ERP – Oracle Apps

Lesson 17: Best Practices - Aim Methodology

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Lesson Objectives

- ➢ What is AIM?
- ➢ Activities Supported – AIM
- ➢ AIM - Phases
- ➢ AIM – Data Conversion (CV) Methodology
- ➢ Data Conversion (CV) – Objective & Steps
- ➢ Documentations – Data Conversions
- ➢ Data Conversion – Processes
- ➢ Usage & Deliverables – Each Conversion Documents
- ➢ Customization Process - Documents

Objectives

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What is AIM?

➢ **AIM – Application Implementation Method**
➢ **Oracle Full life-cycle approach for implementing Oracle Apps package.**
  – AIM is comprised of well-defined processes that can be managed in several ways to guide you through an application implementation project
  – AIM provides the tools needed to effectively and efficiently plan, conduct, and control project steps to successfully implement new business systems

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Oracle's Application Implementation Method (AIM) is a proven approach for implementing Oracle Applications.

AIM is comprised of well-defined processes that can be managed in several ways to guide you through an application implementation project. AIM provides the tools needed to effectively and efficiently plan, conduct, and control project steps to successfully implement new
business systems.

AIM is very broad in its support of all of the activities within your implementation project including:
.Planning
 .requirements definition
. business process alignment and modeling
. customization
. interfaces and integration between systems
. data conversion
. organization change management including specific support for
  executive, management, and user groups
. application and technical architecture including network and
  server design
. reporting and information access systems
. security and access control

AIM Processes

- ➤ Planning
- ➤ Requirement Definition
- ➤ Business Process alignment and modeling
- ➤ Customization
- ➤ Interfaces and integration between systems
- ➤ Data Conversion
- ➤ Organization Change Management
- ➤ Application and technical architecture
- ➤ Reporting and information access systems
- ➤ Security and access control

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AIM – 6 Phases of AIM

Definition	Operational Analysis	Solution Design	Build	Transition	Production
• Plan • Review Org. Business Objectives • Understand Business Processes • Evaluate the Feasibility under time, resources & budget constraints	• Development Of Business Scenarios • Assessment Of level • Identification Of Gaps • Proposition Of new Solutions	• Development Of Detailed Designs for New System • Creation of Business Procedure Doc. • Possibilities Of effective Alternatives • Design Perf. Testing Programs	• Coding • Testing of all Customization • Application Extension • Data Conversion • Interfaces • Production o Unit-Tested And link-Tested program Modules	• Deployment Of new Sys. • Training of User community • Configuration Of the Prod. Environment • Conversion Of Data • Acceptance Testing	• Last Phase of Implementation • Series of Refinement • Performance Measurement • Ongoing Support

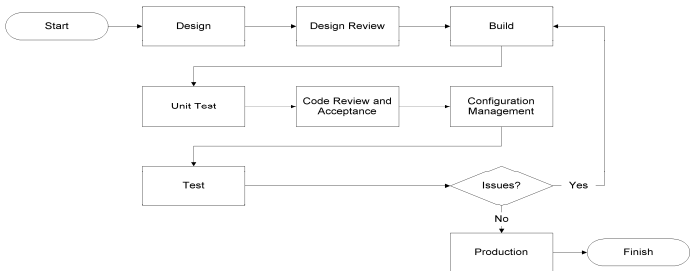August 14, 2014   Proprietary and Confidential   ‹ 5 ›

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Phases and Processes Relationship
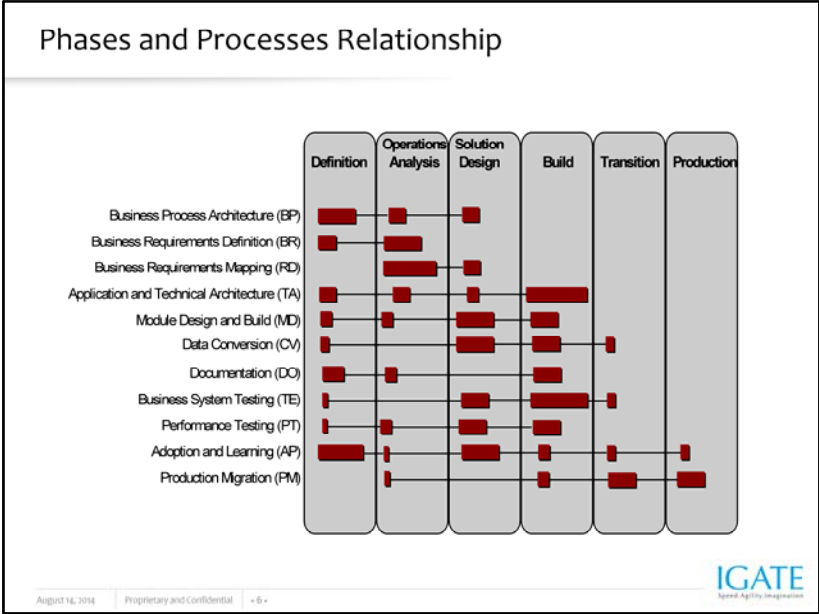
Data Conversions Approach

➢ **Oracle Conversion Projects mainly involves migration of data from Legacy system to Oracle Applications or from lower version of Ora Apps to higher version. This diagram describes the project execution model.**

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Documentations – Data Conversion

- ➢ CV.010 - Define Data Conversion Requirements and Strategy
- ➢ CV.020 - Define Conversion Standards
- ➢ CV.030 - Prepare Conversion Environment
- ➢ CV.040 - Perform Conversion Data Mapping
- ➢ CV.050 - Define Manual Conversion Procedures
- ➢ CV.060 - Design Conversion Programs
- ➢ CV.070 - Prepare Conversion Test Plans
- ➢ CV.080 - Develop Conversion Programs
- ➢ CV.090 - Perform Conversion Unit Tests
- ➢ CV.100 - Perform Conversion Business Object Tests
- ➢ CV.110 - Perform Conversion Validation Tests
- ➢ CV.120 - Install Conversion Programs
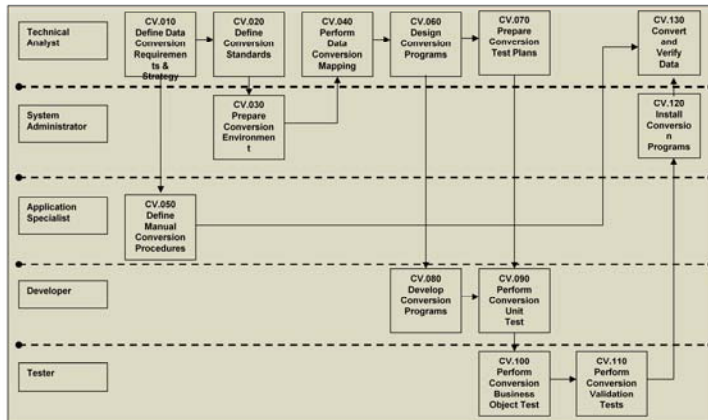- ➢ CV.130 - Convert and Verify Data

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Data Conversion (CV) - Processes

Terms Used for the Key Responsibilities

- Technical Analyst : Performs conversion mapping and design conversion modules
- System Administrator: Support the data conversion and provide assistance as needed for accessing the legacy systems.
- Application Specialist: Provides Knowledge and guidance regarding application functionality
- Developer: Code Conversion Modules. Develop Conversion unit test specifications and perform the conversion unit test. Perform the data conversion, if required.
- Tester: Help with conversion business object and validation testing to verify data correctness.
- Business Object: Physical or logical object of significance to a business e.g. vendors, customers, people, assignments etc.

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CV.010 – Define Data Conversion Requirements and Strategy

- Define the scope of the conversion project
- Conversion Objective and approach
- Prepare a strategy for converting information from the legacy systems to the new application environment
- The task provides a roadmap for performing the conversion of data from the legacy system to the new Oracle System

- Deliverable
  Data Conversion Requirements and Strategy

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CV.020 – Define Conversion Standards

➤ Creation of the Conversion Standards the Conversion Team needs to follow when performing conversion tasks.

➤ Documents the file structure and naming conventions for the legacy and target systems as well as for any automated tools which would help in facilitate the conversion process.

➤ Deliverable
   – Conversion Standards

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CV.030 – Prepare Conversion Environment

➢ **Creation of the Conversion Environment which includes the hardware platforms, servers and other software which are required to support the design and build acitivites of conversion.**

➢ **Deliverable**
  – Conversion Environment

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CV.040 – Perform Conversion Data Mapping

- ➢ **Mapping the data elements from the legacy systems to the target Oracle Applications**
- ➢ **Identification – Data Sources and target tables and columns**
- ➢ **Identification – Data Defaults, Validations, processing, translation, filters and foreign key rules.**

- ➢ **Deliverable**

  Conversion Data Mapping
  - – provides the detailed data mapping and extract file layout for each legacy data elements one plans to convert to Oracle.

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CV.050 – Define Manual Conversion Procedures

➤ **Define the plan to convert the business objects which require manual conversion.**

➤ **Deliverable**

Manual Conversion Procedures
- Defines how to manually convert a business object
- Discuss the impact if one does not successfully convert the business objects in the required time frame.

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CV.060 – Define Data Conversion Requirements and Strategy

➤ **Design and Document the Conversion Programs**

➤ **Deliverable**

Conversion Program Designs
  – Defines the key assumptions, rules and logic needed to create the conversion Modules.

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CV.070 – Develop Conversion Programs

➤ **Outlines the testing plans for the unit, business object and validation testing for conversion.**

➤ **Deliverable**

Conversion Test Plans
- Provides plans for:
  - Conversion Unit
  - Business Object
  - Validation Tests

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CV.080 – Develop Conversion Programs

- ➤ Creation of the conversion programs that performs all of the functions required to convert legacy business objects to the target Oracle Applications.
- ➤ Conversion Programs of each Business Object consist:
- ➤ Download Program
1. Interface Table Creation Program
2. Upload Program
3. Translation Program
4. Interface and Validation Program

- ➤ Deliverable
  Conversion Program

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CV.090 – Perform Conversion Unit Tests

➤ **Purpose – to test the conversion programs to verify that all programs work without errors and according to the conversion testing specifications pre-defined in the CV.070.**

➤ **Deliverable**

Unit-Tested Conversion Programs.

– It includes conversion program source code which has been tested to verify the processing logic of each program module functions without errors.

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CV.100 – Perform Conversion Business Object Tests

➤ Testing the complete conversion of each business object by executing all conversion modules for the business object in the appropriate sequence and thus verifying so that the resulting data is correct.

➤ Deliverable
Business Object-Tested Conversion Programs

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CV.110 – Perform Conversion Validation Tests

➢ **Validation of the target applications function correctly with the converted business objects**

➢ **Deliverable**

Validation-Tested Conversion Programs

– It includes conversion programs that have been tested to verify that the resulting converted legacy data performs correctly in the entire suite of Oracle Applications.

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CV.120 – Install Conversion Programs

➤ **Perform and document the installation of the conversion programs in the production environment.**

➤ **Deliverable**
Installed Conversion Programs

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CV.130 – Convert and Verify Data

➤ **Conversion and Migration of the production data from the old system to the new Oracle Production Environment**

➤ **Completion of task → data is ready for production use.**

➤ **Deliverable**
Converted and Verified Data

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Customization Documents

➢ MD.010 - Define Application Extension Strategy
➢ MD.020 - Define and Estimate Application Extensions
➢ MD.030 - Define Design Standards
➢ MD.040 - Define Build Standards
➢ MD.050 - Create Application Extensions Functional Design
➢ MD.060 - Design Database Extensions
➢ MD.070 - Create Application Extensions Technical Design
➢ MD.080 - Review Functional and Technical Designs
➢ MD.090 - Prepare Development Environment
➢ MD.100 - Create Database Extensions
➢ MD.110 - Create Application Extension Modules
➢ MD.120 - Create Installation Routines

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Customizations Document Flow
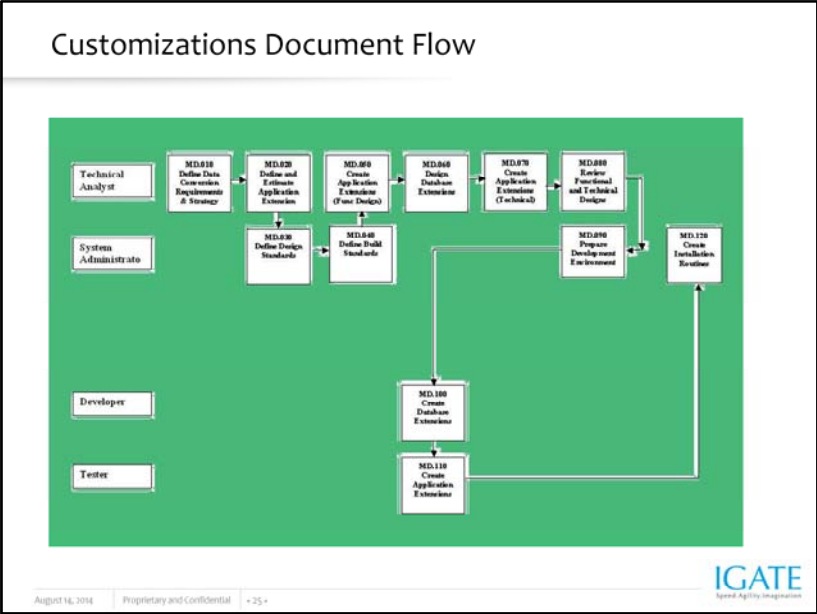
Summary

In this lesson, you should have learned how to:
- ➤ What is AIM?
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Summary

In this lesson, you should have learned how to:

- Basic of Coding Standards
- Handlers
- Triggers
- SQL
- PL/SQL Code

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