

Oracle White Paper
March 2013

Service Pack 1 (V4.2.0.1.0) Release Notes Oracle Utilities Application Framework

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Introduction

Oracle Tax and Utilities Global Business Unit it pleased to announce the implementation of a Service Pack, designated 4.2.0.1.0, for Oracle Utilities Application Framework V4.2. The Service Pack contains all the fixes available since the original release of the framework as a single download and installation for convenience. This whitepaper outlines the contents of the Service Pack as well as implementation guidelines.

For support purposes, please quote the service pack designation, 4.2.0.1.0, for any Service Requests registered after this Service Pack has been installed. This will target the specific version and help support personnel identify the correct version of the product.

Service Packs

The Service Pack has been introduced to reduce the Total Cost Of Ownership of Oracle Utilities Application Framework based products to encourage regular update of software at sites, consistent with other Oracle products. In the past, single fixes were available on individual basis which required individual installation of the fix as well as any related prerequisite fixes. Feedback from customers and partners indicated this can become more labor intensive when the site did not keep up to date with the fixes shipped on My Oracle Support.

To address this, the concept of a Service Pack was introduced to deliver a cumulative available fixes that have been release and additional fixes allocated to this service pack. Implementing this Service Pack will reduce the time to download and install individual fixes and therefore address the issue of manual installing individual single fixes.

Individual single fixes will still be made available for critical patches only reported by individual customers. These fixes would be also included in the next scheduled Service Pack.

Note: Products using the Oracle Utilities Application Framework must be certified before using this Service Pack.

Installation of this Service Pack

In the past Group Fixes have been provided on a regular basis which contained the fixes released since the last Group Fix and targeted enhancements for the Group Fix. This has now been replaced with a cumulative Service Pack and which will implement all the fixes in a single install.

There are a number of scenarios supported by the installation of the Service Pack which will result in the same outcome in terms of fixes:

- If you are a customer who has only installed the original product from the Oracle Delivery Cloud without any fixes at all, installation of this Service Pack will ensure your installation is up to date with all the latest fixes contained in this Service Pack.
- If you are a customer who has installed selected fixes or any group fixes (or a combination of both) installation of this Service Pack will ensure your installation is up to date with all the latest fixes contained in this Service Pack. Past installed fixes will be detected and bypassed as they are already installed.

The documentation for each of the bugs included as well including past Group Fix bugs are included in this Service Pack.

Components of the Service Pack

Refer to the **README.txt** file for components of the install and the details of the installation process.

Contents

Service Pack 1 contains the enhancements and patches of significance outlined in the following subsections.

Note: The PFD's for each of the enhancements are included in the Service Pack installation. Refer to these documents for specific settings.

Oracle Service Bus Adapters

With the depreciation of the Multi-purpose Listener (MPL) in Oracle Utilities Application Framework 4.0, a number of real time adapters and Message Driven Beans have been released to replace the MPL functions. To complete the removal of the Multi-purpose Listener, a number of Oracle Service Bus protocol adapters have been developed to support outbound communications to be initiated from proxy services within Oracle Service Bus.

In this release the following protocol adapters are available:

- **Outbound Messages** – The adapter can be configured to process outbound messages at configurable intervals for messages in *Pending* state for a particular Outbound Message Type.
- **Notification Download Staging (Oracle Utilities Customer Care And Billing and Oracle Enterprise Taxation And Policy Management only)** – The adapter can be configured to process Notifications at configurable intervals for notification records in *Pending* state for a Notification Type.

These adapters surpass the existing MPL based adapters in that individual message types can be assigned different polling intervals to reflect the priority of the messages.

Customers using these adapters can install them into an installation of Oracle Service Bus as per the product Installation Guide.

Refer to the *Oracle Service Bus Integration with Oracle Utilities Application Framework* whitepaper for instructions on how to migrate existing MPL processes using

Attachment Object Support in Email Adapter

In Oracle Utilities Application Framework V4.0 a real time email adapter was added to allow implementations to compose and send emails, including file based attachments, for communication as a part of any algorithm or process. In Oracle Utilities Application Framework 4.1 the attachment object was added to the Oracle Utilities Application Framework to allow products and implementation to load and attach binary objects (such as document, sound, vision etc) within the product. In this service pack the email adapter has been extended to optionally use attachment object(s) as an email attachment(s). The adapter also allows file and attachment objects to be used as attachments in the same email, if required.

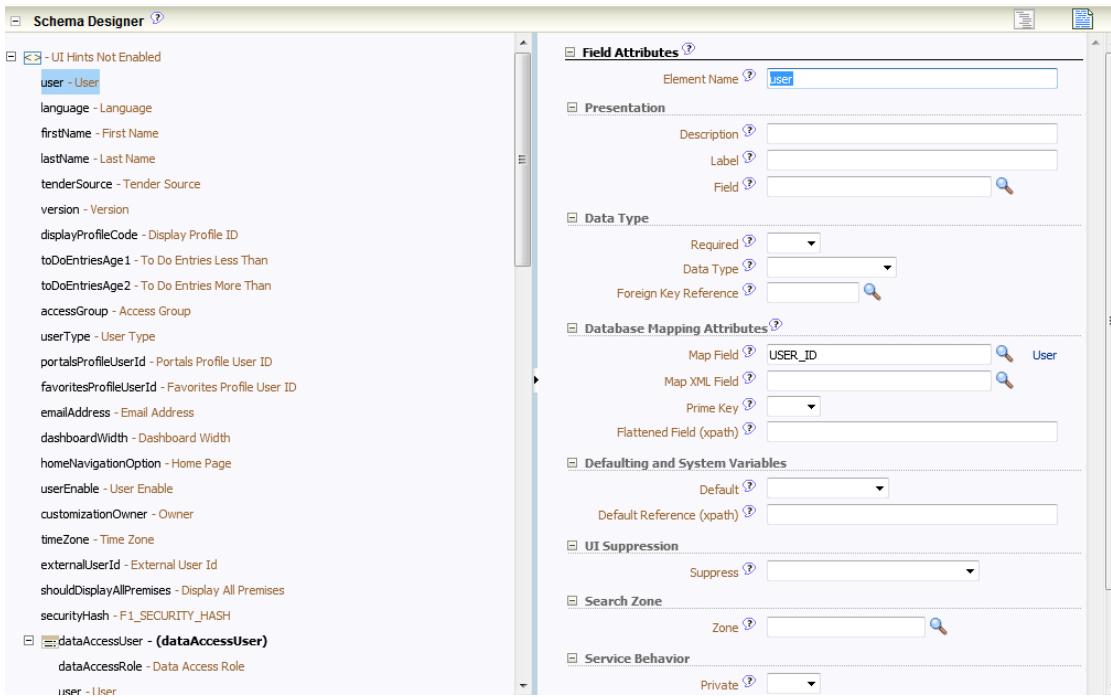
New Schema Designer

A new user friendly schema editor has been developed to improve schema editing to reduce manual effort and skill levels when developing schemas for Business Objects. This is to reduce the need to edit raw XML and continues the strategy of reducing skills required to extend our products, as with the instruction of UI hints in Oracle Utilities Application Framework V4.1 to remove the need for HTML editing.

The new Schema Designer features the following:

- **Property Sheets** – When editing each element a property sheet showing ALL the valid tag elements are show in a form style, including validation.
- **Drag and Drop Support** – Elements and groups can be dragged and dropped within the schema to reposition them.
- **Node Management** – Groups and lists can be built within the schema using the properties sheets.
- **UI Hint Management** – UI hints on elements and UI Hint section can be enabled and configured from the editor.
- **Context sensitive menus** – Right clicking an element displays a context sensitive menu to allow a developer direct access to development functions on that element.
- **Metadata driven** – Behavior and tag formats are maintained within the product metadata so that as tags are changed, added or removed, then this can be reflected in the editor without the need for coding changes.

An example of the editor is shown below:



Developers can switch between the original raw XML based editor and the new Schema Designer on the tool bar of the schema editor zone.

Default Schema and Data Explorer Currency Support

The schema language has been extended to allow for enhanced defaulting and extending the use of currency types. It is now possible to specify an installation default for currency as well as country to support multi-country objects. It is also now possible to add a currency type in data explorers to support customers with more than one currency.

EAR Setting Independence

Over the last few releases, any environmental settings have been progressively removed from the build of the J2EE application EAR file to make the EAR file environment more independent. This would allow customers to deploy software easier deployment across nodes on a cluster. This release removes the last of the identified configuration environment settings from the configuration files bundled in the EAR file. Configuration settings are dynamically determined at startup and runtime from base software locations rather than in EAR files.

This enhancement will be used by the Oracle Application Management Pack for Oracle Utilities.

Note: Product runtimes are required to be preinstalled on deployable nodes independently prior to EAR deployment for licensing reasons.

General Accessibility Enhancements

Oracle is committed to delivering products that support industry general accessibility standards. The Oracle Utilities Application Framework provides a foundation for providing accessible products. Over the last few releases, general accessibility enhancements have been implemented to automatically implement relevant standards.

Each release optimized internal rendering of screens to meet the latest assessments and standards. In this service pack the following additional accessibility features have been implemented:

- **Tab stops on query zone headers** – Products can customize the behavior of pressing tab to move across the header fields or to the records on the zone using the **ouaf.accessibility.features** configuration property.
- **Correcting tab stops** – Read only fields will be ignored for tab stops.
- **Title tags** – The title tag is now automatically generated in UI Maps.

Miscellaneous enhancements

A number of smaller enhancements have been added to this service pack:

- A new encryption/decryption convenience API has added to support in-product encryption for data fields.
- Internal program names are now included in TKPROF traces to aid in bug resolution.
- Patching has been extended to include the ability to add lookups easier. The feature needs to have Java field and value names populated for all lookups. The install of the Service Pack will automatically populate and correct these lookup attributes if necessary.
- Automatic formatting can be disabled for numeric fields using UI Hints using the new **alphaFormat** attribute.

Fixes included in this Service Pack

The following fixes are included in this Service Pack:

TABLE 1 – FIXES FROM THIS SERVICE PACK

FIX #	AREA	CONTENT
9580915	Translation	App Viewer Starts With Wrong Language (Incorrect Cookie Name)
12919398	General	Inconsistent Space Between Input Text And Custom Search Text Fields.
13000579	Security	11748 Security & Encryption For Credit Cards, Passwords, Sensitive Info
13080330	System Wide	Context Menu Not Showing Up Though Context:True Is Specified In The Display Map.
13578297	System Wide	Firefox-Mdm: Keyboard Focus Lost After Save/Cancel Of Record
13618718	Configuration Tools	Horizontal Scroll Bar Not Visible For Display Ui Maps
13868034	System Wide	Mdm Ada: Incorrect Tab Stops In Ui Map And Explorer Zone
13868197	System Wide	Mdm Ada: Ui Map Enhancement For Including Title If Missing In Html Markup

FIX #	AREA	CONTENT
13896710	Configuration Tools	Copy Of Bug 13066151 - Clicking On The Down Arrow Does Not Reduce A Date Using O
14004760	Common	Validation Required For External Url
14119912	General	00378 User Friendly Schema Editor
14157189	System Wide	Js Error When We Click On The Lifecycle Tab In The Bo Page
14222796	System Wide	Ada: Page Tabs On 360 Degrees View Were Not Marked With Aria Tab.
14238506	Portal	Copy Of 14238494 - Zone Menu Print Zone Does Not Print Complete Zone In Mapexpl
14313699	General	Firefox: Time Line Zones Are Not Displaying Properly In Firefox Browser.
14319227	Database	Copy Of Make Sysuser Cmable
14328272	Web Services	In Firefox The Xai Service Import Page Is Not Alligned Properly
14328361	Web Services	In Firefox: Unable To Navigate To Any Other Page From Xai Service Import Page
14328440	Configuration Tools	Uihint Select Dropdown Not Working When Input Param Is Outside List
14373356	Web Services	Sdp Protocol Support For Xai
14377685	Configuration Tools	Selecting Row On Popup Zone Searches
14392770	Configuration Tools	Javascript Error Is Thrown When User Selects A File To Upload In Attachments.
14400458	Environment	Sync Request Page Hangs Onlick Of Refresh Page
14510051	Configuration Tools	Unset Service Script Group Element Is Not Returned After Invocation
14510966	Debug	Attachment Content (Could Be Big) Should Not Be Shown In Advanced Debugger
14542185	Common	Common Attachments - Issues
14562796	Database	Test Data In Lookup Flag F1aw_Opt_Typ_Flg
14576442	Configuration Tools	Mdm: Schema Tips/Doc Must Be Updated For Flattened Effective Dated Elements
14588358	Web Services	Copy Of 14082530 - Xai Error Processing Xsd Date Format
14588484	GEO	Copy Of 14588469 - Copy Of 14401947 - Geocoding Service Returning Incorrect Resu
14596139	Common	Copy Of 14581708 - Odm: Error While Adding Owned Attachments
14599635	Batch	Copy Of 14569219 - Batch Submissions Stays In Pending State
14600498	System	Copy Of Bug 14600491 - D1-lmd Batch Job Is Failing With ClassCastException
14608227	Configuration Tools	Unable To Add A Status Reason On Any Bo Where Status Reason Bo Is Fw's Child Bo
14614596	Configuration Tools	Copy Of Bug 14579412: Odm: Uihints: Fkref Not Working On List Elements
14615474	Configuration Tools	Copy Of 14565442 - Onblur Is Not Working For Xhtml Maps
14618088	Configuration Tools	Scroll Bars Shown In The Display Map Of Bo With Uihints
14626892	System	Copy Of 14560564 - List Grid Is Distorted When A Pop-Up Error Is Displayed
14627866	Configuration Tools	Copy Of Bug 14524888 - Error Message Is Being Cleared In Subsequent Service Call
14627989	Common	Copy Of Bug 14627977 - Copy Of Bug 13893299 - Otss: Add New Managed Content Type

FIX #	AREA	CONTENT
14628258	General	Copy Of Bug 14521962 - Sms Send Service Fail Authentication
14628479	Configuration Tools	Copy Of Bug 14545944 - Context Menu From Ui Map Populates Context Fields Incorrect
14630637	Release	Support New Lookup Generation Keyword In Patch Files
14631157	Release	Copy Of 12366543 - Spl.Sh Displays Wrong Process Id (Pid) For Startweblogic.Sh
14635211	System Wide	Copy Of 14634316 Multiple Users Debuging Gives Error
14635317	Portal	Copy Of 11067376 -Xai Import Service Functionality Is Not Working
14635812	Portal	Copy Of 14189386 - When We Reset Zone Button Text Are Cleared
14637555	Environment	Copy Of 14539076 - Add WIfullclient To Fw Distibution
14638816	Configuration Tools	Copy Of 14544366 - Uihints : Csv File Upload Not Working For Bo's With Ui Hints
14638817	System Wide	Copy Of 14609627 - Short-Term Strategy For Header Tab Stops For Ccb
14641272	Configuration Tools	Z1 Components In Development Environment
14641392	AppViewer	Copy Of bug 14565634 - Unable To Open App Viewer From Menu (Wrong Url Connection)
14642561	Web Services	Copy 14642554 - Ability To Set Xai Trace Type So That Only Transactions In Error
14648721	Batch	Copy Of 14504240 - Mup2's Submitjob.Sh Stays Running Twice As Long As Mup2 Runti
14651147	System	Copy Of 14527006 - Ccb: Batch - Sax Parser Error And Unpredictable Output File L
14652819	General	Etm: Allow Option To Disable Automatic Formatting Of Numeric Fields Via Uihints
14654009	Configuration Tools	Copy Of 14559104 - Default Values Should Not Be Applied On List Elements During
14658828	Common	Copy Of Bug 14626695 - Error Labeling Dynamic Fields
14661035	System Wide	Copy Bug 14661021 - Copy Bug 14629214 - Etm:Etpm Login Performance Issue
14661317	Web Services	Display Only Valid Xai Classes In The Sender/Receiver Search Page
14661459	Configuration Tools	Copy Of 14631396 - Uihint:Displaynone Correction To Not Have 'Item' As First Par
14661918	Configuration Tools	Copy Of 14621732 - Uihint: Ui Hints Bs Drop Down Is Not Working In Onload If Id
14669676	Development	Element 'Sc' (Scroll) Is Not Using Label Style Orlabel
14675636	Configuration Tools	Odm: Old Error Message Being Shown In Multi-Query Zones
14680999	Configuration Tools	Copy Of 14544452 - Odm: Ui Hints Issue - Default Value In Dropdown Not Getting S
14686683	System	Copy Of 14589038 - Copy Of 14353910 - Billing Batch Run Tree In Error After Runn
14692761	Environment	Copy Of Bug 14676277 - Odm V2.0.1 Tpw Has Issues On Aix Platform
14694752	Batch	Expose Batch Global View Items
14695217	General	Copy Of 14640113 - Pk Value Missing For List In Da F1commonmessagedata
14695824	System Wide	Date Time Picker Label Appears In Xai Dynamic Submission Ui
14699133	Release	Capability To Run Database Blueprint By Any Non-Schema Owner Is Broken
14699509	Database	Copy Of Bug 14699506 - Unique Constraint Issue For Ci_Tax_Role_K

FIX #	AREA	CONTENT
14703180	General	Copy Of 14671706 - Invalid D2-Ssmeterreadtasktype Bo Schema Present In Application
14706373	Web Services	Copy Of 14727095 - Real Time Http Sender Does Not Implement Http Transport Method
14708575	Third Party	Could Not Load The Translet Class 'Gregorsamsa'
14709991	Common	Copy Of Bug 14708436 - Function Disabledatetime Does Not Disable The Calendar Icon
14722199	General	Etm: Defaulting Currency From Installation
14736675	Portal	Dashboard Zones Are Overlapping
14737603	System Wide	Copy Of Bug 14600735 - Short-Term Strategy For Calendar Icons
14740424	Database	Copy Of 14730885 - Delete Service Program: Cilydfql
14740550	Common	Copy Of 14729592 - Oradisplaynone Enforces Block Style; Orafield Issues
14746035	Web Services	Copy 14751617 - Jms Messages Error Out If Associated User Has Trailing Space
14747057	Configuration Tools	When Bo Option Type External System Is Selected The Option Value Does Not Display
14752196	Database	Copy Of 14602866 - Ci_Wf_Proc_K Data Role Flag Should Be Convert (Retain Pk)
14757161	Batch	Copy Of 14711726 - Status Remains In Progress When Worker Killed
14757970	Release	Templatize Jmx Configuration For The Appserver
14763849	System Wide	Copy Of Bug 14736785 - Date/Datetime Display Format Issue On Trees
14764710	Configuration Tools	Copy Of Bug 14664647 - Mdm2.1.0 Uihint Dependent Element Not Getting Populated C
14770092	Release	Copy Of 14736454 - Compare Utility Error 256 - A Non-Zero Code Was Returned By C
14770399	Release	Copy Of 14751302 - Websphere Basic/Nd Deployment Scripts In Ouaf: V4.1.0.1.0 Is
14772819	General	Firefox : Tabbing On Go To Zone Icon Navigates To Zone Page
14773808	System Wide	Copy Of Bug 14708140 - 00371 Improve Performance Of Database Tagging
14774682	Configuration Tools	Custom Search Popup Has Wrong Font On Custom Search Field Info String
14777124	Configuration Tools	Copy Of 14614586 - The Context Menu Button In Some UI Maps Are Not Working. On C
14790682	General	Copy Of Bug 14789571 - Missing Navigation Key For Sync Request Help Document
14791458	System Wide	Copy Of Bug 14772030 - Accordion Does Not Always Display The Grid It Contains
14804081	To Do	Copy Of Bug 14804078 - Copy Of Bug 14803928 - Copy Of Bug 14803908 - Copy Of Bug
14805063	Configuration Tools	Copy Of 14240578 - JS Error Encountered And Button Is Disabled When Map Is Cancelled
14831752	Common	Er 405 - Email Service And Attachments
14835151	Configuration Tools	Uihint:Sectionopen="False" Breaks Uihint:Dependents Onchange Event
14844684	Batch	Copy Of 14744330 - Email Client Problem In Batch On 32 Bit

FIX #	AREA	CONTENT
15829295	Portal	Copy Of 14808137 - Multi Select Zones Are Not Working Correctly If Sorted
15838578	Web Services	Copy Of 13072602 Etm: Opa - Error Generating Data Areas/Calling Web Service Di
15839437	Configuration Tools	Query Zone Not Displaying Total Number Of Row Result
15839882	Script	Copy Of 14769626 - Copy Of 13790776 - Using Renumber Button Breaks Some Bpa Scripts
15847477	System Wide	Copy Of Bug 14647651 - Horizontal Scroll On Inline Help Popup
15867632	Database	Copy Of 15863907 - Copy Of 15857954 - Unknown Date Is Used To Compare Against
15868749	Web Services	Etm:Xai Prints User Password In Xai.Trc
15868783	Web Services	Copy Bug 14787869 Ccb Call To Integration Layer When The Jms Q Is Paused Throw
15874664	External Message	Realtime Senders Cache Not Accessible From Jmx
15893223	Script	Copy Of 14156144 - Script Engine V 3.0 Bug - Incorrect Referencing Temporary Va
15893616	Security	Copy Of 15873943 - Scr_Cd Is Incorrectly Uppercased When Adding To User Favorite
15894676	System	Copy Of Bug 15841356 - Enhancement To Support Multiple Data Source Indicator
15905526	Release	Copy Of 15905379 - Installsf.Plx Should Allow To Install Ccb 2.4.0.0.0 Hf On 2.4
15919502	Batch	Copy Of 14851115 - Mwm Batch Job M1-Tsktr Runs And Keeps Failing Every Minute
15943303	General	Copy Of 13883686 - Rendering Of Datetimes Using Referenced Time Zone Does Not Sh
15948925	System Wide	Copy Of 15945711 - Copy Of 14510102 - Copy Of 14394216 - Etm:Implementing Etpm 2
15949665	System Wide	Copy Of 10435036 - Adding Large Message In The Log Tab Truncates, But No Warning
15952704	General	Ctrl+Shift+S Shortcut Enables The Debugger In Firefox 17 Esr
15969738	To Do	Copy Of Bug 15963686 - Copy Of Bug 14684549 - Assignment Of To Do's Not Logged C
15974911	System Wide	Specified Column For Sql In Zone Considers C12 As C1 And Appends 2
15976526	To Do	Newly Created Todo Type Is Not Available Immediately To Create Todo Entry
15979879	System Wide	Copy Of 13800043 - Enhance Logging To Include Context In Sql Calls
15980396	Configuration Tools	Copy Of 15992858 Emit Empty Elements Attribute Not Retained In Included Schema
15983232	UI Map	Etm: Input Field In A Table Inside A Table Is Not Generating Proper Id
15989640	Common	Extended Lookup Record Getting Deleted When We Click On Cancel Button
15999152	Database	Fix Database Health Check Sql For Index Validation
16008752	Common	Copy Of Bug 15892253 - Recordsloadbatch Should Use Thread-Iteration Strategy
16019739	Configuration Tools	Uihints: Schema Validations Not Working For Groups Or Lists

FIX #	AREA	CONTENT
16024356	Release	Copy Of 14840823 - Antlr Conflict Issue With Win32
16034715	Common	Copy Of 14755292 - Ie 8 Frozen And Has To Be Killed When Navigating On Table Men
16036807	Batch	Copy Of 14672381 - Batch Performance And Exception Handling Enhancements
16037258	System Wide	Mdm: Jaxen Causes Xslt/Javascript Failure In Websphere Fw4.2
16047746	Web Services	Copy Bug 16037414 - Missing "Sequence" Attribute Definition From Cdxusermain
16090338	General	Mdm : Imd Actions Panel Is Blank When Choosing Utc Time Zone
16091326	Web Services	Copy Of 16087749 - Ability To Call A Custom Xai Service Without Changing The Fir
16096506	Common	Copy Of 16182645 - Bs F1-Syncmstdta Should Validate If Input Has A Value Before
16100079	Common	Ejb Initialization Unable To Find Spl.Properties Using The Splebase Env Variable
16105233	Configuration Tools	Mdm:Uihint: Select Does Not Work When Element Has Isprimarykey="True" Attribute.
16174565	Data Explorer	Js Error While Searching In Data Explorer Pop-Up
16186980	Batch	Copy Of 15966433 - Batch Jobs Remain In 'Started' Status In Ci_Batch_Job Table
16193071	General	Copy Of 13743074 - Error Server Has Encountered A Problem When Selecting More Th
16205637	Configuration Tools	Deprecate -Characteristic Collection Maps That Were Added Using Bug 10397029
16215020	UI Map	Click On 'Test Ui Map' Loads Invalid Ui Map
16217185	Batch	Copy Of 16184414 - Job Failing When Called Algorithm Raises Error In The Middle
16273717	Database	Rename Database Release Utilities As Per Oracle Standards
16286927	System Wide	Copy Of Bug 16184921 - Etm:Decision Report (Attachment Entity) Navigation Does N
16290006	Batch	Exception Thrown Whensystem Event "Get Level Of Service" Added To Existing Batch
16293966	Web Services	Xai Components Are Not Working As Expected
16299048	Database	4.2 Sp1 Audit - Foreign Key Validation Errors
16315870	Web Services	F1-Emailmessage Service Is Not Working Because Of Bo Schema Error
16326843	Configuration Tools	Invoke Bo For Read Does Not Return The Bo Schema Elements
16368009	Batch	Los Is Always Set Error For The Succesful Execution Of The Non-Time Batch Jobs
16372187	Common	Er 405-Email Service And Attachments-Revert Changes Made In Bo F1-Emailmessage
16374065	Configuration Tools	Js Error Is Thrown While Navigating To Calculation Rule Display Map
16448317	Web Services	Copy Of 14592799 Delete Test Data - Bo_12375579_Test



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