

13.1-Architecture-Document

Introduction to Architecture Document

- Cornerstone of Application Development
- No Development before Document
- Document fully Grasped

Goal of the Document

- 1st Time
  - Requirements are expressed in writing
  - Customer is able to see it formally
- Opportunity to validate the requirement

Audience

- CTO
- CEO
- Developer
- QA
- Manager
- Stakeholders

Content of the Document

- UML
  - Avoid
  - Audience not familiar
  - Requires time to explain
  - Requires time to create
- Simple English
- Tools
  - Word
  - PPTs

Document Structure

- Background
- Requirements
- Executive Summary
- Architecture Overview
- Components Drill-Down

Background & Overview Section

- One Page Max
- Target Audience
  - Team
  - Management
  - Stakeholders
- Describe System
  - Briefly
  - Business Point of View
  - Main Role of the System
    - Eg. Replacing Old System
    - Managing HR in Org
    - Reason to replace
      - Lot of Maintenance
      - Old Technology
      - Increase Productivity
- Plain English
  - No Technical Jargons
  - No Architecture

Requirements Section

- One Page Max
- Target Audience
  - Team
  - Management
  - Stakeholders
- Structure
  - Functional
    - Bulleted List
  - NFR
    - Accurate
    - Specific
    - Only Source of Truth
    - Bulleted List

Executive Summary Section

- Target Audience
  - CEO
  - CTO
  - Managers
  - Non-Technical
- Very High Level
- Goal
  - Provide high-level view of Architecture
  - Boost confidence in your work
- Tips
  - Use Charts and Diagrams
  - Write AFTER rest of the document
  - Avoid technical jargons - DI

Architecture Overview Section

- General Description
  - Type
    - Web-Based
    - Micro Services
    - REST API
    - NFRs 50 Req / Sec
- High Level Diagram
- Diagram Walkthrough

Components' Drill Down Section