

A Lightweight and Adaptive Logging Architecture



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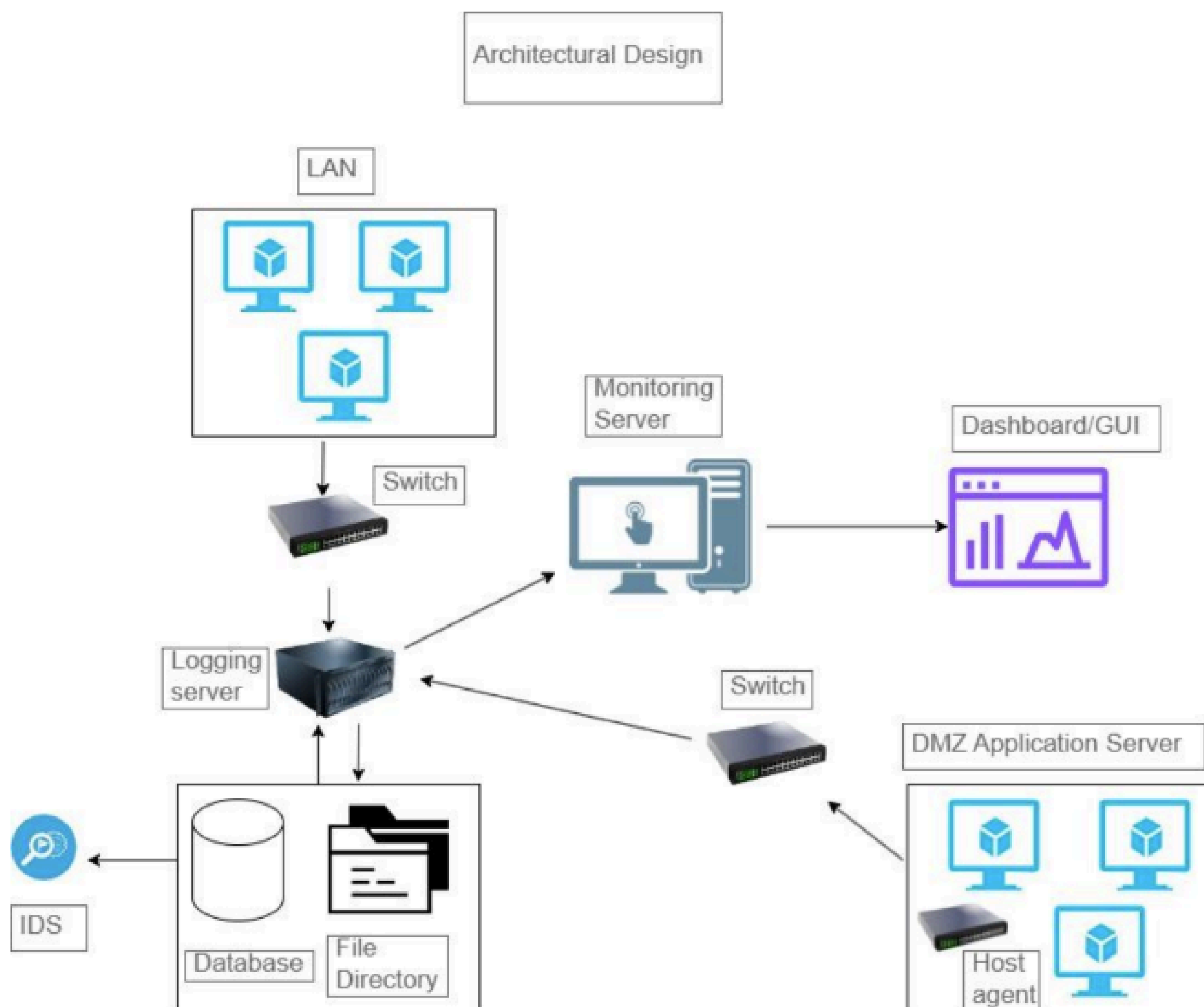
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Abstract

Traditional logging systems are vulnerable to security threats, inconsistent formats, costly storage costs, and the destruction of crucial information.

This project introduces a centralized, lightweight logging system that structures logs, filters key attributes, and integrates with an IDS for real-time threat detection. For organizations of all sizes, it presents an effective, scalable solution that minimizes complexity and strengthens security.



Key Features

- Our system is integrated with an Intrusion Detection System(IDS) for enhanced monitoring.
- Logs are structured and filtered, to store only efficient attributes.
- Central server to store logs from different sources for unified and real-time analysis.

Project Goals

- Develop a scalable and lightweight centralized logging system for real time tracking.
- Design a flexible data model that simplifies log management across multiple organizational needs.
- Support security teams with a user-friendly interface and tools to detect threats efficiently.