



Timeline of implantation for Balerica Inc’s new network architecture.

6 phases in the Software Development Life Cycle

Each sprint takes 4-8 weeks.

Complexity and scope of project requires a 9 month minimum to complete.

1 Month for each phase: 9 month window

- 1- Planning Phase: 4 week
- 2- Requirement Analysis Phase: 4 weeks
- 3- Designing Phase: 8 weeks
- 4- Implementation Phase: 4 weeks
- 5- Testing Phase: 8 weeks
- 6- Deployment & Maintenance Phase: 8 weeks
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- Total: 9 Months

1- Planning Phase: 4 Weeks

- Understand the scope and feasibility of the new network topology for Balerica Inc.
- Identify the resources needed, establish timeline for each phase, assess potential risks during the phases.
- Establish a clear direction for the project from start to finish.
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- Initiating the production with the planning requirement phase, where the client and the development team will discuss the basic requirements of the software.
 - The purpose of the application.
 - The details about the end-user of the product.
 - Key elements for design.
 - Overall user interfaces of the design software.

2- Requirement Analysis Phase: 4 weeks

- Gather detailed information about each element of the software prioritizing features and functionality.
- Outline everything that the software needs to accomplish into the Software Requirements Specification document (SRS).
- Validating the installation according to client requirements.
- Calibrating the security protocols and risk analysis.
- Detail filed into the software requirements specification (SRS) document for ease of access regarding standard operation procedures.

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3- Designing Phase: 8 weeks

- Devise the software system design following the detailed specifications outlined in the Software Requirements Specification document (SRS).
- Decide upon the technology stack, databases, user interfaces,while maintaining feasibility and compliance with Balerica Inc requirements.
- Establish the security protocols in accordance with risk analysis.
- All the details of the design phase are added to the Design Document Specification (DDS) for easy reference and shared with Baleric Inc. management and stakeholders for review.

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4- Implementation Phase: 4 weeks

- Developers write the code for the infrastructure of Balerica Inc.
- Focusing on the implantation of the software product for day-to-day operations.
- Utilizes compilers and debuggers when necessary.

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5- Testing Phase: 8 weeks

- The developed software is deployed in multiple testing environments located in each regional of Balerica Inc checking the functionality of the network architecture.
- The QA and testing team may find bugs or errors in the software which are forwarded to the development team for debugging.
- This continues until the software is stable and work per the required specifications.

6- Deployment & Maintenance Phase: 8 weeks

- The development team will setup the application installation links for the internal users and consumer use.
- After the deployment is completed and users use the application there may be additional errors or encounter bugs.
- Debugging is done on a regular basis. In addition regular updates with have to be incorporated for better performance

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