Adeptia Suite 5.3 Release

Release Notes

March 5, 2012

Contents

Patch Details

Patch Name : **AdeptiaSuite_5_3_QuickUpgrade.zip**

Base Build Tag : **Release_5_3_03March_2012**

Applies To

This is a cumulative patch and can be applied to Adeptia Suite version 5.2 or 5.2 SP1.

Licensing

After applying the patch you need to update your license with 5.3 compatible license. So it is recommended that you should first get the 5.3 compatible license and then start applying the patch.

To get the 5.3 compatible license contact support@adeptia.com .

List of Changes

Following table lists the enhancements and bug fixes that are done in Adeptia Suite 5.3 version.

Enhancements (5.3)	Description/User Story
Web service	
Upgraded web service consumer to Metro (Web Service stack from GlassFish)	Metro is a Web Service stack from GlassFish. It is best in terms of performance & interoperability with .Net based web service. Adeptia WS-Consumer is upgraded to Metro. Currently it runs on Axis 1.1.
SOAP 1.2 support in web service consumer	As a developer user I want to consume web service that uses SOAP 1.2 binding so that I can take advantage of Interoperability fixes, "XML Information Set" support (for compression, optimization & other performance gain) and flexibility for transport protocol options in SOAP 1.2.
MTOM support web service consumer	As a developer user, I want to send large binary data over SOAP using Transmission Optimization Mechanism (MOTM) in WS-Consumer so that SOAP binding optimizes the transmission and/or wire format of a SOAP message.
Upgraded Web Service stack in web service Provider	Upgraded to web service stack and support all existing functionality in Ws-Provider. Note: This upgrade will provide base for SOAP 1.2 & other latest WS-specification.

SOAP 1.2 support in web service Provider	Implemented SOAP V 1.2 specification for WS-provider to take advantage of Interoperability fixes, "XML Information Set" support (for compression, optimization & other performance gain) and flexibility for transport protocol options.
MTOM support in web service Provider	Ws-provider shall support MTOM. SOAP Message Transmission Optimization Mechanism (MOTM) enables SOAP bindings to optimize the transmission and/or wire format of a SOAP message. It helps sending large binary data more efficiently.
REST Configuration WS-Provider	As a developer, I want GUI interface to publish my process flow as REST style web service. It must support binary data transfer.
REST Configuration WS-Consumer	As a developer, I want GUI interface to configure service to consume/invoke REST style web service. It must support binary data transfer.
Mapping	
Base64Encoding function in Data Mapper	As Developer, I want to use Base64Encoding function in Data Mapper that can take file path as input & Encoded its data to a Base64 string. This output string can be mapped to target element of type base64. This can be used in web service to send binary data using MTOM.
JRE 1.7 support in Data Mapper and other applets	Now Data Mapper and other applets can be opened with JRE 1.7.
PD and PE	
Signed PD and all other applets with Adeptia Certificate.	Signed PD and all other applets with Adeptia Inc. certificate. Now while opening any applets, Adeptia Inc. will be displayed in publisher name. **Before opening any 5.3 applet, you need to clear Java cache on the client machines, from where you will access the applets.** To know how to clear Java cache, visit the following URL: http://www.adeptia.com/cgi-local/forum/Blah.pl?,b=PD,v=display,m=1287658569,s=0,highlight=JavaCache#num0
In PD properties allow copy of ID of activity.	As a developer, I want to copy the ID of the activity from activity property in PD so that I can search it in Manage page.
JRE 1.7 support in Process Modeler and Process Designer applet	Now Process Designer can be opened with JRE 1.7.
Clustering	
Fix for split brain problem	In Clustering there is possibility where due to network break, each nodes assumes that other nodes are dead and every node becomes a primary server. This is split brain problem. Adeptia clustering now have ability to avoid any data integrity loss or corruption and is able to recover from it.

Support one central license file for all nodes in cluster	When I configure Adeptia suite in for clustering, I want to configure a shared folder for License file that will be used by all nodes in cluster so that I need not update license at many places.
Integration of standalone clean-up & Archival utility with Adeptia Suite	The standalone utility for clean-up & archival shall be invoked from Adeptia Suite. It shall be invoked from Primary node in case of cluster. This ensures that clean-up & archival happen in separate JVM and does not affect Adeptia suite performance and in clustering it does not disturb data integrity.
B2B Integration	
Pagination on Interchange Log for ALL and EDI X12 data format options	As a support user, I want to view B2B Interchange Log ALL and EDI X12 screens with pagination so that it loads quickly & efficiently.
Re-Process support for File and FTP source	Re-Process support for File and FTP source
Events	
Complex Event support	As a developer & admin user I want to define complex event where one can use custom logic that will be executed on every polling and the custom logic will decide when event shall trigger process & pass process flow ID & context variables to event so that custom event scenarios can be implemented.
General	
System level configuration for character set encoding	As a developer user I would like to configure character set encoding to UTF-8 or any other at the application level. Currently by default the character set is set to ISO-8859-1.
Re-usability improvement for custom-plugin.	When I create a custom-plugin, I want to define input variables separately in GUI & not part of code so that when I re-use custom plugin for different input variables, I only need to change input variables and save as new instance without modifying any code. This will allow user to use custom-plugin without understanding the code.
Support to view archive logs from separate archive database	Standalone utility for clean-up & archival can archive data in separate database from Log database. Log GUI must support this separate database to view logs from archive.
Create PID file for kernel & web runner to Monitor fault [UP/down]	As support engineer I want that Kernel & web runner shall create their respective PID files as they start so that I can monitor if kernel & web runner are up or down from my monitoring tool.
Dynamic class loading for custom classes.	As a developer user, I want to deploy custom plug-in changes without stopping the Adeptia Suite so that I can avoid the down time for my production server. I shall be able to deploy custom plug-in changes through migration utility. For this a third party application J-Rebel is used.
Include Oracle driver(ojdbc5) jar & Microsoft SQL driver(sqljdbc4.jar)	As a developer user, I want Oracle driver jar & Microsoft driver included in the Adeptia suite and migration utility so that I need not to download them.

Support Fault & Performance Monitoring Interface for central IT infrastructure Monitoring Tool	As a support engineer, I want an HTTP interface within Adeptia that return Fault and monitoring parameters of Adeptia Server like: - JVM Memory: initial, used, committed and max memory for web-runner & Kernel node - Garbage collection: Number of collection, time per collection - Threads: peak, live thread, deadlock thread. - Log Database : Status (connected/not connected), Database response time for select Query and Number of connections used - Backend Database: Status (connected/not connected), Database response time for select query and Number of connections used - Node connectivity status & type
Log and Data retention time must be separate.	As a user I want to keep my data retention time low but Log retention high so I want separate configuration. Now it supports to define different cleanup time for Data and log cleanup.
JRE 1.7 support in system monitoring applet	JRE 1.7 support in system monitoring applet
JRE 1.7 support in dashboard applet	JRE 1.7 support in dashboard applet
Defect Fixes (5.3)	**Description**
Web service	
Support time-out for RPC style web service	User shall be able to define time-out for RPC style web service consumer. In case service does not respond during that time, consumer will be disconnect and throw time out error.
2 character Keystore password not supported	Minimum password length of 4 characters is enforced by Adeptia, but P12 files may also have shorted password lengths.
Mapping	
Mapper shall load "elementFormDefault=qualified" and "elementFormDefault=unqualified" schemas	Mapper shall correctly load schema from XSD that have "elementFormDefault=unqualified". Currently when we load such XSD we add name space from parent to its all child elements. This behaviour is only valid for "elementFormDefault=qualified".

Same name for local, group & global template and group and global value map allowed	When I create a local template with same name as global template, I want mapper to give warning and not save it. Currently in mapper we can save template at local and global level with same.
Increased the Duplicate Node limit from 50 to 300	There is restriction of Duplicate Node (50). This restriction needs to be removed as Node can be duplicated more than 300 times also.
Data Mapping gives error with target as context schema	Data Mapping Activity gets failed when "Target Schema" is context schema and there is no output generated (i.e. no value need to be set in context).
Split Number of Records configuration is not persisted	When using the Quick Splitting option, Data Mapping Utility automatically sets the number of split records to 50, now if reopen the Mapping Utility and save anything, the Split Number of Records value automatically reverts to 50.
PD and PE	
End event property name is "End Process" though it is used for attaching notification	As a developer user, When I right click on the End Event and select properties in the bottom panel, I want to see "Attach Notification" since we are attaching notification if select true. Currently I see "End Process".
Clustering	
Monitoring applet not getting open from any node when any node in cluster is down.	Monitoring applet not getting open from any node when any node in cluster is down.
B2B Integration	
For Outbound source File name shall be coming in interchange log for EDI X12 and EDIFACT	As a support user I want to see Outbound source File name in Interchange log for EDI X12 and EDIFACT so that in case of error I know the file name.
Links (Edit, Delete..) get disabled for Inbound and outbound relationships for EDI and non EDI	In case of Inbound or outbound relationships for EDI or non EDI when we edit any relationship and click on Cancel button then all the Links (Edit, Delete, Revision, Dependencies) on the Relationship manage GUI get disabled for that particular relationship.
If Outbound flow fails at the target activity then no Mail notification is sent.	If Outbound flow fails at the target activity then no Mail notification is sent and error displayed on the Interchange log page in not correct.
EDI Schema Test error	If EDI file name contains + character, a blank window is displayed when test this EDI file in EDI schema.
Events	

Mail Event: Support for more than 3 characters in the Generic Top Level Domain(GTLD)	In Mail event I want to use more than 3 characters in the Generic Top Level Domain (GTLD) in sender email address. Currently it only supports 3 characters, for example email@adeptia.local not supported but for example email@adeptia.com is supported.
Email id of sender is not set in the context.	When Sender Id of Mail Source or Mail Event, is not defined as the search criteria, then email id of sender is not set in the context.
Schema	
Make Primary Key and Foreign Key text area editable in advance database and database schema activity.	Make Primary Key and Foreign Key text area editable in advance database and database schema activity.
Transport	
Database Source fails with Database event.	The database source gets failed with null error, when Event Context Enable is true and process flow is bound with the Database Event and Database Event is triggered with the SQL Trigger option.
Stored Procedure activity not created with MySQL database	If we create Stored Procedure with MySQL database then on clicking browse Stored Procedures button, "Database doesn't have any schema "message is displayed.
Error in Database Target, when Identity column is used as Primary Key.	When identity is used as a column to update values at the database target end then all the values get updated at the target side instead of a single value.
General	
In Log file some log statements has time printed two times (Adeptia Support Case #00001468)	In Log file, I want to see time printed once in all the log statement. Currently some log statement has time printed two times, one in 24 hour format and another in 12 hour format. That is causing my log parser to fail.
Kernel Application log file display blank entries	On the Kernel Application log file blank entries are displayed only with date and time.
Context Info file does not get deleted.	When PF Repository Retention is defined as Delete On Success, the repository is not deleted the Context Info remains in the repository folder for the respective flow.
Event Monitor and Solution Monitor GUI is slow	The Event Monitor and Solution Monitor take too much time to load the data when there are large numbers of records in the log tables.
Reference: Adeptia Support Case #00001486	Error Message from custom plug-in are not intuitive as all the custom plugin code is put into error message.

Following table contains the list of bugs which are fixed, and the enhancements done in the patch. This list also contains the hot fixes. Hot fixes are fixes for those issues which were reported by users and the fixes were given in the different maintenance patches.

Enhancement (5.2 SP1)	Description
Support for WS- Address in Web Service Consumer	In WS Consumer request, WS-address can be sent. It can be get from process flow context also.
Support for WS-Address 1.1 in web service provider	A published web service in Adeptia shall be able to generate web service response with WS-Address headers. It can be fetched from process flow context.
Support to create Web Service Provider by uploading WSDL file.	Support is added to create Web Service provider by uploading any WSDL file.
Support in Web Service Provider to bind all operations to single process flow	An option is added in Web Service (when created by uploading WSDL), where you can bind all operations with single process flow or you can select different process flow for each operation.
Support is added to override SOAP action in Web Service consumer	Support is added to override the SOAP action in Web Service consumer at runtime from process flow context.
Support to create different WS consumer with same WSDL	Creating a WS Consumer using webservice.wsdl, then creating another webservice with a different webservice.wsdl overwrites the original webservice.wsdl. This issue is fixed now.
Configure namespace prefix loaded from source/Target XSD in Data Mapper	Support is added to modifying namespace prefix that are loaded from source/Target XSD in Data Mapper. Earlier you can only modify namespace prefix where they are not defined in XSD.
Adding namespace on attributes made optional	Earlier when you add a namespace on parent element in mapping, it gets added to all child element including attributes also. Now adding namespace to attributes made optional.
Support to display error records in Inbound/Outbound EDI processing if error records are generated.	When processing EDI Inbound file, if Target database or Schema generate error records then B2Bi Interchange log displays error and email notification is sent to configured user. In case of outbound processing, if error is generated by source schema, then B2Bi interchange log displays the error and email notification is sent to the configured user.

UNA segment is not added in outbound EDIFACT file for default delimiters	When processing EDI Outbound file, if delimiters used are default, UNA segment is not added in outbound EDIFACT file
Deadlock issue fixed while processing large number of EDI files concurrently.	When processing EDI file if large number of files are processed concurrently then EDI log database throws dead lock error. Now this issue is fixed.
Log data optimization to improve run time performance	Log database is optimized to improve process flow execution –performance.
Schema Name dependency removed	Dependency of Schema Name in Adv. DB Schema has been removed. For detailed information about this feature, refer to *Advanced DB Schema Definition Version 2.0 Usage Guide.*
Fix for UNH02 is not coming in schema	Hierarchy of UNH02 in not coming correctly in schema output in case of EDIFACT inbound flow.
Support for space in UNB Segment	Support is added to allow space in UNB Segment of EDIFACT
Removed the validation from Test functionality of text schema.	Removed the validation that while testing the files using test schema, input file should have extension .txt.
Support for Silent Patch Deployment	In Migration Utility, support is added to apply the patch silently. While applying the patch, you only need to give the location where Adeptia Suite is installed.
Support to migrate WS Provider along with Process Flow	In migration utility support is added to migrate the WS Provider, when any Process flow is migrated using Environment Promotion option.
Hot fixes	**Description**
Support for extension element in case of optimized loading	Optimized loading is used to load recursive XSD on demand to avoid infinite loop. Now optimized loading can be used for XSD with extension element (extended from other complex types).
Unique intermediate context xml file for each mapping	When running multiple instances of the process at the same time, it sometimes occurs that the Context Schema contains values from a completely different process instance that was running at the same time. This issue is fixed.

EDI Inbound flow aborts while re-conciling 997 message	EDI Inbound flow aborts while re-conciling 997 message, even though the 997 message is re-conciled.
Call notification for error only	EDI solution process flow is updated to call Notification Sub-flow only in case of error.
Queue Processor fix: Queued Process flow not fired.	Sometime Process flows remain in queue, even if there is no running process flows.
Data Mapping with context schema not saving in Oracle	When Oracle is used as backend and context schema is used in data mapper, then mapping activity gives error while saving.
In data mapper, Support is added for sub extension	In data mapper, Support is added for sub extension (Extension element extended from other extension element) element.
Adv. Database source with null column value aborting	If source database columns have null value then process flow aborts with null pointer exception.
FTP Connection not terminating for "OnFileCreated" option in FTP Event	When FTP event is configured with OnFileCreate option, then connection with the FTP Server doesn't get terminated even after file is transferred.
FTP Event not connecting with Win SSH FTP server	In case FTP Event is used to connect to Win SSH FTP server, then connection could not be established because the GSSAPI used by FTP Event is not supported by WIN SSH FTP Server.
File & FTP event does not trigger for first file	After activating event when you drop first file, event does not trigger process flow.
WS-Provider to publish web service on https	Support is added to publish WS-provider https. If user select Security policy with SSL enabled, then WS-Provider creates a WSDL with https end point
FTP & LAN Target shall not auto create Folder.	FTP (Secured) and LAN Target (With VFS) shall not create Folder if not created already. A new property abpm.target.createFolder is added under Administer > Setup > Application Settings > Update System Properties > Services > Target Property. By default it is set as 'yes'. When this property is set as yes, a new folder will be created by FTP Target and LAN File target in case the target folder doesn't exist. If this property is set to 'no', PF will abort in case the target folder doesn't exist.
Retry in delete on Success	Sometime File is not deleted if "delete on success" is enabled when concurrency is high. The error will

	be logged and deletion is retried.
WS-Provider adding extra name space	If XSD is used to define XML schema does not have any namespace and this schema is used for WS Provider then WS-Provider adds name space to Schema when adding this to WSDL. Web service request comes with namespace but Mapping expect it without namespace
Handel single quote in the Value Map	If in the Value Map a value pair has a single quote and if the value map is shared globally then the error comes up in ALL process flows that have any mapping both in design time and run time because XSL becomes invalid.
Support for file pattern in B2B Non EDI solution	For Non-EDI B2B processing target file pattern is not used.
Defect 259	In case Ack is yes then error message must go to "Log Message" on Interchange Log.
Defect 320	In case of content base routing, sometime the log message gets swapped in B2B > All log page.
Defect 243	For EDIFACT D96A, EDI Schema Test button displays an error for the Target.xml file. And IndexOutOfBoundsException is displayed on the Webrunner.
Defect 244	The EDIFACT Schema is not displayed in the data Viewer. And an IndexOutOfBoundsException is displayed on the webrunner when Preview the attached file.
Defect 256	When FTP target is used in the inbound relationship, the target file name is picked up from the selected FTP target activity while target name is defined in the inbound relationship
Defect 246	The Transaction sets remains in the Queued status after trigger the calendar event while, Assigned code value is defined in the outbound relationship and Batch mode is Yes.
Log and Data Archival shall be optional	Log and Data Archival always runs at time of cleanup. Now this feature is configurable and it is disabled by default.

Data Interface defect	If Adv Database if New/Edit is done from Data Interface, then Browse button for Table browsing does not work in the schema screen.
Data Interface defect	In Data Interface Processing if there are error records in target activity, It is not creating error file. Now error records are displayed in Data Interface monitoring page.
FTP Target created 0 byte excel file in X12 inbound processing	In case FTP Target is used in X12 in bound processing and target file is an excel file, then 0 byte is created.
EDI X12 File has data element separator in the segment end	Data element separator get added in the segment end for empty data elements In EDI X12
Support to use source file name in target file name, in Non EDI processing.	While using Non EDI processing, now you can you use the file name of source file, the target file name. For this you need to define $$baseInputFileName$$ in the **File Name** field of File Target and FTP Target activities.
File Name Pattern issue in File & FTP Target	File Name Pattern in File & FTP Target giving error when a variable is given as file name.
Invalid Outbound Relationship being used	Invalid relationship is being picked up by EDI outbound flow when content based routing is enabled and all the outbound relationships have same value for the appID.
Support to ignore blank record.	Support to ignore blank record in Text, Adv. Text, Positional and Adv. Positional Schema.
Specified separator not found error in Adv. Txt Schema	In Adv. Text Schema, if two segment identifiers have similar initial alphabets (e.g. SALH and SAL), "Separator not found" error is displayed.
Fix for record identifier in Advanced Positional Schema	In case length of a record identifier value is less than the length of any other record identifier value then error records are created with "String index out of bound" exception. This issue is fixed.
Incorrect output file name, in case of content base routing.	For content based routing, in outbound files the name is picked up from one relationship only. Ideally for each file name shall be picked from its respective outbound relationship. This issue has been fixed.
GS07 in outbound relationship is made editable	As Per the UCS standards documentation, the value in the GS07 (Responsible Agency code)

	should be T instead of X. In Adeptia Outbound Relationship it is X and not editable. Now this field is made editable.
EDI logs is being archived, even if archival is disabled	EDI log is being archived, even if log archival is being disabled. This issue is now fixed.
Values passed to spawned flow through context is not correct	Fixed the issue of SPAWN action in a loop where sometimes the value passed to spawned flow through context is not correct.
During outbound EDI message generation the process CP_SplitXML fails	Added namespace support for EDI outbound data source. Currently the support is in only Non EDI.
During outbound EDI message generation the process CP_SplitXML fails	Splitter xpath problem for advance DB where a particular xpath is causing wrong data to be picked up by the xquery in CP_SplitXML plugin in the EDIOutbound flow.
Support for Log file creation for Non EDI	For non EDI Processing support is added to create log file, which contains the status and the target file name.
Spaces are trimmed in X12 output file.	Trailing spaces are trimmed by EDI Schema while creating outbound X12 file. Now this issue is fixed.
Support for * in Record identifier Value in Adv. Positional Schema	Now * is supported in Record Identifier field for Adv. Positional Schema.
Support for Single field in Text Schema	In case there is only one field is there in the test file, the text schema still searches for the field separator. Now this issue id fixed.
Fix for Text and Clob Data type in DB Schema and Adv. DB Schema	If in the PostgreSQL database, any column is of data type 'text' and has no value in it, then Database Source and Adv. Database Source fail with null pointer exception. This issue also comes in case of Oracle database, if the data type of column is 'CLOB' and has no value in it. Now this issue is fixed.

About Adeptia Inc.

Adeptia, an enterprise software company headquartered in Chicago, Illinois, provides a business process integration technology to easily and quickly automate business processes using industry-specific standards. Adeptia's unique product combines business process management with business-to-business integration. Adeptia's reusable and highly scalable technology has been deployed by Fortune 1000 companies. For more information, visit www.adeptia.com .

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