Client Extension - the Swiss Knife for Oracle Projects

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About Speaker

- Abhishek is a partner in Ideametrics LLC. Ideametrics is a boutique consulting company focused in media, cable, and telecom industry.

- Abhishek specializes in "procure to retire" processes in capital project intensive organizations.

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Agenda

- Client Extension – An Introduction
- Overview of the Implementation Process
- Case Study – Asset Capitalization
- Case Study – Transaction Control
- Case Study – Project Verification
- Lessons Learned
- Q & A

Client Extension – An Introduction

- Client extension is a feature of Oracle Projects module that allows companies to extend seeded functionality to meet complex business requirement with customization.

  - Feature also available in Internet Expense module, and to a limited extent in Cost Management module

- Release 11.5.10.2 provides over fifty (50) client extensions

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Client Extension – An Introduction

- Client extensions are called as part of standard Oracle processing.

- No customization is necessary to enable the functionality, Certain setups may affect how and when the client extensions are called during normal processing.

- Delivered as stub packages. Business logic must be implemented in the form of PL/SQL code in the stub packages itself.

Warning

- Do not modify base tables directly using client extensions!

- Do not add to or modify any IN or OUT parameters in the stub package.

- Do not issue commits within client extension code.

Overview of Implementation Process

- Implementation process similar to that of any technical object implementation
  - Define Business Requirements
  - Determine Client Extension Logic
  - Develop PL/SQL procedure
  - Test, Test, and Test some more!
- Review provided template packages for examples

Case Study – Asset Capitalization

- Business Requirements
  - Over 15000 active projects need to be capitalized on monthly basis
  - Over 100,000 expenditure lines on these project on monthly basis
  - Need to group these lines correctly within over 100 asset categories

Case Study – Asset Capitalization

- Client Extensions Used
  - Asset Lines Processing Extension
    - Used to create new project assets
  - Asset Assignment Extension.
    - Used to assign expenditure lines to project assets
- These extensions are called by "PRC: Generate Asset Lines" concurrent program.

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Case Study – Transaction Control

- Business Requirement
  - Need to make sure WebADI entered project miscellaneous transaction populate DFF values
  - Mandatory global DFF segment cannot be used due to the impact on payables and inventory transaction processing
  - Due to WebADI limitations mandatory context sensitive DFF segment cannot be used.

Case Study – Transaction Control

- Client Extension Used

  – Project Transaction Control Extension (PATCX)

- This extension is called as any project related transaction is entered in any module (such as PO/AP) and via interfaces (such as requisition import)

    - Exception: Inventory

Case Study – Project Verification

- ## Business Requirement

  - All projects in "approved" status must have baselined cost budget.

- ## Client Extension Used

  - Project Verification Extension.

  - This extension is called whenever user attempts to make a change to project status.

Contact Information

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