



Integration Roadmap

Integration is the successful communication between data, applications, processes, people and enterprises

The collection of interfaces and middleware components that support the **data movement** and **process interactions** between systems in an application portfolio are called *integration systems*

Mission

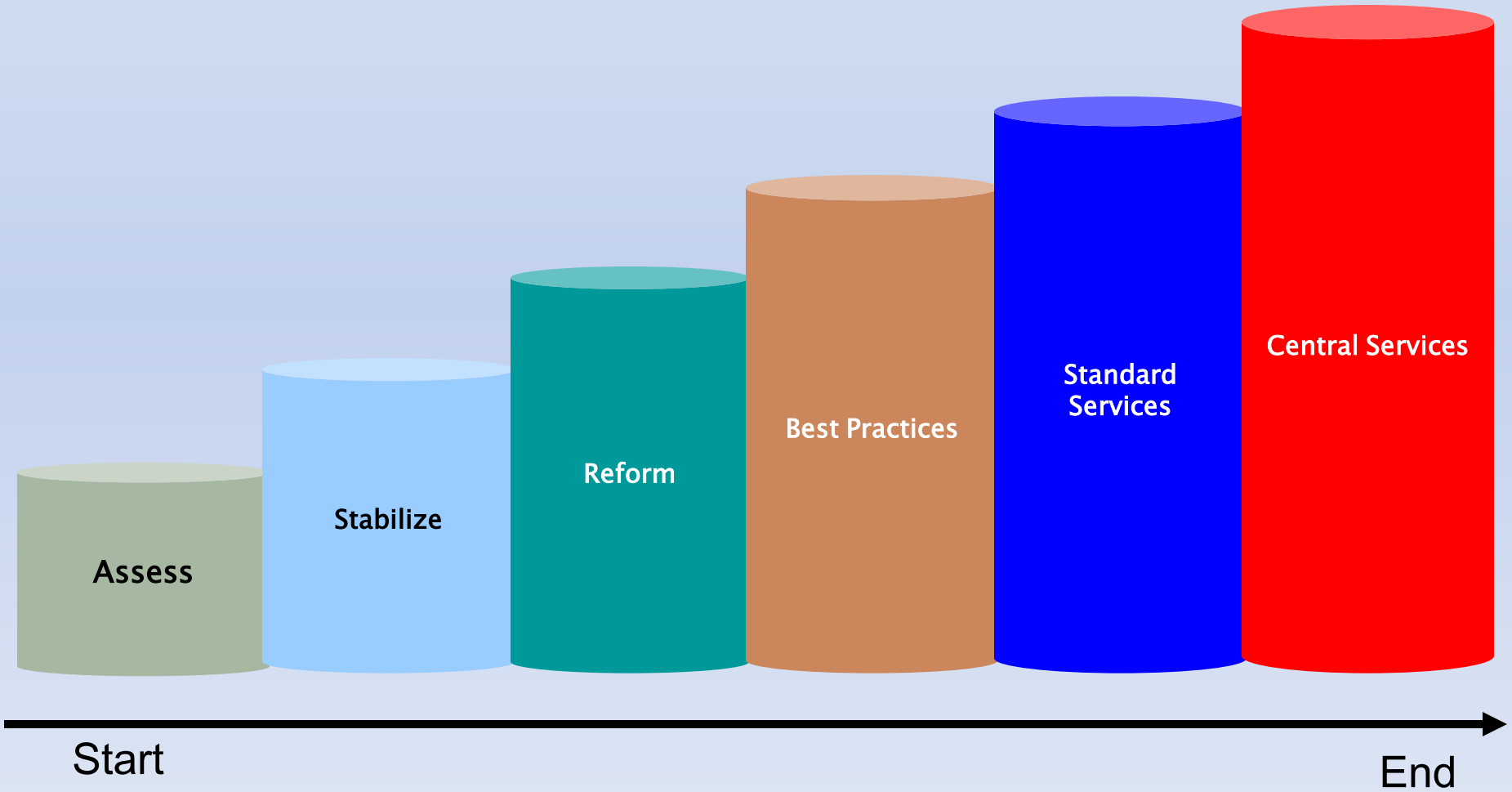
Improve communications between data, applications, processes, people and companies

Goals

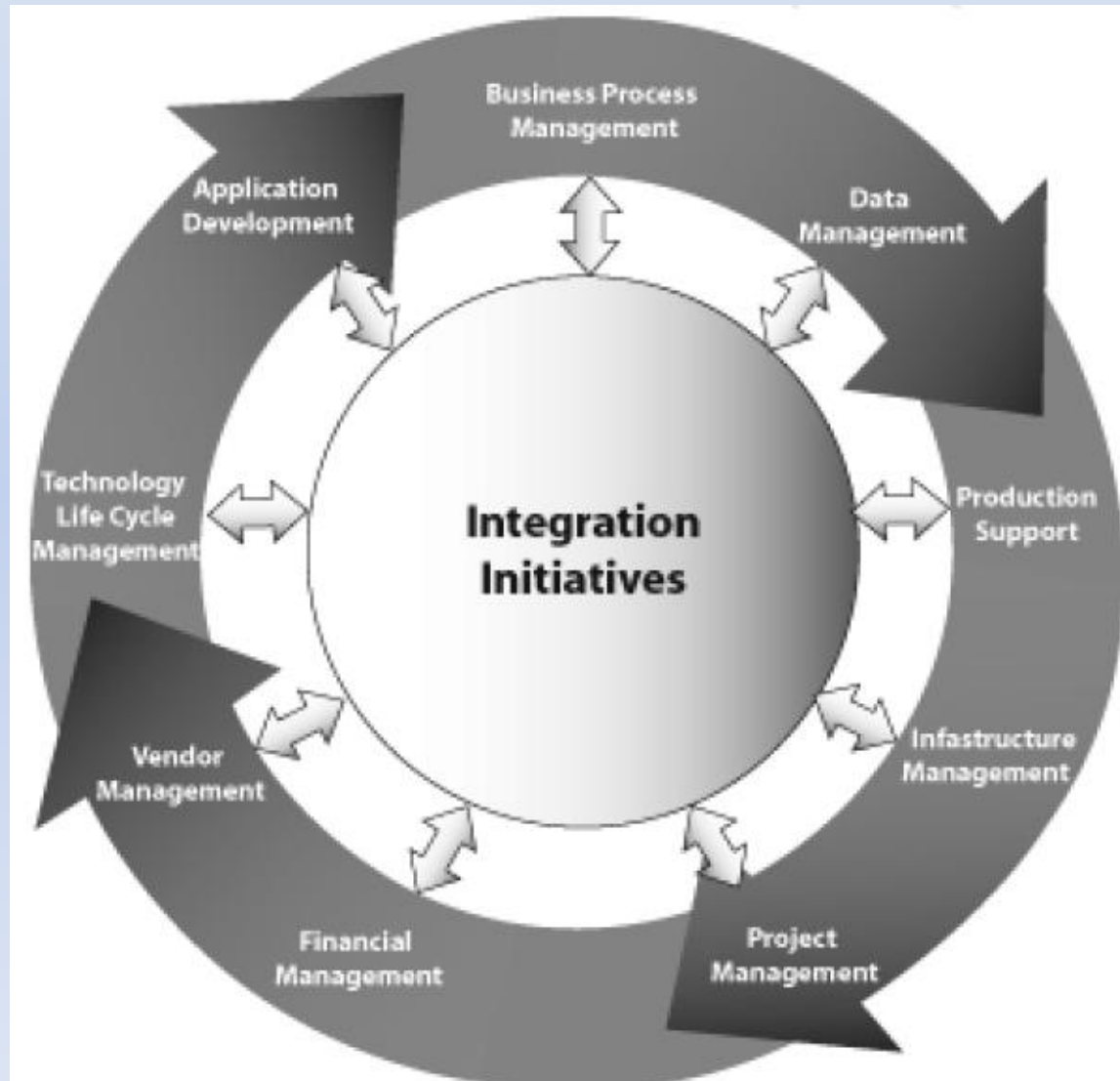
- **Flexible:** Enable rapid time of new/changed business functionality
 - Measure (Integration project effort + # of overall integration points)
- **Efficient:** Reasonable cost and eliminating waste
 - Measure (Integration costs: projects + software + GA)
- **Stable:** Controls and processes to integrity and reliability of systems and information
 - Measure (Number of integration defects + production uptime)

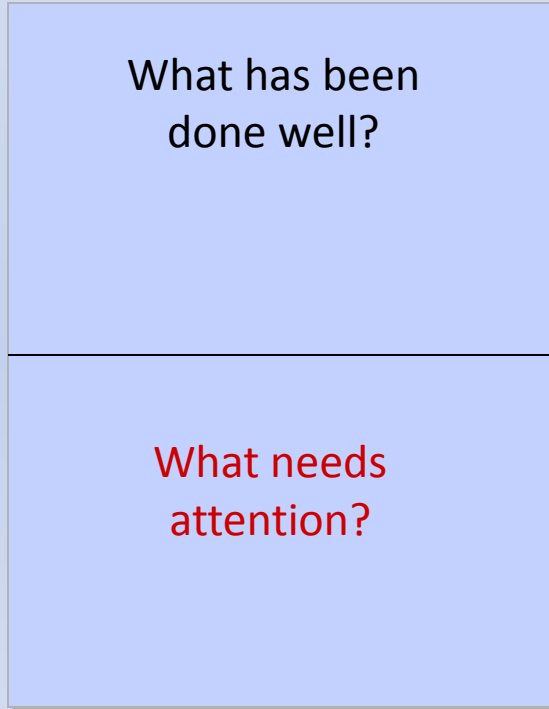
- SOA – Service Oriented Architecture
- BPM – Business Process Management
- EAI – Enterprise Application Integration
- EDA – Event Driven Architecture
- B2B – Business 2 Business
- ESB – Enterprise Service Bus
- ETL – Extraction/Transformation/Load

- Integration Team
 - Balance between business and technology
- Center of Excellence
 - Core capabilities for integration
- Integration Inventory
 - List of Information Management Assets
- Integration Architecture
 - Technical Foundation



- Understanding the integration maturity of your company and determining the value in developing an integration roadmap
 - Organize the assessment: people, process, technology, cost
 - Interview: Business, IT, consultants, vendors
 - Review: operation solutions, projects, issues, Application Portfolio, Corporate Objectives
 - Track: risks, issues, improvements, drivers
 - Develop a plan
 - Propose a vision and next steps





- Points to Categorize
 - Corporate objectives alignment
 - The need to integrate
 - Leadership buy-in
 - Acceptance to change
 - Total cost of solutions
 - Integration skills
 - Business focus
 - Understand business processes
 - Provide solution options
 - Integration architecture
 - Standards and procedures
 - Data/Information quality

- To address critical issues and mitigate high risks that will prevent the integration team from moving forward with the Integration Roadmap
 - Complete root cause analysis
 - Mitigate high risks and address key issues
 - Stabilize integration environment
 - Start mapping out the integration inventory
 - Apps, data sources, interfaces
 - Document “As is” environments
 - Put lower priority integration initiatives on hold
 - Staff integration architect & integration BA

- To transform the technically focused integration team into a team that is focused on a balance of business and technology
 - Define integration
 - Determine where integration fits in the IT strategy
 - Design high-level integration architecture
 - Select core integration technology
 - Map responsibilities of the integration team
 - Map touch points to other teams
 - Re-brand the team of required
 - Map go forward plan (budget, schedule, scope)
 - Communicate the go forward plan

- Establish a foundation (people, process, technology) for delivering and supporting integration solutions.
- Prerequisites
 - Your organization is ready for change
 - Integration team has core staff members
 - Lead, BA, Architect

- Staff vacant positions
- Start learning the business
- Catalog all integration technologies
- Configure & deploy integration architecture components
- Inventory Business Process Flows
- Adopt/Define integration best practices & standards
- Adopt/Design integration patterns
- Create artifacts to manage: operations, projects, environments, people
- Start workshops with business departments
- Develop communication and education programs

- Define best practices for the remaining integration technologies and start recommending solution consistency across the organization
- Prerequisites
 - Your organization is ready for this phase
 - Next steps approved and communicated

- Define integration standards for all integration technologies
- Start benchmarking your integration projects
- Refine your best practices, standards, and methodology
- Refine the integration life cycle; streamline and simplify
- Reassess your staff skills and training needs
- Reassess budget requirements

- Govern integration consistency across the enterprise via a centralized integration team
- Prerequisites
 - There is value in moving to a centralized model
 - Your organization is ready (may require major changes to IT department)

- Address any organization changes
- Develop transition plans for new responsibilities
- Develop plans to consolidate / streamline existing solutions
- Develop plans to phase out redundant integration technologies

- **Time**
 - Balance between the roadmap and integration projects
 - Amount of education and communication
- **Cost**
 - Pressure to build the quick and dirty solution
- **Solution Constraints**
 - Right balance between a “good” solution and the “best” solution
- **Third party constraints**
 - Consultants, Vendors, Solution Providers

- **People**
 - Right people and strong leadership to steward the roadmap
 - Educate and communicate
- **Process**
 - Identify the need and align with business strategy
 - Set goals, measure progress and adjust when required
 - Balance between business and technology
- **Technology**
 - Develop a foundation (Integration Architecture)
 - Understand what we have and truly need



Thank You