

WPC Migration User Guide

Table of Contents

WPC 5.2.1.1 Migration User Guide.....	1
1. Introduction.....	5
2. Migration from WPC 5.0.0.x to 5.2.1.1	5
2.1. Pre-requisites.....	5
2.2. Migration Steps.....	5
2.3. Script Functionality.....	6
2.4. Script Operation Changes	6
2.4.1. GDS Specific Operations	6
2.4.1.1. GDS AustinNode Operations	6
2.4.1.2. Notification Operations	7
2.4.1.3. TradeItem Operations	7
2.4.1.4. TradeItem Link Operations	8
2.4.1.5. Trading Partner Operations	8
2.4.1.6. Transaction Operations	8
2.4.1.7. Validation Operations.....	8
2.4.2. Other Operations	9
2.4.2.1. Admin Operations	9
2.4.2.2. Basic Operations.....	9
2.4.2.3. Bidi Operations	9
2.4.2.4. Currency Operations.....	9
2.4.2.5. Date Operations	9
2.4.2.6. Db Operations.....	10
2.4.2.7. Excel Operations.....	10
2.4.2.8. Library Operations	11
2.4.2.9. Number Operations.....	11
2.4.2.10. Other Operations	12
2.4.2.11. Page Layout Operations	12
2.4.2.12. Re Operations	12
2.4.2.13. Reader Operations	12
2.4.2.14. Reflect Operations.....	12
2.4.2.15. Scripting Operations.....	12
2.4.2.16. Security Operations.....	12
2.4.2.17. Set Operations.....	13
2.4.2.18. String Operations	13
2.4.2.19. System Operations.....	13
2.4.2.20. TimeZone Operations.....	13
2.4.2.21. Writer Operations	13
2.4.2.22. Zip Operations	13
2.4.2.23. Zip Archive Operations	13
2.4.2.24. Distribution Operations	13
2.4.2.25. Import Operations.....	13

2.4.2.26.	<i>JMS Operations</i>	14
2.4.2.27.	<i>MQ Operations</i>	14
2.4.2.28.	<i>Queue Manager Operations</i>	14
2.4.2.29.	<i>UCCNet Operations</i>	14
2.4.2.30.	<i>WebService Operations</i>	14
2.4.2.31.	<i>Catalog Operations</i>	14
2.4.2.32.	<i>Category Operations</i>	14
2.4.2.33.	<i>Entry Operations</i>	14
2.4.2.34.	<i>Inheritance Operations</i>	14
2.4.2.35.	<i>Item Operations</i>	14
2.4.2.36.	<i>Lookup Operations</i>	15
2.4.2.37.	<i>Locale Operations</i>	15
2.4.2.38.	<i>User Defined Log Operations</i>	15
2.4.2.39.	<i>DocStore Operations</i>	15
2.4.2.40.	<i>AttributeGroup Operations</i>	15
2.4.2.41.	<i>MutableSpec Operations</i>	16
2.4.2.42.	<i>Spec Operations</i>	16
2.4.2.43.	<i>SpecMap Operations</i>	16
2.4.2.44.	<i>Worklist Operations</i>	16
2.4.2.45.	<i>Export Operations</i>	16
2.4.2.46.	<i>Import Operations</i>	16
2.4.2.47.	<i>Perf Operations</i>	16
2.4.2.48.	<i>Widget Operations</i>	16
2.4.2.49.	<i>Report Operations</i>	16
2.4.2.50.	<i>Scheduler Operations</i>	16
2.4.2.51.	<i>Soap Operations</i>	17
2.4.2.52.	<i>Collaboration Area Operations</i>	17
2.4.2.53.	<i>WorkFlow Operations</i>	17
2.4.2.54.	<i>WorkFlow Step Operations</i>	18
3.	Migration from WPC 5.1.1 to 5.2.1.1	18
3.1.	Prerequisites.....	19
3.2.	Script Description	19
3.3.	LDAP Migration.....	19
3.4.	Usage.....	20
3.5.	Script Operation Changes	20
3.5.1.	GDS Specific Operations	20
3.5.1.1.	<i>GDS AustinNode Operations</i>	20
3.5.1.2.	<i>Notification Operations</i>	21
3.5.1.3.	<i>TradeItem Operations</i>	21
3.5.1.4.	<i>TradeItem Link Operations</i>	22
3.5.1.5.	<i>Trading Partner Operations</i>	22
3.5.1.6.	<i>Transaction Operations</i>	22
3.5.1.7.	<i>Messaging Operations</i>	22
3.5.1.8.	<i>Validation Operations</i>	22
3.5.2.	Other Operations	23
3.5.2.1.	<i>Admin Operations</i>	23

3.5.2.2.	<i>Basic Operations</i>	23
3.5.2.3.	<i>Bidi Operations</i>	23
3.5.2.4.	<i>Currency Operations</i>	23
3.5.2.5.	<i>Date Operations</i>	23
3.5.2.6.	<i>Db Operations</i>	24
3.5.2.7.	<i>Excel Operations</i>	24
3.5.2.8.	<i>Library Operations</i>	25
3.5.2.9.	<i>Math Operations</i>	25
3.5.2.10.	<i>Number Operations</i>	25
3.5.2.11.	<i>Other Operations</i>	26
3.5.2.12.	<i>Page Layout Operations</i>	26
3.5.2.13.	<i>Re operations</i>	26
3.5.2.14.	<i>Reader operations</i>	26
3.5.2.15.	<i>Reflect Operations</i>	26
3.5.2.16.	<i>Script Operations</i>	26
3.5.2.17.	<i>Security Operations</i>	26
3.5.2.18.	<i>Set Operations</i>	27
3.5.2.19.	<i>String Operations</i>	27
3.5.2.20.	<i>System Operations</i>	27
3.5.2.21.	<i>TimeZone Operations</i>	27
3.5.2.22.	<i>Writer Operations</i>	27
3.5.2.23.	<i>Zip Operations</i>	27
3.5.2.24.	<i>Zip Archive Operations</i>	27
3.5.2.25.	<i>Distribution Operations</i>	27
3.5.2.26.	<i>Import Operations</i>	27
3.5.2.27.	<i>JMS operations</i>	27
3.5.2.28.	<i>MQ operations</i>	27
3.5.2.29.	<i>Queue Manager operations</i>	28
3.5.2.30.	<i>UCC Net Operations</i>	28
3.5.2.31.	<i>Webservices Operations</i>	28
3.5.2.32.	<i>Catalog Operations</i>	28
3.5.2.33.	<i>Category Operations</i>	28
3.5.2.34.	<i>Entry Operations</i>	28
3.5.2.35.	<i>Inheritance operations</i>	28
3.5.2.36.	<i>Item Operations</i>	28
3.5.2.37.	<i>Lookup Operations</i>	29
3.5.2.38.	<i>Locale Operations</i>	29
3.5.2.39.	<i>User Defined Log Operations</i>	29
3.5.2.40.	<i>Docstore Operations</i>	29
3.5.2.41.	<i>Attr group operations</i>	29
3.5.2.42.	<i>Spec Operations</i>	29
3.5.2.43.	<i>Spec Map Operations</i>	29
3.5.2.44.	<i>Worklist Operations</i>	30
3.5.2.45.	<i>Export Operations</i>	30
3.5.2.46.	<i>Perf Operations</i>	30
3.5.2.47.	<i>Widget Operations</i>	30

3.5.2.48.	Report <i>Operations</i>	30
3.5.2.49.	<i>Scheduler</i> Operations	30
3.5.2.50.	Soap <i>Operations</i>	30
3.5.2.51.	<i>Collaboration Area</i> Operations.....	30
3.5.2.52.	Workflow Operations	31
3.5.2.53.	<i>Workflow Step</i> Operations	32
3.5.2.54.	' <i>Operations</i> ' Operations	32
3.6.	Locale Specific Changes	32

1. Introduction

This document contains information on how to migrate from to WPC 5.2.1.1 from WPC 5.0.0.x or WPC 5.1.1 tracks. Migration is facilitated by a shell script, which invokes SQL files for performing changes in the schema.

2. Migration from WPC 5.0.0.x to 5.2.1.1

Migration from WPC 5.0.0.x to 5.2.1.1 is done by executing the script `$TOP/bin/migrate500xto5211.sh` from the prompt.

2.1. Pre-requisites

This script would cause permanent changes to the database schema. Since the changes are irreversible, taking a backup of the database schema used by WPC is recommended. Running the script sends out the following prompt for user action to ensure the above:

Do you want to continue (y/n)?

The script asks for one more confirmation:

Have you taken a backup of the database (y/n)?

Note: If the user enters any character other than 'y' for either question, the script would exit since the user has chosen not to proceed.

2.2. Migration Steps

For a user having an instance of WPC 5.0.0.4, the steps to be performed to migrate to 5.2.1.x are as follows:

- Stop the instance.
- Deploy WPC 5.2.1 GA
- Deploy WPC 5.2.1 IF002 patch or later
- Make changes to `common.properties` in 5.2.1.x. Make it point to the 5.0.0.x schema.
- Run `$TOP/bin/test_db.sh` to confirm successful database connectivity via command line.
- Run `$TOP/bin/test_java_db.sh` to confirm successful database connectivity via JDBC
- Run the migration script `$TOP/bin/migrate500xto5211.sh`

2.3. Script Functionality

The script would do the following changes to database schema

- a) Add three new columns to the TSEC_SCU_USER table: SCU_LDAP_FLAG, SCU_LDAP_ENTRY_DN and SCU_LDAP_SVR_URL. Provides default value 'N' to SCU_LDAP_FLAG.
- b) Increase the length of SCU_USERNAME column in TSEC_SCU_USER table from 20 to 400
- c) Adds column WBS_STYLE to TWBS_WBS_WEBSERVICE table and provides it a default value RPC_ENCODED.
- d) Create sequence WBS_SEQUENCE_ID
- e) Create an index on QUE_ID column of TEVT_QUE_QUEUE table
- f) Create an index on ICM_ITEM_ID, ICM_VERSION_ID, ICM_NEXT_VERSION_ID, ICM_COMPANY_ID columns of TCTG_ICM_ITEM_CATEGORY_MAP table.

WPC 5.2.1.1 uses “script_id=<scriptid>” format in the URL to display a custom tool at startup whereas WPC 5.0.0.x uses “script_name=<scriptName>” format. To handle this change, the script invokes an SQL Update statement. The UST_VALUE column of the TSEC_UST_USER_SETTING table is used in the formation of the URL. The SQL statement sets the UST_VALUE to the script id after getting the script id from the DHI_DOC_ID column of TDOC_DHI_DOC_HIERARCHY table.

2.4. Script Operation Changes

Some script operations have changed between 5.0.0.4 and 5.2.1.1. Hence all script files need to be revisited. Below is a listing of differences in script operations in 5.0.0.4 and 5.2.1.1. Please pay close attention to script operations, which have been removed in 5.2.1.1. Some script operations that are marked as “Modified” accept additional arguments optionally and are backward compatible. They are marked with an “a” in the table.

2.4.1. GDS Specific Operations

The following GDS Specific Operations have been removed in WPC version 5.2.1.1

2.4.1.1. GDS AustinNode Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new GDSXMLDocument	x		
getGDSXMLNodeValue	x		
setGDSXMLNodeValue	x		
getGDSXMLNodeName	x		
getXMLNodePath	x		
getGDSXMLNode	x		
addXMLNode	x		

removeXMLNode	x		
getXMLNode	x		
cloneXMLNode	x		
setValue	x		
getGDSXMLNodes	x		
removeAustinNodes	x		
getXMLString	x		
getGDSXMLNodeFromXMLNode	x		

2.4.1.2. Notification Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
createNotification	x		

2.4.1.3. TradeItem Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
New TradeItemSS	x		
getTradeItemSS	x		
setTradeItemAttributesSS	x		
setTradeItemAttributeSS	x		
getTradeItemAttributeValueSS	x		
toBoolean	x		
validateGTIN	x		
validateGLN	x		
getCategory	x		
getGTINTree	x		
addChild	x		
removeChild	x		
saveTradeItemSS	x		
searchTradeItems	x		
getTradeItemParentLinks	x		
getTradeItemChildLinks	x		
getModifiedTradeItems	x		
getItems	x		
setUDEXCategoryCode	x		
setInternalCategoryCode	x		
validateTradeItem	x		
validateTradeItemAttribute	x		
validateTradeItemAttributeGroup	x		
new TradeItemDS	x		
getTradeItemDS	x		
setTradeItemAttributesDS	x		
setTradeItemAttributeDS	x		
getTradeItemAttributeValueDS	x		
saveTradeItemDS	x		

getAllTradeItemAttributes	x		
searchTradeItemsDS	x		
deleteTMIPVariant	x		
deleteGTIN	x		

2.4.1.4. TradeItem Link Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new TradeItemLink	x		
setLinkAttributes	x		
setLinkAttribute	x		
getTradeItemLink	x		
saveTradeItemLink	x		
getLinkAttributeValue	x		

2.4.1.5. Trading Partner Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new TradingPartner	x		
getTradingPartner	x		
setPartnerAttributes	x		
setPartnerAttribute	x		
saveTradingPartner	x		
searchTradingPartners	x		
getPartnerAttributeValue	x		

2.4.1.6. Transaction Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
createTransaction	x		

2.4.1.7. Validation Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new MessageValidationResult	x		
new TradeItemValidationResult	x		
new AttributeValidationResult	x		
new ValidationResultObject	x		
addValidationResult	x		
addValidationResultObject	x		
addTradeItemValidationResult	x		
addAttributeValidationResult	x		
getValidationResultObjectList	x		
getTradeItemValidationResultList	x		
getAttributeValidationResultList	x		
setValidationResultStatus	x		
getValidationResultStatus	x		

setValidationResultMessage	x		
getValidationResultMessage	x		
setValidationResultHolder	x		
getValidationResultHolder	x		
setValidationResultType	x		
getValidationResultType	x		
getTradeItemsInMsgItemDS	x		
getValidationResult	x		
getMessageTypeName	x		
getDataPoolNameForMsgItem	x		

2.4.2. Other Operations

2.4.2.1. Admin Operations

No changes

2.4.2.2. Basic Operations

No changes

2.4.2.3. Bidi Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
bidiTransform			x

2.4.2.4. Currency Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getCurrencySymbolByCode			x
getCurrencyDescByCode			x
getCompanyCurrencies			x
setCompanyCurrencies			x
getAllCurrencies			x

2.4.2.5. Date Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new Date		a	
formatDate		a	
reformatDate		a	
getDateTimeInUserTimeZone			x
getDateInputFormat			x

getDateOutputFormat			x
setDateInputFormat			x
setDateOutputFormat			x

2.4.2.6. Db Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getWPCDBContext			x
getWPCDBConnection			x
releaseWPCDBConnection			x
openJDBCConnection			x
releaseJDBCConnection			x
loadJar			x
Commit			x
Rollback			x
executeQuery			x
executeUpdate			x
executeBatchUpdate			x
next			x
getColumn			x
getColumnAt			x

2.4.2.7. Excel Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new ExcelBook			x
saveToDocStore			x
createExcelSheet			x
createExcelCellStyle			x
createFont			x
createRow			x
getExcelSheets			x
getExcelSheet			x
getExcelCell			x
getNbRows			x
getNbColumns			x
new ExcelParser			x
getFirstRowNum			x
getLastRowNum			x
getExcelRow			x
createExcelCell			x
getFirstCellNum			x
getLastCellNum			x
getCellObj			x
setCellType			x

setDateCellValue			X
setNumericCellValue			X
setStringCellValue			X
setExcelStyle			X
getExcelCellType			X
getDateCellValue			X
getNumericCellValue			X
getStringCellValue			X
getExcelCellEncoding			X
setFillForegroundColor			X
setFont			X
setFillBackgroundColor			X
setFillPattern			X
setIndention			X
setAlignment			X
setVerticalAlignment			X
setBorderLeft			X
setBorderRight			X
setBorderTop			X
setBorderBottom			X
setWrapText			X
setLeftBorderColor			X
setRightBorderColor			X
setTopBorderColor			X
setBottomBorderColor			X
setDataFormat			X
setFontName			X
setFontHeight			X
setItalic			X
setBoldWeight			X
setUnderline			X
setStrikeout			X
setColor			X
getDateFromDoubleValue			X

2.4.2.8. Library Operations

No changes

2.4.2.9. Number Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
formatNumberByPrecision			X
formatNumberByLocPrecision			X
parseDouble			X

parseNumber			X
formatNumber			X

2.4.2.10. Other Operations

No changes

2.4.2.11. Page Layout Operations

No changes

2.4.2.12. Re Operations

No changes

2.4.2.13. Reader Operations

No changes

2.4.2.14. Reflect Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
createJavaConstructor			X
runJavaConstructor			X
createJavaMethod			X
runJavaMethod			X
createJavaArray			X

2.4.2.15. Scripting Operations

No changes

2.4.2.16. Security Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
createUser		a	
getUsers			X
getUserLdapEnabled			X
setUserLdapEnabled			X
authenticateWPCUser			X
getLdapEntryDn			X
getLdapServerUrl			X
setLdapEntryDn			X
setLdapServerUrl			X
setUserName			X

populateSecurityContext			x
-------------------------	--	--	---

2.4.2.17. Set Operations

No changes

2.4.2.18. String Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
escapeForHTML		a	

2.4.2.19. System Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
startTransaction			x

2.4.2.20. TimeZone Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getUserTimeZoneDesc			x
getUserTimeZoneOffset			x
setUserTimeZone			x
getTimeZoneDesc			x
parseTimeZoneToDBValue			x
getTimeZoneOffsetFromDBValue			x

2.4.2.21. Writer Operations

No changes

2.4.2.22. Zip Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
zip		a	

2.4.2.23. Zip Archive Operations

No changes

2.4.2.24. Distribution Operations

No changes

2.4.2.25. Import Operations

No changes

2.4.2.26. JMS Operations

No changes

2.4.2.27. MQ Operations

No changes

2.4.2.28. Queue Manager Operations

No changes

2.4.2.29. UCCNet Operations

No changes

2.4.2.30. WebService Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
createWebService		a	
getStyle			x
setStyle			x

2.4.2.31. Catalog Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getItemSetForUnassigned			x
resetAttributeGroupsToProcess			x

2.4.2.32. Category Operations

No changes

2.4.2.33. Entry Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
previewEntryAttrib			x
getEntryXMLRepresentation			x
setEntryAttributesFromXMLRepresentation			x

2.4.2.34. Inheritance Operations

No changes

2.4.2.35. Item Operations

Operation Name	Removed in	Modified in	New in

	5.2.1.1	5.2.1.1	5.2.1.1
getItemXMLRepresentation			x
setItemAttributesFromXMLRepresentation			x

2.4.2.36. Lookup Operations

No changes

2.4.2.37. Locale Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getSystemMessageById			x
getSystemMessageByName			x
getCustomMessage			x
getCompanyLocales			x
getDefaultACGName			x
getDefaultSpecName			x
getDefaultSpecNameAttribute			x
getDefaultSpecPathAttribute			x
getDefaultSpecDispNameAttribute			x
getDefaultOrgHierarchyName			x
getDefaultLktHierarchyName			x
getDefaultAttrCollectionName			x
getDefaultLocale			x
getDefaultCharset			x

2.4.2.38. User Defined Log Operations

No changes

2.4.2.39. DocStore Operations

No changes

2.4.2.40. AttributeGroup Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
addAttributeToAttrGroup		a	
getLocalesOfAttrGroup			x

Functions, which modify attribute groups, throw an exception in 5.2.1.1 if they are invoked on default generated attribute collections.

2.4.2.41. MutableSpec Operations

No changes

2.4.2.42. Spec Operations

No changes

2.4.2.43. SpecMap Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getMappings	x		

2.4.2.44. Worklist Operations

No changes

2.4.2.45. Export Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
setTypeToExport		a	
addObjectByNameToExport		a	
addAllObjectsToExport		a	

2.4.2.46. Import Operations

No changes

2.4.2.47. Perf Operations

No changes

2.4.2.48. Widget Operations

No changes

2.4.2.49. Report Operations

No changes

2.4.2.50. Scheduler Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
runJob			x

stopJob			x
queryJobStatus			x
queryJobCompletionPercentage			x

2.4.2.51. Soap Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
invokeSoapServerForDocLit			x

2.4.2.52. Collaboration Area Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getItemSubset			x
getColAreaId			x
getColAreaNamesForUser			x
getColAreaNamesForRole			x
getWflStepsForUser			x
getWflStepsForRole			x
getWflStepsXML			x
getWflStepsXMLByAttrValue			x
getItemsInStepByAttribute			x
getEntriesInfoXMLInStep			x
getItemsInStepBySelection			x

2.4.2.53. WorkFlow Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new TransactionHandler_DS	x		
insertTransaction_DS	x		
updateTransaction_DS	x		
new StatusUpdater_DS	x		
updateTradeItemGlobalStatus_DS	x		
updateTradeItemLocalStatus_DS	x		
updateStatus_DS	x		
new NotificationHandler_DS	x		
notifyUsersForAction_DS	x		
notifyUsersForActionWithStatus_DS	x		
new InternalSyncHandler	x		
synchronize	x		
new EnrichmentHandler	x		
canStartEnrichment	x		
startEnrichment	x		
new InitialLoadSaver	x		
saveInitLoadEntries	x		
sendAuthorizationMessage	x		

new MessageValidator	x		
checkInitLoadAndSetExitVal	x		
new CategoryMappingValidator	x		
verifyAndSetExitValues	x		
getTransactionDetails	x		
new TransactionHandler_SS	x		
insertTransaction_SS	x		
updateTransaction_SS	x		
new StatusUpdater_SS	x		
updateStatus_SS	x		
updateTradeItemGlobalStatus_SS	x		
updateTradeItemLocalStatus_SS	x		
new NotificationHandler_SS	x		
notifyUsersForAction_SS	x		
notifyUsersForActionWithStatus_SS	x		
commitDB	x		
new LinkHandler	x		
updateLinks	x		
new PathSelectionHandler	x		
selectAndSetPath	x		
new MultiMoveHandler	x		
moveEntries	x		
new MessageHandler	x		
sendMessage	x		
loadWF	x		
checkOutItem	x		
checkOutCategory	x		
new ChildCheckinHandler	x		
checkInChilds	x		
new TIAttrVerifier	x		
verifyAttrGroupsAndSetExitValues	x		
verifyAttrGroupAndSetExitValues	x		
createTestData	x		
runWFTest	x		
invokeWorkflow_SS			

2.4.2.54. WorkFlow Step Operations

No changes

3. Migration from WPC 5.1.1 to 5.2.1.1

Migration from WPC 5.1.1 to 5.2.1.1 is performed by executing the script `migrateto5211.sh` in `$STOP/bin` directory.

3.1. Prerequisites

This script causes permanent changes to the database schema. Hence since the change is irreversible, taking a backup of the database being migrated is recommended. Running the script sends out the following prompt for user action to ensure the above:

Do you want to continue? (y/n)

And asks one more confirmation:

Have you taken a backup of the database schema (y/n)?

Note: If the user clicks on N on either question, the script would exit since the user has chosen not to proceed.

3.2. Script Description

The script does the following:

- Increases the size of the SCU_USERNAME column to 400
- Adds 2 new columns to the TSEC_SCU_USER table :
SCU_LDAP_ENTRY_DN, SCU_LDAP_SVR_URL
- Adds a new column to the TUTL_JHB_JVM_HEARTBEAT table :
JHB_JVM_TYPE
- Populates default values to the 2 new columns in the TSEC_SCU_USER table
- LDAP users migration

3.3. LDAP Migration

For this LDAP migration, 3 arguments need to be provided to the script.

- ldap_url : the url of the LDAP server
- name_attribute : the naming attribute
- parent_dn : the parent DN

The script then does 2 things :

a) Updates the SCU_LDAP_ENTRY_DN column with a value computed as follows wherever the SCU_LDAP_FLAG column value is set to 'Y' :

```
<name_attribute>=<SCU_USERNAME>,<parent_dn>
```

where name_attribute and parent_dn values are supplied as arguments to the script and SCU_USERNAME is the username column in the TSEC_SCU_USER table

b) Updates the SCU_LDAP_SVR_URL column with the ldap_url

3.4. Usage

a) Just execute the migrateto5211.sh script from the command line

b) For LDAP users migration, execute the script with the arguments as mentioned in the previous section in the following manner:

```
migrateto5211.sh ldap_url name_attribute parent_dn
```

3.5. Script Operation Changes

Some script operations have changed between 5.1.1 and 5.2.1.1. Hence all script files need to be revisited. Below is a listing of differences in script operations in 5.1.1 and 5.2.1.1. Please pay close attention to script operations that have been removed in 5.2.1.1. Some script operations, which are marked as "Modified", accept additional arguments optionally and are backward compatible. They are marked with an “a” in the table.

3.5.1. GDS Specific Operations

The following GDS Specific Operations have been removed in WPC version 5.2.1.1

3.5.1.1. GDS AustinNode Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new GDSXMLDocument	x		
getGDSXMLNodeValue	x		
setGDSXMLNodeValue	x		
getGDSXMLNodeName	x		
getXMLNodePath	x		
getGDSXMLNode	x		
addXMLNode	x		
removeXMLNode	x		
getXMLNode	x		
cloneXMLNode	x		
setValue	x		
getGDSXMLNodes	x		
removeAustinNodes	x		
getXMLString	x		
getGDSXMLNodeFromXMLNode	x		

3.5.1.2. Notification Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
createNotification	x		

3.5.1.3. TradeItem Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
New TradeItemSS	x		
getTradeItemSS	x		
setTradeItemAttributesSS	x		
setTradeItemAttributeSS	x		
getTradeItemAttributeValueSS	x		
toBoolean	x		
validateGTIN	x		
validateGLN	x		
getCategory	x		
getGTINTree	x		
addChild	x		
removeChild	x		
saveTradeItemSS	x		
searchTradeItems	x		
getTradeItemParentLinks	x		
getTradeItemChildLinks	x		
getModifiedTradeItems	x		
getItems	x		
setUDEXCategoryCode	x		
setInternalCategoryCode	x		
validateTradeItem	x		
validateTradeItemAttribute	x		
validateTradeItemAttributeGroup	x		
new TradeItemDS	x		
getTradeItemDS	x		
setTradeItemAttributesDS	x		
setTradeItemAttributeDS	x		
getTradeItemAttributeValueDS	x		
saveTradeItemDS	x		
getAllTradeItemAttributes	x		
searchTradeItemsDS	x		
deleteTMIPVariant	x		
deleteGTIN	x		
getExchangeSpecificAttribute	x		
isTradeItemCheckedOut	x		
getWWREExchangeSpecificAttribute	x		
isWWREInteroperable	x		
addItem_SS	x		

synchronizeItemChanges_SS	x		
publishNewItem_SS	x		
sendInitialLoad	x		
addItemLinksForMassTransactions_SS	x		
getCtgItemAttribValues	x		
readGDSProperties_SS	x		
searchTradeItemsPaginated_SS	x		
processMassTransaction_SS	x		
setMassImport_SS	x		

3.5.1.4. TradeItem Link Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new TradeItemLink	x		
setLinkAttributes	x		
setLinkAttribute	x		
getTradeItemLink	x		
saveTradeItemLink	x		
getLinkAttributeValue	x		

3.5.1.5. Trading Partner Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new TradingPartner	x		
getTradingPartner	x		
setPartnerAttributes	x		
setPartnerAttribute	x		
saveTradingPartner	x		
searchTradingPartners	x		
getPartnerAttributeValue	x		

3.5.1.6. Transaction Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
createTransaction	x		

3.5.1.7. Messaging Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
queryWorklist	x		

3.5.1.8. Validation Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new MessageValidationResult	x		
new TradeItemValidationResult	x		
new AttributeValidationResult	x		

new ValidationResultObject	x		
addValidationResult	x		
addValidationResultObject	x		
addTradeItemValidationResult	x		
addAttributeValidationResult	x		
getValidationResultObjectList	x		
getTradeItemValidationResultList	x		
getAttributeValidationResultList	x		
setValidationResultStatus	x		
getValidationResultStatus	x		
setValidationResultMessage	x		
getValidationResultMessage	x		
setValidationResultHolder	x		
getValidationResultHolder	x		
setValidationResultType	x		
getValidationResultType	x		
getTradeItemsInMsgItemDS	x		
getValidationResult	x		
getMessageTypeName	x		
getDataPoolNameForMsgItem	x		

3.5.2. Other Operations

3.5.2.1. Admin Operations

No changes

3.5.2.2. Basic Operations

No changes

3.5.2.3. Bidi Operations

No changes

3.5.2.4. Currency Operations

No changes

3.5.2.5. Date Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new Date		a	

3.5.2.6. Db Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getWPCDBContext			X
getWPCDBConnection			X
releaseWPCDBConnection			X
openJDBCConnection			X
releaseJDBCConnection			X
loadJar			X
Commit			X
Rollback			X
executeQuery			X
executeUpdate			X
executeBatchUpdate			X
next			X
getColumn			X
getColumnAt			X

3.5.2.7. Excel Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new ExcelBook			X
saveToDocStore			X
createExcelSheet			X
createExcelCellStyle			X
createFont			X
createRow			X
getExcelSheets			X
getExcelSheet			X
getExcelCell			X
getNbRows			X
getNbColumns			X
new ExcelParser			X
getFirstRowNum			X
getLastRowNum			X
getExcelRow			X
createExcelCell			X
getFirstCellNum			X
getLastCellNum			X
getCellObj			X
setCellType			X
setDateCellValue			X
setNumericCellValue			X
setStringCellValue			X

setExcelStyle			X
getExcelCellType			X
getDateCellValue			X
getNumericCellValue			X
getStringCellValue			X
getExcelCellEncoding			X
setFillForegroundColor			X
setFont			X
setFillBackgroundColor			X
setFillPattern			X
setIndention			X
setAlignment			X
setVerticalAlignment			X
setBorderLeft			X
setBorderRight			X
setBorderTop			X
setBorderBottom			X
setWrapText			X
setLeftBorderColor			X
setRightBorderColor			X
setTopBorderColor			X
setBottomBorderColor			X
setDataFormat			X
setFontName			X
setFontHeight			X
setItalic			X
setBoldWeight			X
setUnderline			X
setStrikeout			X
setColor			X
getDateFromDoubleValue			X

3.5.2.8. *Library Operations*

No changes

3.5.2.9. *Math Operations*

No changes

3.5.2.10. *Number Operations*

No changes

3.5.2.11. Other Operations

No changes

3.5.2.12. Page Layout Operations

No changes

3.5.2.13. Re operations

No changes

3.5.2.14. Reader operations

No changes

3.5.2.15. Reflect Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
createJavaConstructor			x
runJavaConstructor			x
createJavaMethod			x
runJavaMethod			x
createJavaArray			x

3.5.2.16. Script Operations

No changes

3.5.2.17. Security Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
createUser		a	
getUsers			x
authenticateWPCUser			x
getLdapEntryDn			x
getLdapServerUrl			x
setLdapEntryDn			x
setLdapServerUrl			x
setUserName			x
populateSecurityContext			x

3.5.2.18. Set Operations

No changes

3.5.2.19. String Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
escapeForHTML		a	

3.5.2.20. System Operations

No changes

3.5.2.21. TimeZone Operations

No changes

3.5.2.22. Writer Operations

No changes

3.5.2.23. Zip Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
zip		a	

3.5.2.24. Zip Archive Operations

No changes

3.5.2.25. Distribution Operations

No changes

3.5.2.26. Import Operations

No changes

3.5.2.27. JMS operations

No changes

3.5.2.28. MQ operations

No changes

3.5.2.29. Queue Manager operations

No changes

3.5.2.30. UCC Net Operations

No changes

3.5.2.31. Webservices Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
createWebService		a	

3.5.2.32. Catalog Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getItemSetForUnassigned			x
resetAttributeGroupsToProcess			x

3.5.2.33. Category Operations

No changes

3.5.2.34. Entry Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getEntryXMLRepresentation			x
setEntryAttributesFromXMLRepresentation			x

3.5.2.35. Inheritance operations

No changes

3.5.2.36. Item Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getItemXMLRepresentation			x
setItemAttributesFromXMLRepresentation			x

3.5.2.37. Lookup Operations

No changes

3.5.2.38. Locale Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getCompanyLocales			x
getDefaultACGName			x
getDefaultSpecName			x
getDefaultSpecNameAttribute			x
getDefaultSpecPathAttribute			x
getDefaultSpecDispNameAttribute			x
getDefaultOrgHierarchyName			x
getDefaultLktHierarchyName			x
getDefaultAttrCollectionName			x
getDefaultLocale			x
getDefaultCharset			x

3.5.2.39. User Defined Log Operations

No changes

3.5.2.40. Docstore Operations

No changes

3.5.2.41. Attr group operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getLocalesOfAttrGroup			x

3.5.2.42. Spec Operations

No changes

3.5.2.43. Spec Map Operations

No changes

3.5.2.44. Worklist Operations

No changes

3.5.2.45. Export Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
setTypeToExport		a	
addObjectByNameToExport		a	
addAllObjectsToExport		a	

3.5.2.46. Perf Operations

No changes

3.5.2.47. Widget Operations

No changes

3.5.2.48. Report Operations

No changes

3.5.2.49. Scheduler Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
queryJobCompletionPercentage			x

3.5.2.50. Soap Operations

No changes

3.5.2.51. Collaboration Area Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
getItemSubset			x
getColAreaNamesForUser			x
getColAreaNamesForRole			x
getWflStepsForUser			x
getWflStepsForRole			x
getWflStepsXML			x

getWflStepsXMLByAttrValue			x
getItemsInStepByAttribute			x
getEntriesInfoXMLInStep			x
getItemsInStepBySelection			x

3.5.2.52. Workflow Operations

Operation Name	Removed in 5.2.1.1	Modified in 5.2.1.1	New in 5.2.1.1
new TransactionHandler_DS	x		
insertTransaction_DS	x		
updateTransaction_DS	x		
new StatusUpdater_DS	x		
updateTradeItemGlobalStatus_DS	x		
updateTradeItemLocalStatus_DS	x		
updateStatus_DS	x		
new NotificationHandler_DS	x		
notifyUsersForAction_DS	x		
notifyUsersForActionWithStatus_DS	x		
new InternalSyncHandler	x		
synchronize	x		
new EnrichmentHandler	x		
canStartEnrichment	x		
startEnrichment	x		
new InitialLoadSaver	x		
saveInitLoadEntries	x		
sendMessage	x		
new MessageValidator	x		
checkInitLoadAndSetExitVal	x		
new CategoryMappingValidator	x		
verifyAndSetExitValues	x		
getTransactionDetails	x		
new TransactionHandler_SS	x		
insertTransaction_SS	x		
updateTransaction_SS	x		
new StatusUpdater_SS	x		
updateStatus_SS	x		
updateTradeItemGlobalStatus_SS	x		
updateTradeItemLocalStatus_SS	x		
new NotificationHandler_SS	x		
notifyUsersForAction_SS	x		
notifyUsersForActionWithStatus_SS	x		
commitDB	x		
new LinkHandler	x		
updateLinks	x		

new PathSelectionHandler	x		
selectAndSetPath	x		
new MultiMoveHandler	x		
moveEntries	x		
new MessageHandler	x		
sendMessage	x		
loadWF	x		
checkOutItem	x		
checkOutCategory	x		
new ChildCheckinHandler	x		
checkInChilds	x		
new TIAAttrVerifier	x		
verifyAttrGroupsAndSetExitValues	x		
verifyAttrGroupAndSetExitValues	x		
createTestData	x		
runWFTest	x		

3.5.2.53. Workflow Step Operations

No changes

3.5.2.54. 'Operations' Operations

Operation Name	Removed in	Modified in	New in
	5.2.1.1	5.2.1.1	5.2.1.1
getLdapUserInfo	x		
getAllLdapUsersInfo	x		

3.6. Locale Specific Changes

The following are the locale specific changes that can be found during WPC 5.1.1 to 5.2.1.1 migration.

- If server locale is set to fr_FR
 - Default ACG Name will be reanemd from "Défaut" to "Par défaut"
- If server locale is set to it_IT
 - Default ACG Description will be renamed from "Gruppo controllo accesso predefinito" to "Gruppo di controllo accessi predefinito"
 - Display node name of Default Hierarchy will be renamed from "Visualizzare nome" to "Nome di visualizzazione"

- Default lookup table hierarchy name will be renamed from "Gerarchia della tabella di ricerca predefinita" to "Gerarchia tabella di ricerca predefinita"
- If server locale is set to pt_BR
- Default lookup table hierarchy name will be renamed from "Hierarquia da Tabela de Procura Padrão" to "Hierarquia da Tabela de Pesquisa Padrão"