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Architecture Templates

Configuration Management Database (CMDB) Template

What is Configuration Management Database (CMDB) Template?

A Configuration Management Database (CMDB) Template serves as a structured framework that organizations use to manage and maintain their configuration items (CIs), which include components such as hardware, software, documentation, and services, critical to the enterprise architecture. In the context of best practices outlined in frameworks like TOGAF, the CMDB Template helps to standardize the collection, storage, and retrieval of information related to these CIs, ensuring consistency, accuracy, and traceability throughout the lifecycle of enterprise systems. This template not only facilitates the implementation of ITIL practices by supporting effective change management, incident resolution, and impact analysis but also aids architects in aligning technology with business goals and ensuring that architectural decisions are based on comprehensive and reliable data. By leveraging a CMDB Template, organizations enhance their ability to manage complexity, mitigate risks, and improve service delivery within their enterprise architecture.

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AI Prompt: Configuration Management Database (CMDB) Template
Imagine you're a visionary [Enterprise Architect] tasked with streamlining your organization's IT assets and services. What if you could create an essential [Configuration Management Database (CMDB) Template] that not only tracks these assets but also enhances collaboration and decision-making? Your request is to design an intuitive template that includes [key elements like CI (Configuration Item) classifications, relationships, attributes, and lifecycle statuses]. Consider examples from successful enterprises that have implemented effective CMDBs, highlighting how they identified critical CI relationships and ensured data accuracy. As you develop the template, think about adjustments needed to accommodate different organizational sizes and structures, ensuring it remains flexible yet robust. The output you're aiming for is a detailed, user-friendly [CMDB Template] that can serve as a foundational tool for IT Service Management (ITSM) practices, enriched with best practices and tips to foster adoption across teams. Additionally, include a section on [common pitfalls to avoid] when implementing the CMDB, ensuring your stakeholders are well-equipped for success.
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Configuration Management Database (CMDB) Template

1. Overview

This document provides a template for a Configuration Management Database (CMDB) that organizes configuration items (CIs) and their relationships in the context of Enterprise Architecture.

2. CI Classification

Application	Software applications and services
Hardware	Physical devices and infrastructure
Network	Network components and configurations
Documentation	Related documents and manuals
User	End users and user groups
Service	IT services provided to the customer

3. Configuration Item (CI) Template

CI Metadata

CI ID	Unique identifier for the CI
CI Name	Name of the configuration item
CI Type	Type of the CI (e.g., Application, Hardware)
Status	Current status (Active, Inactive, Under Maintenance)
Owner	Person or team responsible for the CI
Creation Date	Date the CI was created
Last Updated Date	Date the CI was last updated
Version	Current version of the CI

CI Attributes

Description	Detailed description of the CI
Manufacturer	Manufacturer of the hardware or software
Model	Model number or name of the CI (if applicable)
Serial Number	Serial number (for hardware)
IP Address	IP address (for networked CIs)
Operating System	Operating system (for software applications)
License Information	Licensing details (if applicable)
Related CIs	IDs of related configuration items
Dependencies	Dependencies on other CIs
Service Level Agreement (SLA)	SLAs applicable to the CI

CI Relationship Table

Depends on	CI_A	CI_B	CI_A depends on CI_B
Provides	CI_B	CI_A	CI_B provides services to CI_A
Hosts	CI_C	CI_A	CI_C hosts CI_A
Part of	CI_D	CI_E	CI_D is part of CI_E

4. Change Management

CHG-001	Upgrade Application X to version 2.0	Planned	High
CHG-002	Replace Hardware Y due to failure	Open	Medium

5. Access Control

Administrator	Full access to all CIs
IT Support	Read and update access to Hardware and Network CIs
Application Owner	Read and update access to their specific Applications

6. Audit Trail

2023-01-15	CI_A Updated status to Under Maintenance	user@example.com
2023-05-22	CI_B Added related CI ID CI_X	user@example.com

7. Reporting

CI Summary Report

- Total CIs: XX
- Active CIs: XX
- Inactive CIs: XX
- CIs under Maintenance: XX

Change Requests Summary

- Total Change Requests: XX
- Open Requests: XX
- Closed Requests: XX

8. Review and Maintenance

- Frequency of review (e.g., quarterly, annually)
- Responsible parties for review

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