**Overall System Architecture Diagram**

**Purpose**: Illustrates the high-level structure of the IHOMS, showing how key modules interact, the flow of data, and integration with third-party systems.

**Contents**:

* **Modules**: Beneficiary Management, Supply Chain & Logistics, Field Operations, Donor Reporting, Case Management, User Management.
* **Integration Points**: ERP Systems (e.g., SAP), CRM tools (e.g., Salesforce for donors), Government Databases, NGO Portals, GIS mapping services.
* **Middleware**: API Gateway, Message Broker (e.g., RabbitMQ), ESB (Enterprise Service Bus).
* **Data Layer**: Relational Database (e.g., PostgreSQL), Data Warehouse (e.g., BigQuery), Cache (e.g., Redis), File Storage (e.g., S3).
* **Access Channels**: Web Portal, Mobile App (Android), Field Tablets, SMS/USSD Gateway.
* **Security Layer**: Authentication Server, Firewall, Data Encryption Services.
* **SMS/USSD**: Integration with Twilio or local gateways for alerts