

OAUG Workflow SIG

SIG 1217

9/17/2016, 10:30am to 11:15am, Room 2005

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OAUG Customer Support Council

- Source of support tools, training and resources
 - Publish highly successful *OAUG Support in Focus* newsletter <http://oaug.org/supportinfocus>
- Your voice to Oracle: two-way communication
 - Represent member needs and challenges
 - “Test drive” My Oracle Support enhancements
- Notable accomplishments
 - Influenced Oracle in extending EBS Support
 - Influenced Oracle’s new Enhancement Request Process
- Contact the OAUG Customer Support Council
 - support@oaug.org <http://oaug.org/resources/csc>



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Introduction

- **John Peters**, Independent Consultant
Workflow SIG Coordinator
JRPJR, Inc
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- **Karen Brownfield**, Oracle Practice Director
Infosemantics, Inc.
karen.brownfield@infosemantics.com
Author of the book 'The ABCs of Workflow for E-Business Suite Release 11i and Release 12'

We don't work for Oracle but we both have extensive experience with the Oracle Workflow product



Introduction - Oracle

- **Vijay Shanmugam**

Director, ATG Development

E-Business Suite Integrations and Mobile

Oracle Corporation

Vijay's group enhances and supports the workflow module.

We would like to thank Oracle for allowing them to come to Collaborate15 and participate in the Workflow SIG Meeting



Where are these slides

- We will reference a lot of MOS Notes in this presentation don't worry about copy them down just remember where you can get this presentation:
<http://workflowsig.communities.oaug.org/>
or
<http://jrpjr.com>
- This is revision 2.0 of this presentation so make sure to download the most recent copy from one of the above web sites.



Agenda

- Workflow SIG Structure
- Future of Workflow
- Current Workflow Functionality
- Oracle Mobile Approvals for Oracle E-Business Suite
- Workflow Analyzer Demo
- Other resources for Workflow Information
- Questions and Answers

We are going to try to leave ~20 minutes for the Q&A, so please think about those nagging Workflow Questions you have.



Workflow SIG Structure

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Workflow SIG Board

- The Workflow SIG has not had a formal Board. It has really just been Karen and I keeping things running.
- We will be setting up by-laws, appointing an initial board and chairman.
- Please join the Workflow SIG, announcements will be emailed out to that list.
- We will update the web site with details as we go through this process.
- We will probably have elections for the board at Collaborate17.



Future of Workflow

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Future of Oracle Workflow

- De-supported as an Oracle product for standalone use.
<http://www.oracle.com/technetwork/middleware/ias/workflow-sod-089843.html>
- No longer part of the 11G or 12c DB install. Will be installed as a patch as part of the Apps Tech Stack.
- Still heavily used in R12 and will be supported by Applications Technology Group.
- R12 SubLedger Accounting use is on the rise replacing the Account Generators.
- Will not be used in Fusion Applications.
- It is still being enhanced as a product and in R12 functional usage is being expanded



Future of Oracle Workflow

- Several products and technologies replace Workflow in Fusion Applications. It's functional replacement is BPEL and Mediator service components in Oracle SOA Suite, which provides a standard mechanism of creating both human-centric and process-centric workflows.
- Please look at prior Workflow SIG presentations for additional details on replacement products and references to those replacement products



Future of Oracle Workflow

Key take away points on the Future of Oracle Workflow

- Oracle Workflow is a core component of the Oracle E-Business Suite and it won't be going away for EBS
- Oracle Workflow continues to be enhanced by Oracle EBS Development
- Oracle Workflow as a key component of Oracle E-Business Suite will be with us for a long time



Current Workflow Functionality

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Current Workflow Functionality

Multiple Email Addresses

- Multiple email addresses separated by comma can be assigned to a given user or role in WF directory services. Workflow mailer will send workflow notification email to all the email addresses.
- In the past only single email address was supported for a user or role
- Patch 16057663 (R12.OWF.C): - Mailer support of multiple e-mail addresses for a single user/role. Comma separated list. Originally requested by PO Approval where the user can enter an email address interactively. Included in 12.2.5.



Current Workflow Functionality

12.1.3+ Notification Mailer Cloud Mail Support

- Configuring Oracle E-Business Suite Workflow Mailer with TLS for Microsoft Office365, Gmail, or Cloud Based Email Services for 12.1.3 and 12.2 (Doc ID 2051827.1)
- Configuring an Oracle Workflow Notification Mailer with Cloud E-Mail Servers (Doc ID 2077434.1)



Current Workflow Functionality

Misc Patches

- Patch 20054574 (11i): - Fix for Workflow Mailer to fetch embedded OAF content after POODLE fix is implemented on the web tier. POODLE fix involves turning off SSLv3 on the server.
- Patch 21188665 (12.1): - Provides the API WF_PURGE.ITEMS() with the capability to remove all applicable workflow processes when called with parameter FORCE set to TRUE.



Current Workflow Functionality – 12.2.6

External Links to EBS in E-mail Notifications

- Allows links to refer to the DMZ Tier for external users.

Ability to Specify Security Protocols for Mailer

- Inbound SSL Enabled and Outbound SSL Enabled parameters replaced by a LOV to specify security protocols.



Current Workflow Functionality – 12.2.6

- ATG CAB Wishlist (12.2.5+): Send all attachments (attached using PLSQLCLOB/PLSQLBLOB APIs or using FND attachments) local to the email instead of links on the header.
- JavaMail APIs used by mailer to be upgraded to 1.5.4. This provides NTLM authentication support for Inbound and Outbound processing.
- Links shown on email notifications can be setup to point to either internal or external EBS entry points (DMZ servers) based on whether the user is internal or external to the Customer's network.



Future Workflow Functionality

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Future Workflow Functionality

Workflow Lives On! in R12

- So yes Workflow continues to live on, even though it has been de-supported for *standalone* use.
- For more information:
Oracle E-Business Suite Releases 12.1 and 12.2
Release Content Documents ([Doc ID 1302189.1](#))



Oracle Mobile Approvals for Oracle E-Business Suite

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Mobile Applications

- Native iOS and Android applications
- Available on 12.1.3+ and 12.2.3+
- Oracle EBS Mobile Apps
 - Oracle E-Business Suite Mobile Apps, Release 12.1 and 12.2 Documentation ([Doc ID 1641772.1](#))
- If you are licensed for the base module you are licensed for the mobile application that supports it
- Table in Section 2 outlines base module relationship



Mobile Applications

- Uses REST services to communicate back to the EBS APPS Tier
- Three methods for connectivity:
 - Mobile devices connect to your corp WiFi
 - Mobile devices VPN to corp WiFi
 - Deploy a DMZ Apps Tier to serve mobile devices

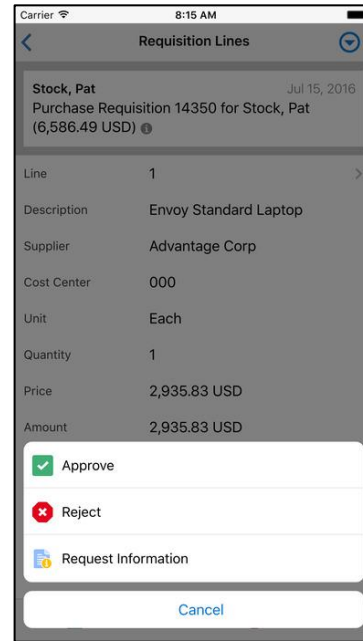
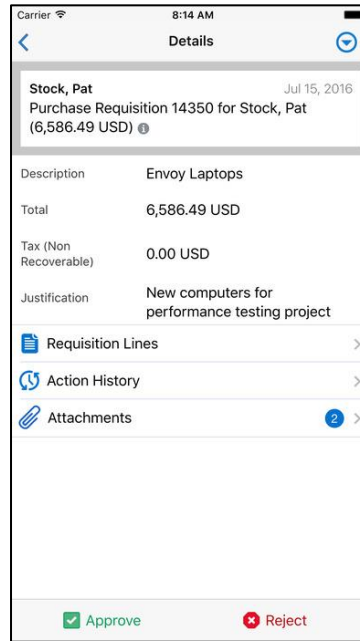
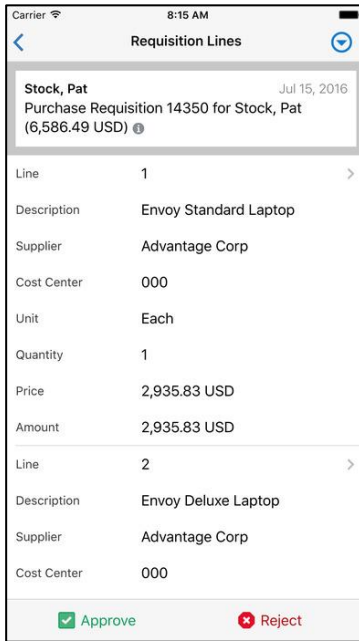
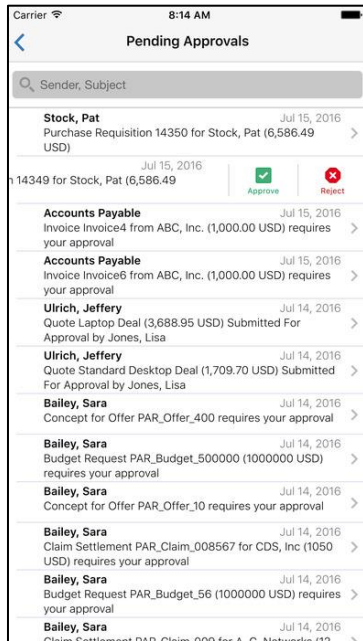
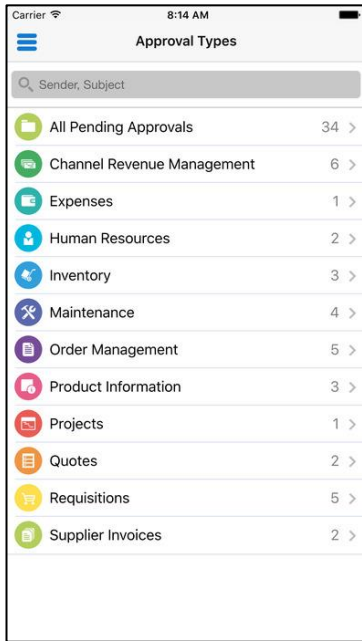


Mobile Approvals App

- Workflow Approvals for EBS mobile app on iOS and Android
- Available on 12.1.3+ and 12.2.3+
- Oracle Mobile Approvals for Oracle E-Business Suite Release Notes ([Doc ID 1642423.1](#))
- Release cycle is faster than the rest of the EBS
- Version 1.5.0 just released (Aug 2016), n-1 support for versions
- Server patches to install (Release 6.0 server patches included in 12.2.6)
- Support for Seeded and Custom approval types



Mobile Approvals App



Workflow Analyzer

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Workflow Analyzer

- Workflow Analyzer script for E-Business Suite Workflow Monitoring and Maintenance [ID 1369938.1]
Latest Version (v200.15)
- This is a non-invasive SQL Script you can run against your system it will provide some very good information to help you manage the workflow product.
- Install the menu bundle then you can run as a concurrent request, 'Workflow Analyzer'



Workflow Analyzer

Workflow Analyzer is running... No errors.

EBS Workflow Analyzer Report

Compiled using version 200.15 / Latest version: 300.15



Report Information

Legend: ❌ Error ⚠️ Warning ✅ Passed Check

[Execution Details](#)

[Parameters](#)

[Execution Summary \(1 ❌ 15 ⚠️\)](#)

Sections In This Report

Workflow Analyzer Overview ⚠️

Workflow Administration ⚠️

Workflow Footprint ⚠️

Workflow Concurrent Programs ⚠️

Workflow Notification Mailer ✅

Workflow Patch Levels ✅

Order Management Specific Workflows ⚠️

Purchasing Specific Workflows ❌

References

[Show All Sections](#) / [Hide All Sections](#)

Workflow Analyzer Overview: 1 ⚠️

[Expand All Checks](#) / [Collapse All Checks](#)

In This Section

[The overall Volume of Workflow Runtime Data is in need of Immediate Review!](#) ⚠️

[Instance Node Details](#)

[Workflow Queue Monitor \(AQ_TM_PROCESSES\) Setting](#)

[E-Business Suite Version](#)

[Workflow Database Parameter Settings](#)

Workflow Runtime Data Volume



Workflow Runtime Data Age Gauge



Note: Once a Workflow is closed, all the transactional or runtime data that is stored in Workflow Runtime Tables (WF_*) becomes obsolete. All the pertinent data is stored in the functional tables (FND_*, PO_*, AP_*, HR_*, OE_*, etc.) like who approved what, for how much, for who, etc...
 Remember that each time WE (WFMS) is executed, it inserts a copy of rows in the other WF_* tables, so it is important to maintain obsolete a copy data only.

Workflow Analyzer

- Key take away, this is a non-invasive SQL Script it does not do any inserts, updates, or deletes.
- You should have this installed in all of your EBS instances.



Other resources for Workflow Information

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Resources for Workflow Information

- Information Center: E-Business Suite Oracle Workflow ([Doc ID 1320509.2](#))
- How To Download and Install the Latest Oracle Workflow Builder (Client Tool) and XML Gateway Message Designer for E-Business Suite ([Doc ID 261028.1](#))
- Recommended Set Up for Client/Server Products with Oracle E-Business Suite 11i & R12 ([Doc ID 277535.1](#))



Resources for Workflow Information

- **Workflow SIG Web Site**

<http://workflowsig.communities.oaug.org/>

- **Workfow Blog**

<http://blogs.oracle.com/oracleworkflow>

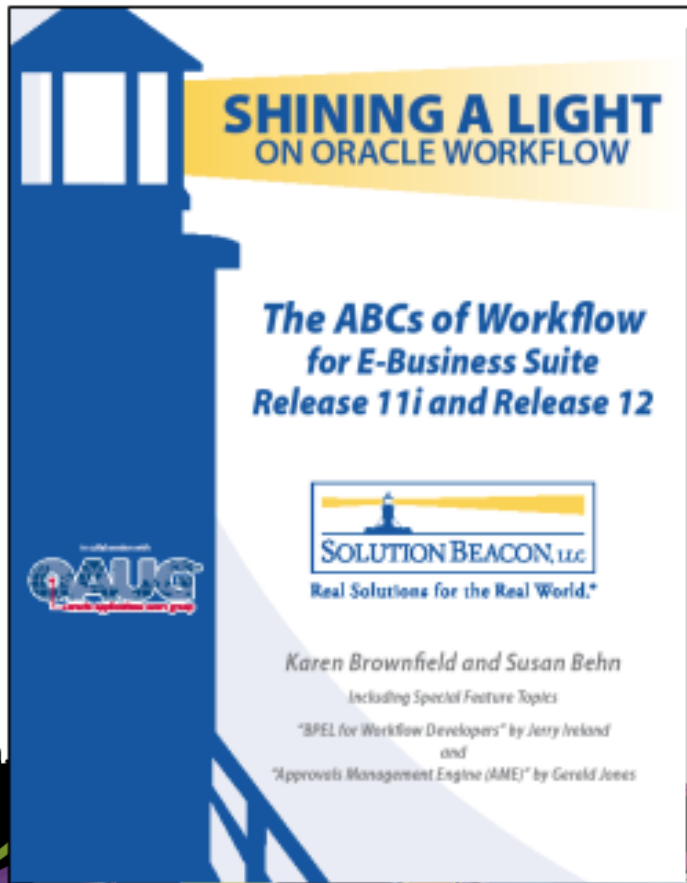
Great up to date information

- **My Oracle Support Community**

https://community.oracle.com/community/support/oracle_e-business_suite/core_workflow



Resources for Workflow Information



To purchase either the hard
copy
or electronic book

<http://lulu.com>

Search in Shop for:
The ABCs of Workflow for E-
Business Suite Release 11i and
Release 12
\$69.99

Questions and Answers

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Questions and Comments?



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- John.Peters@jrpjr.com

