewed and updated weekly. Any significant variances will be flagged, and adjustments will be made as necessary to keep the price on track.
- Budget updates will be provided during weekly emails to various stakeholders.

# 5. Risk Management

The following risks might affect the budget of Project: METAL SNAKE:

| Risk ID | Description | Impact | Mitigation Strategies |
|---|---|---|---|
| RSK-002 | Data protection issues resulting in legal penalties and reputational damage | Medium | **Avoidance:** Implementation of firewalls and other preventative measures. **Mitigation:** Strong security practices. Implementation of SIEM for security monitoring. |
| RSK-003 | Budget overrun | Medium | **Avoidance:** Thorough budget planning and costing of required equipment. **Mitigation:** Contingency fund. |
| RSK-005 | System failures in hardware and software | Medium | **Avoidance:** Good software implementation practices. Thorough documentation. **Mitigation:** Contingency budget for replacing hardware and software. |
| RSK-006 | Cost fluctuations (e.g. cloud hosting) | Medium | **Mitigation:** Maintain relationships with different vendors. Train in various cloud platforms. |
| RSK-008 | Failure to comply with regulations | High | **Avoidance:** Compliance with regulations and regular consultations with a lawyer. **Mitigation:** Staff training in regulatory compliance. |
| RSK-009 | Market competition | High | **Mitigation:** Maintain competitive prices and excellent customer service. Implement customer feedback systems such as surveys. **Exploitation:** Market analysis research to inform improvements on offerings, systems, and technology. |
| RSK-011 | Exchange rate fluctuations impacting costs | Medium | **Acceptance:** The organization cannot change or affect exchange rate fluctuations. **Mitigation:** Contingency fund. |
| RSK-014 | Cost estimation errors resulting in financial discrepancies | Medium | **Avoidance:** Use best practices for cost estimation. **Mitigation:** Thorough ongoing research into and monitoring of costs. **Acceptance:** Draw on contingency budget. |
| RSK-015 | Process inefficiencies resulting in wasted resources or time | High | **Mitigation:** Continued research into project management and business process efficiency. **Acceptance:** Contingency budget. **Exploitation:** Document all business processes and attempts to improve process efficiencies. |

| RSK-018 | Unexpected tax liabilities | High | **Avoidance:** Store a percentage of profits for tax. **Exploitation:** Document tax liabilities as lessons learned. **Mitigation:** Consult regularly with an accountant. |
|---|---|---|---|
| RSK-019 | Infringement of intellectual property | Medium | **Avoidance:** Awareness of intellectual property law. Avoidance of using copyrighted material. **Mitigation:** Regular consultation with a lawyer. Staff training on compliance with intellectual property law. |
| RSK-020 | Global economic conditions affecting financial viability or supply chains | High | **Acceptance:** Global economic changes are not within the organization's control. **Exploitation:** Procure equipment early to gain a competitive advantage over less well-equipped competitors. **Mitigation:** Procure equipment early to avoid disruption in supply chains. |
| RSK-026 | Project requires unanticipated software | Medium | **Acceptance:** Tap contingency budget to buy the required technology. **Mitigation:** Thorough project planning, research, and procurement of necessary inventory. |
| RSK-029 | Miscommunication of information leads to impact on project resources, scope, schedule, budget, or risks | Medium | **Mitigation:** A clear communications plan with policies and procedure for communicating with all stakeholders involved with the project. |
| RSK-030 | Licensing issues with software | Medium | **Mitigation:** Research multiple software solutions for each software component of the project. |
| RSK-032 | Disruptions in cloud service affect project progress | Medium | **Mitigation:** Maintain awareness and training in various cloud platforms to diversify options. |
| RSK-033 | Power outages affect project progress | Medium | **Mitigation:** Invest in a UPS power supply. |
| RSK-034 | Network disruptions (e.g. residential Internet outages) affect project progress | Medium | **Mitigation:** Obtain authorization to deal with Telstra, to facilitate troubleshooting of external network problems. |
| RSK-035 | Scope creep introducing new features to the project increasing costs beyond the allocated budget. | Medium | **Mitigation:** The project scope will be tightly managed to prevent scope creep, with any changes requiring formal approval through the change management plan. |

# 6. Approval and Sign-Off

The following stakeholders have reviewed and approved the Project Budget for [Project Name]:

**Project Manager:**

Brendan Gasparin

X _____

(Signature)

X _____

(Date)

**Premises Owner:**

██████████

X _____

(Signature)

X _____

(Date)

**Premises Owner:**

██████████

X _____

(Signature)

X _____

(Date)