

Table of Contents

- Technical Reference Model Template** 3
- Technical Reference Model (TRM) Template** 4
 - 1. Introduction** 4
 - 1.1 Purpose 4
 - 1.2 Scope 4
 - 2. Overview** 4
 - 2.1 Architecture Framework 4
 - 2.2 Context 5
 - 3. Model Components** 5
 - 3.1 Layered Architecture 5
 - 3.2 Services 5
 - 3.3 Standards and Compliance 5
 - 4. Technology Portfolio** 5
 - 4.1 Current Technologies 6
 - 4.2 Evaluated Technologies 6
 - 4.3 Sunset Technologies 6
 - 5. Governance** 6
 - 5.1 Maintenance and Review Process 6
 - 5.2 Roles and Responsibilities 6
 - 6. References** 6
 - 6.1 Related Documents 6
 - 6.2 Glossary 6
 - 7. Appendices** 6
 - 7.1 Appendix A: Diagrams 6
 - 7.2 Appendix B: Additional Notes 6

Technical Reference Model Template

What is Technical Reference Model Template?

A Technical Reference Model (TRM) Template serves as a standardized framework that outlines the various components and services within an enterprise's technology landscape. It provides a structured way to categorize and define the technology elements, relationships, and protocols used in the architecture, enabling consistency and clarity in communication among stakeholders. As an Enterprise Solution Architect or Architecture Project Manager adopting best practices like TOGAF, utilizing a TRM template helps streamline the architectural process by establishing a common vocabulary, facilitating better alignment between business and IT objectives, and ensuring that technology choices are made with a holistic view of the enterprise's architecture. This ultimately fosters scalability, interoperability, and the smooth integration of new technology solutions within the enterprise ecosystem.

template

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AI Prompt: Technical Reference Model Template

Imagine a seasoned [Enterprise Architect] who specializes in [TOGAF] and [Architecture Project Management], seeking to create a robust framework for their team's upcoming project. They request a detailed overview of a [Technical Reference Model Template], aiming to establish a common language and framework for analyzing and designing technology solutions. The architect looks for examples of existing templates used in various industries, highlighting their strengths and weaknesses, while also considering how the template can be adjusted to fit specific organizational needs and compliance requirements. Ultimately, they desire a comprehensive, easy-to-follow guide that includes insights on best practices, potential pitfalls, and illustrative use cases, making it an invaluable resource for both new and experienced architects. To enhance engagement, the response should incorporate storytelling elements that emphasize the importance of a well-structured technical reference model in driving successful projects.

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Technical Reference Model (TRM) Template

1. Introduction

1.1 Purpose

Briefly describe the purpose of the Technical Reference Model.

1.2 Scope

Define the scope of the model including what systems, processes, and technologies are covered.

2. Overview

2.1 Architecture Framework

Describe the architecture framework being used (e.g., TOGAF, Zachman, etc.).

2.2 Context

Provide context about the organizational environment and how this TRM fits into the overall enterprise architecture.

3. Model Components

3.1 Layered Architecture

Define the primary layers of the architecture, e.g.:

- **Presentation Layer**
- **Application Layer**
- **Data Layer**
- **Infrastructure Layer**

3.1.1 Presentation Layer

- **Description:**
- **Technologies:**
- **Standards:**

3.1.2 Application Layer

- **Description:**
- **Technologies:**
- **Standards:**

3.1.3 Data Layer

- **Description:**
- **Technologies:**
- **Standards:**

3.1.4 Infrastructure Layer

- **Description:**
- **Technologies:**
- **Standards:**

3.2 Services

List and describe major services offered by each layer.

3.3 Standards and Compliance

Detail the standards and compliance requirements associated with each layer and service.

4. Technology Portfolio

4.1 Current Technologies

A list of technologies currently in use, categorized by layer.

4.2 Evaluated Technologies

Technologies that have been evaluated for use in future projects.

4.3 Sunset Technologies

List technologies that are deprecated or scheduled for retirement.

5. Governance

5.1 Maintenance and Review Process

Outline the process for maintaining and reviewing the TRM.

5.2 Roles and Responsibilities

Define the roles responsible for governance, maintenance, and compliance of the TRM.

6. References

6.1 Related Documents

List any related documents or sources that provide additional context or information.

6.2 Glossary

Provide a glossary of terms used in the TRM to aid understanding.

7. Appendices

7.1 Appendix A: Diagrams

Include relevant architecture diagrams to visually represent the TRM.

7.2 Appendix B: Additional Notes

Any additional notes or considerations pertinent to the TRM.



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