System configuration

**Low Level Design Document**

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# Introduction

* Purpose Of the Document

This document serves as a detailed guide for the development team to implement the low-level design of the System Configuration of AMF. It outlines the specific components, data flow, algorithms, and interfaces required to realize the functionality of managing System Configuation within the system.

* Scope

The scope of this LLD document is focused on providing a detailed design for the System Configuration module of AMF. It encompasses the following aspects:

* Module Overview
* Architectural Diagram
* Data Structure
* Algorithms and Logic
* Interfaces
* Error Handling
* Performance Considerations
* Security Considerations
* Testing Strategy
* Dependencies
* Configuration Management
* Documentation References
* Revision History

# Module Overview

The System Configuration module defines the different Entities and Configurations that determines how the system is structured and how the system behaves.

The Entities in the AMF System are:

* **Application:** The different applications available in the System
* **Module:** The different modules available in an application
* **Action:** The different actions available in a module
* **Member:** A Member is an organization or an individual who manages its information in one or more Applications in the System.
* **Action Group:** Action Groups are logical grouping of actions that standardizes and facilitates the assignment of multiple actions to members.

The different behaviours of the AMF system are:

* + **System Mode**: The System Mode determines whether the system is
    - Stand Alone System
    - SaaS system.
  + **Multi Action Group:** The Multi Action Group behaviour determines whether a Member can be assigned multiple Action Groups or must be restricted to only one Action Group.

# Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
|  |  |
| **Action** | An action is the defined piece of task that can be can be performed in a module. |
| **Application** | An Application is a logical group of Modules that enables management of information of specific nature |
| **Member** | A Member is an organization or an individual who manages its information in one or more Applications in the system. |
| **Module** | A Module is an independent component that can be easily integrated into an application of the system.  A module specifies a set of functions which can be performed on a specific set of information. |
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