

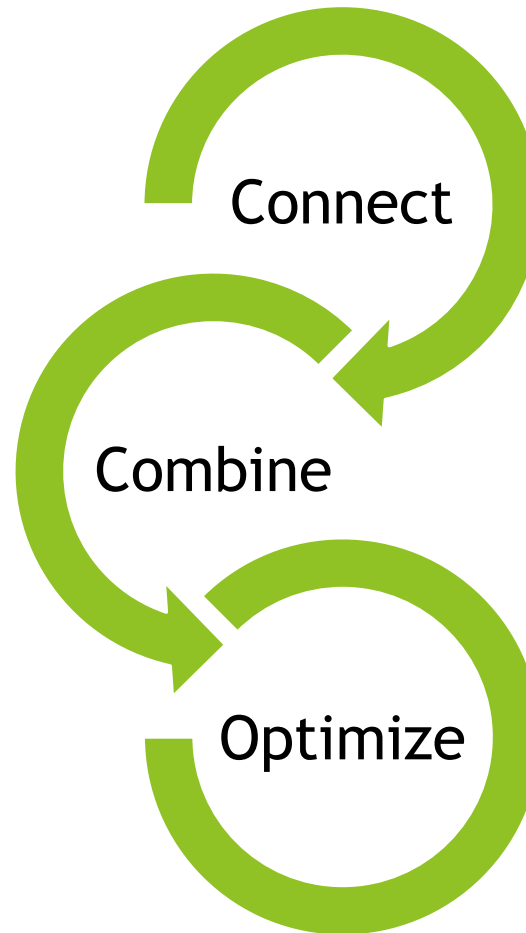


Enterprise Application ► Integration (EAI)

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What is EAI

- ▶ Right People
- ▶ Right Process
- ▶ Right Technology
- ▶ Right Data
- ▶ Right Time
- ▶ Security Protocol
- ▶ Right Resources



WHY ?

- Problems of Adhoc and Point-to-Point integration
- Faster fish eat slower fish: fast paced technology driven businesses, quick turnaround solutions like micro services often take the precedence over "planned" integration
- Bring more success and maximum value
- Improved real-time visibility
- Cost saving
- Improved productivity



WHERE TO USE ENTERPRISE INTEGRATION?

- ▶ How business want to integrate systems, applications, and data, and what kinds of partner, compliance, and customer SLA mandates they must meet

- ▶ Legacy System
- ▶ Siloed Application
- ▶ Acquisition
- ▶ SaaS
- ▶ Supply Chain
- ▶ Private Cloud
- ▶ Public Cloud
- ▶ CRM (Customer Relation Management)
- ▶ ERP (Enterprise Resource Planning)
- ▶ IoT
- ▶ Mobile Apps
- ▶ Analytics



HOW TO USE ENTERPRISE INTEGRATION?

- ▶ List down gaps from Current State and Future State in Integration Design
- ▶ Integration Blue Print (Planning and Design)
- ▶ Identify Transactions and Dependencies
- ▶ Web Services (SOAP, REST, Database Exchange, Custom)
- ▶ File Based Data Transfer (CSV, XML, Custom)
- ▶ Security Constraint - (Certificates/Credentials/IP Whitelisting/Domain)
- ▶ Identify Monitoring and Logging Mechanism
- ▶ Define Maintenance Procedure

BUSINESS CHALLENGES OF ENTERPRISE INTEGRATION

- ▶ Requirements/Needs
- ▶ Technology/Tools
- ▶ Innovation
- ▶ People/Participation
- ▶ Investment
- ▶ Capacity
- ▶ Education



TECHNICAL CHALLENGES OF ENTERPRISE INTEGRATION



- ▶ Latency
- ▶ Data security
- ▶ New End Point
- ▶ Trouble Shooting
- ▶ REST orientation
- ▶ Massive Data Content of IoT
- ▶ Immature security of IoT
- ▶ Unpredictable Usage - Mobile
- ▶ Connectivity - Mobile
- ▶ 24 X 7 transactions