Software configuration and maintenance documentation [Mandatory]

Software maintenance and configuration document is a document that provides key information required to effectively maintain the software. It includes the configurations required for the software including security settings, installation instructions, version control management and change management controls. It captures the following:

- **System Overview:** A high-level description of the software system, including its purpose, functionality, and architecture.
- Configuration Items: A list of all the software components or items that need to be configured, such as modules, libraries, databases, and external dependencies.
- **Configuration Management Plan:** Procedures and guidelines for managing changes to the software configuration throughout the development lifecycle, including version control, release management, and change control processes.
- **Configuration Settings:** Detailed specifications for each configuration item, including parameters, options, default values, and any dependencies or constraints.
- **Installation Instructions:** Step-by-step instructions for installing and configuring the software system on different platforms or environments.
- **Integration and Interoperability:** Information on how the software system interacts with other systems, including APIs, protocols, data formats, and integration points.
- **Performance and Scalability:** Guidelines and recommendations for optimizing the performance and scalability of the software system through configuration settings and tuning parameters.
- **Security Considerations:** Requirements and best practices for securing the software system, including authentication, authorization, encryption, and data protection measures.
- **Testing and Validation:** Procedures and criteria for testing and validating the configuration settings to ensure that the software system meets its functional and non-functional requirements.
- **Documentation and Support:** References to additional documentation, support resources, and contacts for assistance with configuring and using the software system.

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