Project: METAL SNAKE

Project Schedule

Project Sponsor: Brendan Gasparin

Project Manager: Brendan Gasparin

Date of Project Approval: 14/08/2024

Commencement Date: 29/07/2024

Estimated Completion Date: 24/11/2024

Estimated Project Duration: 17 Weeks

Version: 1.3 (2024-08-23)

1. Executive Summary

1.1 Purpose

The Project Schedule will be used to guide the timing and execution of Project: METAL SNAKE, as well as the sequencing of phases, subphases, and tasks.

This schedule ensures that the project remains on track to achieve its goal of building a secure, cost-effective on-premises cybersecurity lab with web hosting capabilities, and supporting infrastructure.

1.2. Overview

Project: METAL SNAKE consists of six major phases: Initiation, Planning and Design, Execution, Testing, Deployment, and Closure and Maintenance.

Key milestones include:

- Project Approval
- Design Completion
- On-Premises Server Installation
- Cloud Server Installation
- System Testing Completion
- System Deployment
- Final Project Sign-Off

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2. Project Timeline Overview

2.1. High-Level Phases

Phase	Start Date	End Date
Initiation	29/07/2024	11/08/2024
Planning and Design	12/08/2024	01/09/2024
Execution	02/09/2024	27/10/2024
Testing	28/10/2024	03/11/2024
Deployment	04/11/2024	10/11/2024
Closure and Maintenance	11/11/2024	24/11/2024

2.2. Key Milestones

Milestone	Target Completion Date
Project Approval	11/08/2024
Design Completion	01/09/2024
Project Kick-Off	02/09/2024
On-Premises Server Installation	08/09/2024
Cloud Web Server Installation	15/09/2024
System Testing Completion	03/11/2024
System Deployment	10/11/2024
Final Project Sign-Off	24/11/2024

3. Detailed Schedule

Phase/Subphase	Start Date	End Date	Deliverables
1. Initiation	29/07/2024	11/08/2024	Preliminary Schedule Business Case Stakeholder Register Project Charter Project Manager Assignment Scope Statement Initial Risk Register High-Level Project Plan
2. Planning and Design: Subphase 1: Planning	12/08/2024	25/08/2024	Scope Statement (2.0) Work Breakdown Structure (WBS) Project Schedule Requirements Document Resource Plan Project Budget Risk Management Plan Quality Management Plan Change Management Plan Communications Management Plan Technical Specification Document Project Plan Introductory Video
2. Planning and Design: Subphase 1: Planning	19/08/2024	19/08/2024	Work Breakdown Schedule (WBS) Project Schedule
2. Planning and Design: Subphase 1: Planning	20/08/2024	20/08/2024	Scope Statement (revised)
2. Planning and Design: Subphase 1: Planning	21/08/2024	21/08/2024	N/A
2. Planning and Design: Subphase 1: Planning	22/08/2024	22/08/2024	Communication Plan Change Management Plan Project Schedule
2. Planning and Design: Subphase 1: Planning	23/08/2024	23/08/2024	Requirements Document Resource Plan Project Budget
2. Planning and Design: Subphase 1: Planning	24/08/2024	24/08/2024	Cost Management Plan Risk Management Plan Quality Management Plan
2. Planning and Design: Subphase 1: Planning	25/08/2024	25/08/2024	Project Plan Introductory Video
2. Planning and Design: Subphase 2: Design	26/08/2024	01/09/2024	Technical Specification Document System Architecture Document Requirements Specification Document Data Model and Database Design Document Interface Design Document Security Design Document Network Design Document
2. Planning and Design: Subphase 2: Design	26/08/2024	26/08/2024	System Architecture Document

2. Planning and Design: Subphase 2: Design	26/08/2024	26/08/2024	Requirements Specification Document
2. Planning and Design: Subphase 2: Design	27/08/2024	27/08/2024	Data Model and Database Design Document
2. Planning and Design: Subphase 2: Design	28/08/2024	28/08/2024	Interface Design Document
2. Planning and Design: Subphase 2: Design	29/08/2024	29/08/2024	Security Design Document
2. Planning and Design: Subphase 2: Design	30/08/2024	30/08/2024	Network Design Document
2. Planning and Design: Subphase 2: Design	31/08/2024	31/08/2024	Finalize Phase 2 Subphase 2
2. Planning and Design: Subphase 2: Design	01/09/2024	01/09/2024	N/A
3. Execution: Subphase 1: Raspberry Pi Server	02/09/2024	08/09/2024	Server Technical Documentation Raspberry Pi Server Server Operating Manual Initiation Phase Video Planning and Design Video
3. Execution: Subphase 2: Cloud Server	09/09/2024	15/09/2024	Cloud Server Technical Documentation Cloud Server Cloud Server Operating Manual Raspberry Pi Server Video Google Cloud Server Video
3. Execution: Subphase 3: Raspberry Pi Firewall	16/09/2024	22/09/2024	Firewall Technical Documentation Raspberry Pi Firewall Firewall Operating Manual Raspberry Pi Firewall Video
3. Execution: Subphase 4: Raspberry Pi Router	23/09/2024	29/09/2024	Router Technical Documentation Raspberry Pi Router Router Operating Manual Raspberry Pi Router Video
3. Execution: Subphase 5: Raspberry Pi Wireless Access Point	30/09/2024	06/10/2024	WAP Technical Documentation Raspberry Pi WAP WAP Operating Manual Raspberry Pi WAP Video
3. Execution: Subphase 6: System Integration and LAN Installation (SILI)	07/10/2024	13/10/2024	System Technical Documentation LAN Setup System Operating Manual Raspberry Pi LAN Installation Video
3. Execution: Subphase 7: SIEM System	14/10/2024	20/10/2024	SIEM Technical Documentation SIEM System SIEM Operating Manual SIEM System Video
3. Execution: Subphase 8: Mautic Email Automation	21/10/2024	27/10/2024	Mautic Technical Documentation Mautic Installation Mautic Operating Manual Mautic Email Automation Video
4. Testing	28/10/2024	03/11/2024	Testing Plan Defect Log Test Summary Reports

			Project: METAL SNAKE Testing Video
5. Deployment	04/11/2024	10/11/2024	Deployment Plan Deployment Report Project: METAL SNAKE Deployment Video
6. Closure and Maintenance	11/11/2024	24/11/2024	After-Action Review/Post-Mortem Report Closure and Maintenance Video

4. Resource Allocation

4.1. Resource Assignments

[Provide a list of team members or departments responsible for completing each task.]

At the present time, one person is fulfilling the role of Project Sponsor, Project Manager, It Team, Security Team, and Operations Team. The resource assignments will nevertheless be presented with assignments for these different team members in the case that the organization expands.

- The Project Manager will oversee all phases.
- The IT Team will handle the installation, configuration, and testing of all on-premises and cloud-based infrastructure.
- The Security Team will manage security configurations, security testing, and integration with the SIEM system.
- The Project Sponsor will provide oversight and approve critical deliverables.
- The Operations Team will be involved during the closure and maintenance phase for handover and ongoing support.

4.2. Resource Schedule

Resources will be allocated according to the schedule, ensuring that personnel are available when needed for each task. Any resource constraints or conflicts will be addressed by the Project Manager.

5. Project Tracking and Updates

5.1. Status Reports

Weekly status reports will be provided to the Project Sponsor and key stakeholders, summarizing progress, issues, and upcoming tasks. These reports will be shared every Friday.

5.2. Change Management Process

Any changes to the project schedule, scope, or budget will be managed through the Change Management Plan. The Project Manager will assess the impact of proposed changes and obtain necessary approvals before implementation.