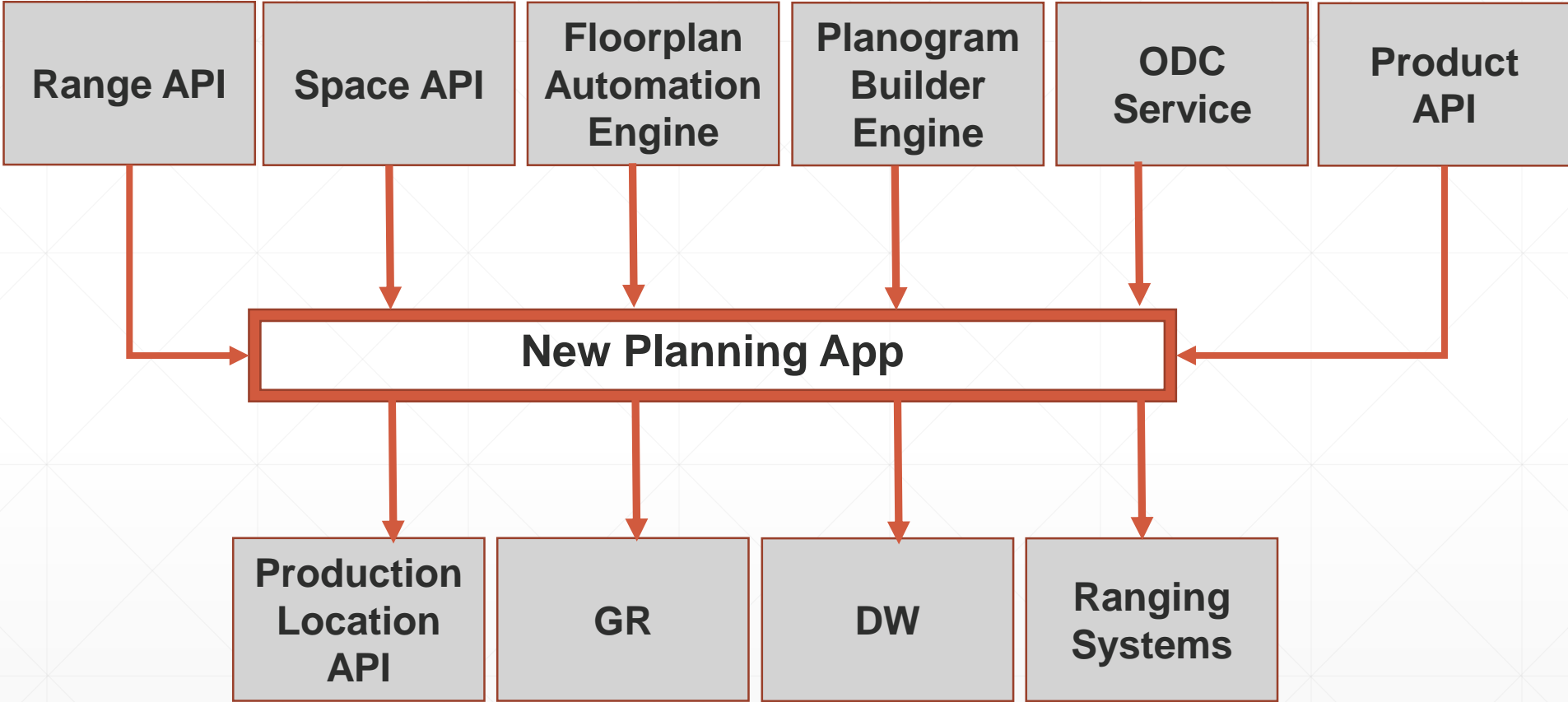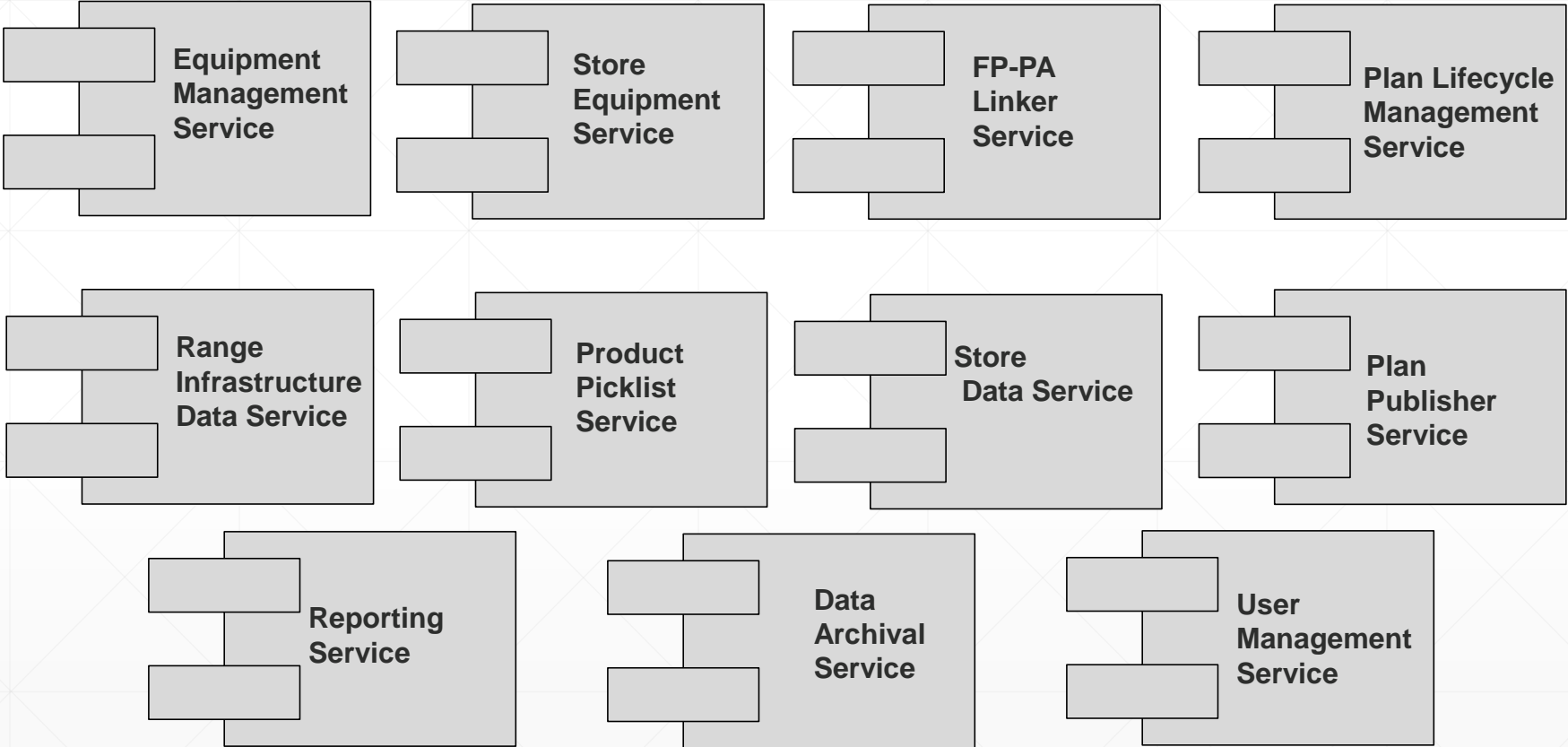# API Design -Planning UI

Content

- **System Landscape**

- **Service Design**

- **Cutover Approach**

System Landscape for the New App

Service Design for New App

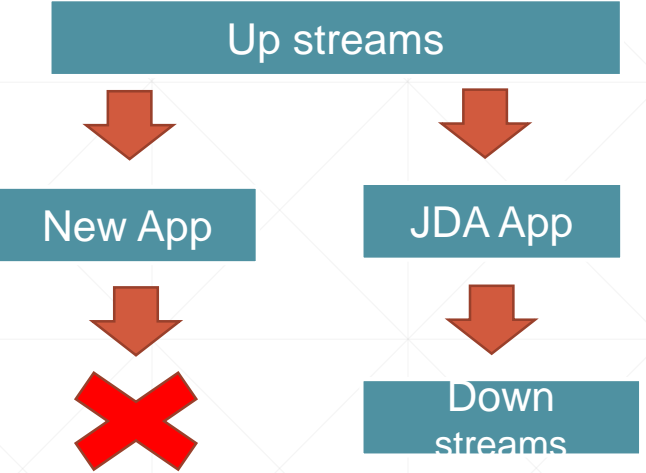**New Planning UI**

| Equipment Management Service | Store Equipment Service | FP-PA Linker Service | Plan Lifecycle Management Service |

| Range Infrastructure Data Service | Product Picklist Service | Store Data Service | Plan Publisher Service |

| Reporting Service | Data Archival Service | User Management Service |

API Gateway

Cutover Approach

STAGE 1

Up streams

New App → ❌

JDA App → Down streams

STAGE 3

Up streams → New App → Down streams

STAGE 2

Up streams

Partial Plans → New App

Partial Plans → JDA App

New App → Data Merge Components

JDA App → Data Merge Components

Data Merge Components → Down streams
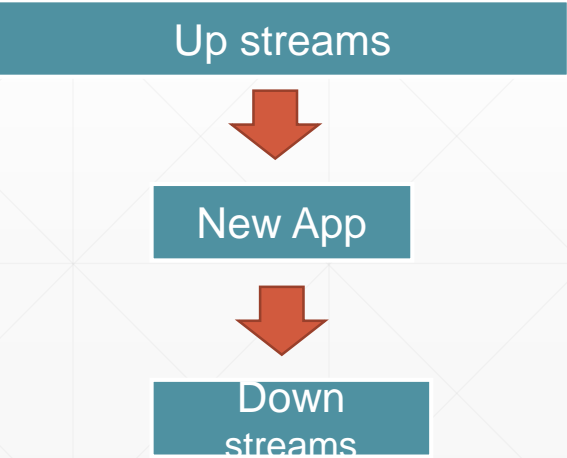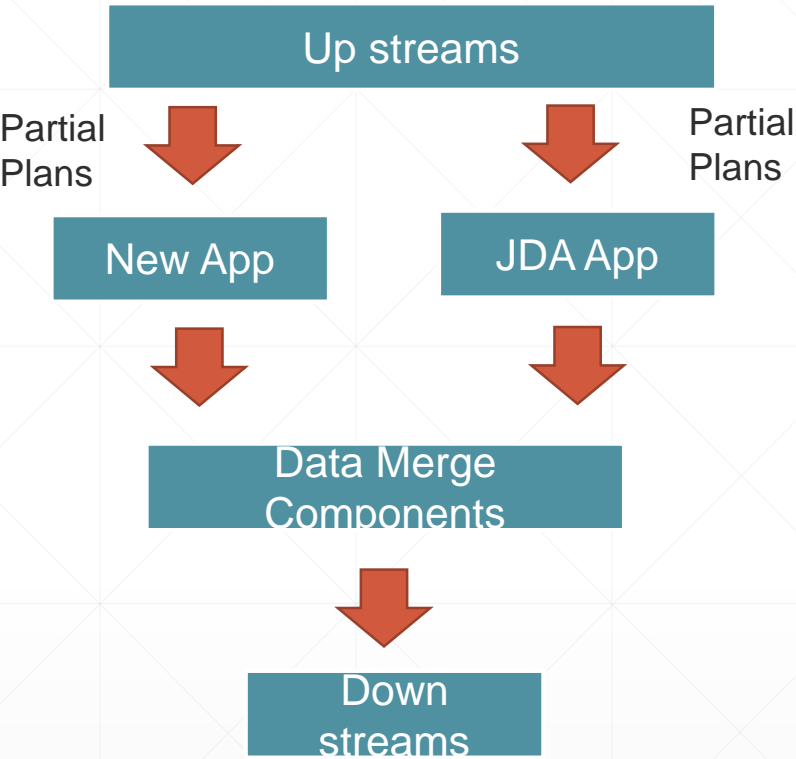
Key Cutover Considerations

- **Need to ensure Planogram Builder supports both template and SSPOGs**

- **Need to ensure Planogram Builder supports both Major and Minor ranging events**

- **Need to ensure Floor plan automation engine supports both regular and essential space changes**

- **Cutover activities should be harmonized with ranging events**

- **Data migration scripts to be built to capture historic ranging events and plans**

Key Cutover Considerations

- **Need to build Data transformation components to consolidate outbound interfaces to avoid disruption to down streams during cutover**

- **Need Data anti corruption layers to prevent planning from both systems for same events**

- **Translation components for floor plans across both new and old systems need to be built as they would exist is both systems during planogram cutover**