



Warrant Data Exchange NCSC Grant Implementation Design

DESIGN DOCUMENT

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Revision History

Version	Date	Author(s)	Revision Notes
1.0	05/22/2013	Janardhan Muduganti	Initial version.

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1 Introduction

1.1 System Overview

In 2005, at the direction of the Governor's Office, the Pennsylvania Justice Network (JNET), the Pennsylvania State Police (PSP), and the Administrative Office of Pennsylvania Courts (AOPC), began to develop an electronic warrant issuance process for all Magisterial District Judge and Common Pleas warrants. This directive was issued in response to concerns that approximately 60% of all warrants issued statewide were not being entered into state and federal warrant repositories. The primary objectives of this project were to collect, secure, automate, and enter all warrants into PSP's Commonwealth Law Enforcement Assistance Network (CLEAN) and the FBI's National Crime Information Center (NCIC) at the time of Judicial approval. Through this process, law enforcement personnel benefit in two significant ways; a reduction in data entry at the time of issuance, and the knowledge of all active warrants for subjects they encounter.

From a system perspective, all of the data mapping, data scrubbing, and data conversion required to ensure successful processing at NCIC is carried out on PSP-maintained components. Recently, JNET has been asked to migrate as much of that functionality to its system components, and to assess what changes can be made to improve the rate of successful automated entry of valid warrants data into NCIC and CLEAN. Around the same time (late Summer 2011), JNET applied for a grant from the National Center for State Courts (NCSC) who were seeking State participation in the development of a Warrants and Disposition Management Toolkit. In late April 2012, JNET Learned that it had been one of the States awarded a grant from NCSC.

1.2 Scope

1.2.1 In Scope

The primary focus of this document is the components JNET will need to develop using webmethods.

The AOPC and PSP components are not discussed in detail.

2 Design Considerations

2.1 Critical Requirements

1. Successfully migrate the data mapping, data scrubbing and data conversion functionality of the automated warrants data transfer system from PSP system components to JNET system components.
2. Improve the rate of successful initial entry of warrants into NCIC and CLEAN from the current level.
3. Improve the rate of successful cancelations of warrants from NCIC and CLEAN from the current level.
4. Add the capability to return a NIC to AOPC when warrant data is manually entered by Servicing ORIs.
5. Improve reporting so that local stakeholders can analyze and take action on reasons for warrants data rejections.

6. Create Warrant Correction UI that will allow authorized users to correct and resubmit rejected warrant entries.

2.2 Dependencies

The design of this system reuses the following JNET system components:

1. JNET Utility Services (JUS)
2. JNET Error Handling Framework (JEHF)
3. JNET Auditing Service (JAS)
4. JNET Common Services

3 System Implementation Specification

3.1 Business Process Model

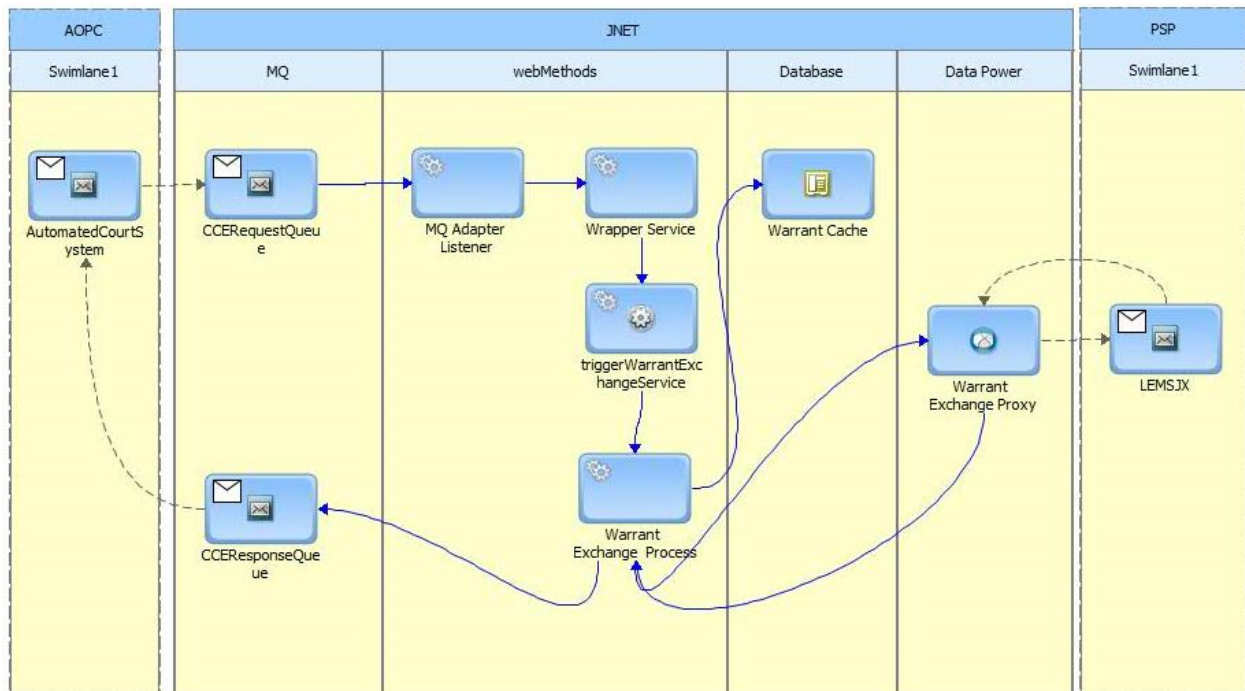


Figure 2 – Warrant Data Exchange process diagram

Warrant Exchange Process consists of four operations SubmitWarrant, ReceivewarrantReply, SubmitWarrantCorrection and ResubmitUnprocessedWarrants

3.1.1 Warrant Data Exchange Process - SubmitWarrant

1. AOPC publishes CCERequest message to the JNET MI.
2. MQ Listener listens to new messages on Inbound queue 'CCE.INBOUND.QUEUE' (JNET MI) and invokes wrapper service.
3. If CCERequest is **criminal** warrant it is published to broker..

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- a. /soap:Envelope/soap:Header/was:Action =
'http://jnet.state.pa.us/jxdm/aopc/CourtCaseEvent/WarrantPublish'
 - b. /soap:Envelope/soap:Header/wsa:ReferenceParameters/ref:DocketTypeText =
'CRIMINAL'
4. 'trgrCCEWarrant' invokes SubmitWarrant operation.
 5. CCERequest message transformed to WarrantXL message using XSLT for simplified UI processing.
 6. SubmitWarrant operation Extracts WarrantNumber, ORI, WarrantType, CountyCode and ActionType from CCERequest.
 7. Cache WarrantNumber, ORI, WarrantType, CountyCode, ActionType, WarrantXML and original CCERequest into DB with status 'Pending'.
 8. Call SubmitWarrant web service on the DataPower proxy.
 - WarrantCacheID = WarrantCacheID returned from the CacheWarrant stored procedure.
 - WarrantCCE = CCERequest message
 - UpdateIndicator = 'false'
 9. Data power sends the warrant to LEMSJX and receives reply status.
 10. Call UpdatePublishStatus() stored procedure with the response data in WarrantReply.
 - WarrantNumber = WarrantReply.WarrantID or WarrantCacheID =
WarrantReply.WarrantCacheID
 - WarrantType = WarrantReply.WarrantType
 - ReplyStatus = WarrantReply.ReplyStatus
 - RejectType = WarrantReply.RejectType
 - RejectReason = WarrantReply.ErrorMessage
 11. If reply status is 'FAILURE', send CCE Fault back to AOPC.

3.1.2 Warrant Data Exchange Process - ReceiveWarrantReply

1. Warrant exchange service receives & saves warrant response and response status in the Warrant cache. response to AOPC.
2. If warrant reply status = ACCEPT & WarrantType = ENTRY, ReceiveWarrantReply operation adds the NIC number to the CCE
3. If warrant reply status = REJECT & WarrantType = ENTRY and the ErrorMessage contains 'ON FILE', ReceiveWarrantReply operation adds on file NIC, on file WNO to the CCE response to AOPC.

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4. If warrant reply status != RETRY & WarrantType != SUPPLEMENT, ReceiveWarrantReply operation generates CCR Reply or CCE Fault message.
 - a. Places CCE Response on CCE Reply queue.
 5. Calls CacheWarrantReply() stored procedure.
 6. IF Warrant reply Status == 'ACCEPT' and WarrantType == 'ENTRY' THEN
Call SubmitSupplement()

3.1.3 Warrant Data Exchange Process - SubmitWarrantCorrection

1. Get WarrantID and EditUserID from request.
2. Call LockWarrant stored procedure with WarrantID and EditUserID to insure warrant record is locked by the user
3. Call GetWarrantCCE stored procedure to get the last CCE message sent to PSP.
4. Merge the updates in the WarrantXML with the CCE message.
5. Call SubmitWarrant operation.

3.1.4 Warrant Data Exchange Process - ResubmitUnprocessedWarrants

1. Call GetUnprocessedWarrants stored procedure to get a list of warrants ready to be Resubmitted.
2. Follow below steps for all warrants:
 - a. Call GetWarrantCCE stored procedure to get the latest CCE message.
 - b. Call SubmitWarrant() on the Warrant Exchange Proxy to resubmit the warrant to PSP.
 - c. Call UpdateWarrantStatus stored procedure to update the reply status returned by PSP.
3. IF the reply status == REJECT THEN, generate a CCE Fault message.
 - A. Put the CCE Fault message on the CCE Reply Queue.

3.1.5 Alternative Paths

3.1.5.1 NCSC Service Failures

If the NCSC service encounters an error, it will raise an exception which will cause the NCSC WSD to return a SOAP fault to the client consumer. One exception to this rule is audit log failures. Audit log failures will be recorded in the error log but processing will be allowed to continue on the response.

3.2 NCSC Grant Project ISB Detailed Design

NCSC service is a WSDL first webservice provider and is generated by using the NCSC IEPD wsdl WarrantExchange.wsdl.

3.2.1 NCSC WebService

Service Name	NCSC
Type	WSD
Package Name	JNET_Process_NCSC
Handler	serviceHandler_provider_saml
Binders	NCSCSOAPBinding
SOAP Version	SOAP 1.1 Protocol
SOAP Binding Style	Document
SOAP Binding Use	Literal
Operations	SubmitWarrant, ReceiveWarrantReply, and SubmitWarrantCorrection

3.2.2 NCSC Service Components

Component Name	SubmitWarrant
Type	Flow
Service Qualified Path	JNET_Process_Address_Search.endpoints.provider.Address_Search_services: GetPersonSearchCriteria
Input Data	JNET_Process_Address_Search.endpoints.provider.Address_Search_docTypes: docTypeRef_m_GetPersonSearchCriteriaType
Output Data	JNET_Process_Address_Search.endpoints.provider.Address_Search_docTypes: docTypeRef_m_GetPersonSearchCriteriaResponseType
Description	GetPersonSearchCriteria is one of the operations of Address_Search provider webservice. This operation used to query primary systems based on the user role to retrieve the person information summary.

Component Name	ReceiveWarrantReply
Type	Flow

Service Qualified Path	JNET_Process_Address_Search.endpoints.provider.Address_Search_.services: GetPersonInformation
Input Data	JNET_Process_Address_Search.endpoints.provider.Address_Search_.docTypes: docTypeRef_m_GetPersonInformationType
Output Data	JNET_Process_Address_Search.endpoints.provider.Address_Search_.docTypes: docTypeRef_m_GetPersonInformationResponseType
Description	GetPersonInformation is one of the operations of Address_Search provider webservice. This operation is used to get the person detailed information from all the datasources which are participating in NCSC application.

Component Name	SubmitWarrantCorrection
Type	Flow
Service Qualified Path	JNET_Process_Address_Search.process:getPersonSearchCriteria
Input Data	docTypeRef_m_GetPersonSearchCriteriaType
Output Data	docTypeRef_m_GetPersonSearchCriteriaResponseType
Description	This is the top level service to perform whole bussiness logic for GetPersonSearchCriteria webservice operation

Component Name	getPersonInformation
Type	Flow
Service Qualified Path	JNET_Process_Address_Search.process:getPersonInformation
Input Data	docTypeRef_m_GetPersonInformationType
Output Data	docTypeRef_m_GetPersonInformationResponseType
Description	This is the top level service to perform whole bussiness logic for GetPersonInformation webservice operation

Component Name	auditGetPersonSearchCriteria
Type	Flow

Service Qualified Path	JNET_Process_Address_Search.services.auditLog: auditGetPersonSearchCriteria
Input Data	GetPersonSearchCriteria , username, orgInfo
Output Data	insAuditLogDoc
Description	This flow service capture the person search criteria for auditing in auditlog database.

Component Name	auditGetPersonInformation
Type	Flow
Service Qualified Path	JNET_Process_Address_Search.services.auditLog: auditGetPersonInformation
Input Data	GetPersonInformation, username, orgInfo
Output Data	insAuditLogDoc
Description	This flow service capture the person Infromation criteria for auditing in auditlog database.

Component Name	makeSearchMetaData
Type	Flow
Service Qualified Path	JNET_Process_Address_Search.services:makeSearchMetaData
Input Data	requestDocument
Output Data	requestDocument
Description	This flow service prepare the metadata for search operation based on user input and user role.

Component Name	getSystemsToQuery
Type	Flow
Service Qualified Path	JNET_Process_Address_Search.services:getSystemsToQuery
Input Data	UserAuthorizations, searchType

Output Data	numOfPRSystems,numOfSCSystems,scSystemNames, prSystemNames, totalsystems, numOfWorkSystems
Description	This flow service find out the number of systems going to be searched based on user permission to the datasources. Also finds the primary query systems and secondary query systems based on user input criteria.

Component Name	insertMetaData
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.wrappers:insertMetaData
Input Data	insertMetaDataInput
Output Data	insertMetaDataOutput
Description	This flow service inserts query metadata into the envelope caching table of DataAggregation database.This metadata is used for replying to the request service.

Component Name	Data_Aggregation
Type	WSD
Service Qualified Path	JNET_Process_Address_Search.endpoints.consumer: Data_Aggregation
Binding	DataAggregationSoapBinding
Operations	QueryDataSources, PutDataQueryResults, GetAvailableResults
Description	This webservice consumer is created from Data Aggregation service provider on JIES server to call aggregation service operations.

Component Name	DataAggregationInterface_QueryDataSources
Type	Flow
Service Qualified Path	JNET_Process_Address_Search.endpoints.consumer.Data_Aggregation_.connectors:

	DataAggregationInterface_QueryDataSources
Input Data	m:QueryDataSources, url
Output Data	m:QueryDataSourcesResponse, SOAP-FAULT
Description	This webmethods webservice connector used for calling the QueryDataSources method of DataAggregation webservice on JIES Server.

Component Name	processScndrySrchQry
Type	Flow
Service Qualified Path	JNET_Process_Address_Search.services:processScndrySrchQry
Input Data	responseList, scSystemNames, TxnID, RequestMetadata,timeOut
Output Data	scResponseList
Description	This flow service performs the required bussiness logic for making secondary query.

Component Name	removeDuplicatePerson
Type	Java Service
Service Qualified Path	JNET_Process_Address_Search.utils:removeDuplicatePerson
Input Data	inputPersonList
Output Data	outputPersonList
Description	This Java service performs the logic to remove the duplicate records from the result set.

Component Name	getSystemList
Type	Java Service
Service Qualified Path	JNET_Process_Address_Search.utils:getSystemList
Input Data	userList, allowedList
Output Data	searchList
Description	This java service used to find the inersection of userList and allowed list.

JDBC Adapter Connections:

Component Name	conn_AOPC
Type	JDBC Adapter Connection
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_AOPC
Database Server Name	ujc-portaldb-test.pacourts.net
Database Name	tst_case_mgmt
Min Connections	0
Max Connections	10

Component Name	conn_DROWarrant
Type	JDBC Adapter Connection
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_DROWarrant
Database Server Name	pacseswarrant-db.apps
Database Name	PACSES
Min Connections	0
Max Connections	10

Component Name	conn_Data_Aggregation_Cache
Type	JDBC Adapter Connection
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_Data_Aggregation_Cache
Database Server Name	jdas-db.apps
Database Name	DataAggregation
Min Connections	0
Max Connections	20

Component Name	conn_ERCountyPrison
Type	JDBC Adapter Connection
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections: conn_ERCountyPrison
Database Server Name	doc-er-db.apps
Database Name	JNET-ER_DOC
Min Connections	0
Max Connections	10

Component Name	conn_ERCountyProbation
Type	JDBC Adapter Connection
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections: conn_ERCountyProbation
Database Server Name	pbbp-er-db.apps
Database Name	JNET_ER
Min Connections	0
Max Connections	10

Component Name	conn_JTS
Type	JDBC Adapter Connection
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_JTS
Database Server Name	juvenilewatchlist-db.apps
Database Name	PAJCMS
Min Connections	0
Max Connections	10

Component Name	conn_StateDOC
Type	JDBC Adapter Connection
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_StateDOC
Database Server Name	doc-db.apps
Database Name	JI
Min Connections	0
Max Connections	10

Component Name	conn_statePBPP
Type	JDBC Adapter Connection
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_statePBPP
Database Server Name	pbpp-db.apps
Database Name	PBPP
Min Connections	0
Max Connections	10

Component Name	conn_webCPIN
Type	JDBC Adapter Connection
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_webCPIN
Database Server Name	cpin-db.apps
Database Name	mugshot
Min Connections	0
Max Connections	10

JDBC Adapter Services:

Component Name	insertMetaData
Type	JDBC Adapter Service
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:

	conn_Data_Aggregation_Cache
Service Qualified Path	JNET_System_DataSources.services.wrappers:insertMetaData
Input Data	insertMetaDataInput
Output Data	insertMetaDataOutput
Description	This JDBC Adapter service is used for inserting the metadata into EnvelopeCahing table.

Component Name	getQueryID
Type	JDBC Adapter Service
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections: conn_Data_Aggregation_Cache
Service Qualified Path	JNET_System_DataSources.adapters.jdbc.services.dataAggregationCache: getQueryID
Input Data	getQueryIDInput
Output Data	getQueryIDOutput
Description	This JDBC Adapter service is used to get the queryID from queryID mapping table.

Component Name	mapQueryIDToControllID
Type	JDBC Adapter Service
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections: conn_Data_Aggregation_Cache
Service Qualified Path	JNET_System_DataSources.adapters.jdbc.services.dataAggregationCache: mapQueryIDToControllID
Input Data	mapQueryIDToControllIDInput
Output Data	mapQueryIDToControllIDOutput
Description	This JDBC Adapter service is used for mapping the queryID to Database generated unique controllID.

Component Name	getPersonInfoFromAOPC
Type	JDBC Adapter Service
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_AOPC
Service Qualified Path	JNET_System_DataSources.adapters.jdbc.services.aopc: getPersonInfoFromAOPC
Input Data	getPersonInfoFromAOPCInput
Output Data	getPersonInfoFromAOPCOutput
Description	This JDBC Adapter service is calling the pr_CPGetFederatedAddress stored procedure on AOPC database for getting the person details.

Component Name	getPersonInfoFromDROWarrant
Type	JDBC Adapter Service
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_DROWarrant
Service Qualified Path	JNET_System_DataSources.adapters.jdbc.services.dro: getPersonInfoFromDROWarrant
Input Data	getPersonInfoFromDROWarrantInput
Output Data	getPersonInfoFromDROWarrantOutput
Description	This JDBC Adapter service is calling the spGetPersonInfo stored procedure on PACSES database for getting the person details.

Component Name	getPersonInfoFromCountyPrison
Type	JDBC Adapter Service
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections: conn_ERCountyPrison
Service Qualified Path	JNET_System_DataSources.adapters.jdbc.services.erPrison: getPersonInfoFromCountyPrison
Input Data	getPersonInfoFromCountyPrisonInput

Output Data	getPersonInfoFromCountyPrisonOutput
Description	This JDBC Adapter service is calling the spGetERDOCAddress stored procedure on JNET-DOC_ER database for getting the person details.

Component Name	getPersonInfoFromCountyProbation
Type	JDBC Adapter Service
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections: conn_ERCountyProbation
Service Qualified Path	JNET_System_DataSources.adapters.jdbc.services.erProbation: getPersonInfoFromCountyProbation
Input Data	getPersonInfoFromCountyProbationInput
Output Data	getPersonInfoFromCountyProbationOutput
Description	This JDBC Adapter service is calling the spGetCountyProbationPersonInformation stored procedure on JNET_ER database for getting the person details.

Component Name	getPersonInfoFromJTS
Type	JDBC Adapter Service
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_JTS
Service Qualified Path	JNET_System_DataSources.adapters.jdbc.services.jts: getPersonInfoFromJTS
Input Data	getPersonInfoFromJTSInput
Output Data	getPersonInfoFromJTSTOutput
Description	This JDBC Adapter service is calling the spGetJTSPersonInformation stored procedure on PAJCMS database for getting the person details.

Component Name	getPersonInfoFromStateDOC
Type	JDBC Adapter Service

Connection Alias	JNET_System_DataSources.adapters.jdbc.connections: conn_StateDOC
Service Qualified Path	JNET_System_DataSources.adapters.jdbc.services.stateDoc: getPersonInfoFromStateDOC
Input Data	getPersonInfoFromStateDOCInput
Output Data	getPersonInfoFromStateDOCOutput
Description	This JDBC Adapter service is sending a dynamic query to State DOC database for getting the person details.

Component Name	getPersonInfoFromPBPP
Type	JDBC Adapter Service
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_statePBPP
Service Qualified Path	JNET_System_DataSources.adapters.jdbc.services.statePBPP: getPersonInfoFromPBPP
Input Data	getPersonInfoFromPBPPInput
Output Data	getPersonInfoFromPBPPOutput
Description	This JDBC Adapter service is calling the spGetPBPPPersonInfo stored procedure on PBPP database for getting the person details.

Component Name	getPersonInfoFromWEBCPIN
Type	JDBC Adapter Service
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_webCPIN
Service Qualified Path	JNET_System_DataSources.adapters.jdbc.services.webcpin: getPersonInfoFromWEBCPIN
Input Data	getPersonInfoFromWEBCPINInput
Output Data	getPersonInfoFromWEBCPINOutput
Description	This JDBC Adapter service is calling the ADDR_RET_DETAIL stored procedure on mugshot database for getting the person details.

Component Name	getPersonSmryFromWEBCPIN
Type	JDBC Adapter Service
Connection Alias	JNET_System_DataSources.adapters.jdbc.connections:conn_webCPIN
Service Qualified Path	JNET_System_DataSources.adapters.jdbc.services.webcpin: getPersonSmryFromWEBCPIN
Input Data	getPersonSmryFromWEBCPINInput
Output Data	getPersonSmryFromWEBCPINOutput
Description	This JDBC Adapter service is calling the ADDR_RET_SUM stored procedure on mugshot database for getting the person summary.

Triggers:

Component Name	trgrAOPC
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrAOPC
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrDPW
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrDPW
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument

Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrDROWarrant
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrDROWarrant
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrERPrison
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrERPrison
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrERProbation
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Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrERProbation
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrJTS
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrJTS
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrPennDOT
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrPennDOT
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent

Max. Threads	4
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Component Name	trgrPSP_CCHRI_ResponseNotify
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrPSP_CCHRI_ResponseNotify
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrERPrison
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrERPrison
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrPSPMN
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrPSPMN
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20

Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrPSPRS
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrPSPRS
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrStateDOC
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrStateDOC
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrStatePBPP
Type	webMethods Trigger Service

Service Qualified Path	JNET_System_DataSources.triggers:trgrStatePBPP
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrWebCPIN
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrWebCPIN
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent
Max. Threads	4

Component Name	trgrDLI
Type	webMethods Trigger Service
Service Qualified Path	JNET_System_DataSources.triggers:trgrDLI
Subscription Document Type	JNET_Process_Address_Search.docs:QueryDocument
Trigger Queue Capacity	20
Trigger Queue Refill Level	8
Acknowledge Queue Size	2
Processing Mode	Concurrent

Max. Threads	4
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Subscriber Services:

Component Name	subscriberAOPC
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscriberAOPC
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the AOPC, retrieves the results and stores in aggregation datastore.

Component Name	getPersonInfoFromAOPC
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.wrappers:getPersonInfoFromAOPC
Input Data	getPersonInfoFromAOPCInput
Output Data	getPersonInfoFromAOPCOutput
Description	This flow service is a wrapper service to call JDBC adapter service.

Component Name	sendQueryResultsToStore
Type	Flow
Service Qualified Path	JNET_System_DataSources.services:sendQueryResultsToStore
Input Data	responseDoc, requestDoc, configInfo
Output Data	NA
Description	This flow service is wrapper service to call PutDataQueryResults webservice connector

Component Name	DataAggregationInterface_PutDataQueryResults
Type	Flow
Service Qualified Path	JNET_Process_Address_Search.endpoints.consumer.Data_Aggregation_.connectors: DataAggregationInterface_PutDataQueryResults
Input Data	m:PutDataQueryResults, _url
Output Data	SOAP-FAULT
Description	This is a webservice connector to call the Dta aggregation webservice on JIES server to store the results document in datastore table.

Component Name	subscriberDPW
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscriberDPW
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the DPW, retrieves the results and stores in aggregation datastore.

Component Name	DPWRecipientAddressService
Type	Flow
Service Qualified Path	JNET_System_DPW.endpoints.DPWRecipientAddressEndPoint_.services: DPWRecipientAddressService
Input Data	tns:DPWInputDoc
Output Data	tns:DPWOutputDoc
Description	This flow service is used to query DPW application to get the person details and stores the results in datastore.

Component Name	subscriberDRO
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Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscriberDRO
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the DRO databse, retrievees the results and stores in aggregation datastore.

Component Name	getPersonInfoFromDRO
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.wrappers:getPersonInfoFromDRO
Input Data	getPersonInfoFromDROWarrantInput
Output Data	getPersonInfoFromDROWarrantOutput
Description	This is a wrapper service to call JDBC Adapter service to get the person details.

Component Name	subscriberERPrison
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscriberERPrison
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the ER Prison Databse, retrievees the results and stores in aggregation datastore.

Component Name	getPersonInfoFromERPrison
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.wrappers:

	getPersonInfoFromERPrison
Input Data	getPersonInfoFromCountyPrisonInput
Output Data	getPersonInfoFromCountyPrisonOutput
Description	This is a wrapper service to call JDBC Adapter service to get the person details.

Component Name	transformCountyCodeToCountyName
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.transformCountyCodeToCountyName
Input Data	countyCode
Output Data	countyName
Description	This flow service returns the county name based on county code.

Component Name	subscriberERProbation
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscriberERProbation
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the ER Probation Database, retrieves the results and stores in aggregation datastore.

Component Name	getPersonInfoFromERProbation
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.wrappers: getPersonInfoFromERProbation
Input Data	getPersonInfoFromCountyProbationInput
Output Data	getPersonInfoFromCountyProbationOutput

Description	This is a wrapper service to call JDBC Adapter service to get the person details.
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Component Name	subscriberJTS
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscriberJTS
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the JTS Database, retrieves the results and stores in aggregation datastore.

Component Name	getPersonInfoFromJTS
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.wrappers:getPersonInfoFromJTS
Input Data	getPersonInfoFromJTSInput
Output Data	getPersonInfoFromJTSOutput
Description	This is a wrapper service to call JDBC Adapter service to get the person details.

Component Name	subscriberPennDOT
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscriberPennDOT
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the CLEAN Upgrade Driver application, retrieves the results and stores in aggregation datastore.

Component Name	PennDOTConsumerWrapper
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.pennDOTConsumerHandler: PennDOTConsumerWrapper
Input Data	m:GetDriverStatus, User, OrgInfo
Output Data	m:GetDriverStatusResponse, SOAP-FAULT
Description	This is a wrapper service to call the PennDOT Driver webservice connector.
Component Name	samlConsumerHandler
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.pennDOTConsumerHandler: samlConsumerHandler
Input Data	messageContext
Output Data	statusCode, faultMessage
Description	This is saml consumer handler for PennDOT Driver consumer webservice

Component Name	subscriberDLI
Type	Flow
Service Qualified Path	
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the DLI employment application, retrieves the results and stores in aggregation datastore.

Component Name	DLIConsumerWrapper
Type	Flow
Service Qualified Path	
Input Data	
Output Data	
Description	This is a wrapper service to call the DLI webservice connector.

Component Name	DLI
Type	WSD
Service Qualified Path	
Binders	getEmploymentRecordsSOAPBinding
Operations	GetEmploymentRecords
Handler	samlConsumerHandler
Description	This is a consumer webservice for DLI on data power..

Component Name	PennDOTDriver
Type	WSD
Service Qualified Path	JNET_System_DataSources.endpoints.consumer:PennDOTDriver
Binders	DriverQuerySOAPBinding
Operations	GetDriverStatus
Handler	samlConsumerHandler
Description	This is a consumer webservice for PennDOT_Driver Provider webservice serve on PennDOT ISB server..

Component Name	PSP_CLEAN_Query
Type	WSD

Service Qualified Path	JNET_System_DataSources.endpoints.consumer:PSP_CLEAN_Query
Binders	MessageServiceSoap
Operations	ReceiveNLETSMsg
Handler	NA
Description	This is a consumer webservice for PSP CLEAN Provider webservice serve on JentInquiry Srever.

Component Name	subscriberPSPMN
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscriberPSPMN
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the PSP CLEAN, retrieve the results and stores in aggregation datastore.

Component Name	mapQueryIDToControllID
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.wrappers:mapQueryIDToControllID
Input Data	mapQueryIDToControllIDInput
Output Data	mapQueryIDToControllIDOutput
Description	This flow service is a wrapper service for calling JDBC Adapter service.

Component Name	MessageServiceSoap_ReceiveNLETSMsg
Type	Flow
Service Qualified Path	JNET_System_DataSources.endpoints.consumer.PSP_CLEAN_Query_connectors:MessageServiceSoap_ReceiveNLETSMsg

Input Data	strNLETSMMessage, _url
Output Data	ReceiveNLETSMResult, SOAP-FAULT
Description	ReceiveNLETSM web service connector is used to call the PSP CLEAN Webservice to send the request message.

Component Name	subscriberPSPRS
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscriberPSPRS
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the PSP CLEAN, retrieves the results and stores in aggregation datastore.

Component Name	subscriberStateDOC
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscriberStateDOC
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the State DOC, retrieves the results and stores in aggregation datastore.

Component Name	getPersonInfoFromStateDOC
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.wrappers:getPersonInfoFromStateDOC
Input Data	getPersonInfoFromStateDOCInput
Output Data	getPersonInfoFromStateDOCOutput

Description	This is a wrapper service to call JDBC Adapter service to get the person details.
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Component Name	prepareStateDOCQuery
Type	Flow
Service Qualified Path	JNET_System_DataSources.services:prepareStateDOCQuery
Input Data	lastName, firstName, middleName, dob, ssn_1, ssn_2, sid
Output Data	query
Description	This flow service prepares the dynamic sql query based on the user input and this prepared query is passed to JDBC Adapter service to query the State DOC databse.

Component Name	subscriberStatePBPP
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscriberStatePBPP
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the State PBPP retrieves the results and stores in aggregation datastore.

Component Name	getPersonInfoFromStatePBPP
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.wrappers:getPersonInfoFromStatePBPP
Input Data	getPersonInfoFromPBPPInput
Output Data	getPersonInfoFromPBPPOutput
Description	This is a wrapper service to call JDBC Adapter service to get the person details.

Component Name	subscriberWEBCPIN
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscriberWEBCPIN
Input Data	JNET_Process_Address_Search.docs:QueryDocument
Output Data	NA
Description	This flow service subscribes the query document from aggregation service publisher and query the WebCPIN retrieves the results and stores in aggregation datastore.

Component Name	getPersonInfoFromWEBCPIN
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.wrappers:getPersonInfoFromWEBCPIN
Input Data	getPersonInfoFromWEBCPINInput
Output Data	getPersonInfoFromWEBCPINOutput
Description	This is a wrapper service to call JDBC Adapter service to get the person details.

Component Name	getPersonSummeryFromWEBCPIN
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.wrappers: getPersonSummeryFromWEBCPIN
Input Data	getPersonSmryFromWEBCPINInput
Output Data	getPersonSmryFromWEBCPINOutput
Description	This is a wrapper service to call JDBC Adapter service to get the person details.

Component Name	subscribeToNCICMessage
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Type	Flow
Service Qualified Path	JNET_System_DataSources.services.subscribers:subscribeToNCICMessage
Input Data	JNET_System_PSPCLEAN.docs:NCICMessageReplyDoc
Output Data	NA
Description	This subscriber service is used for subscribing the response message from PSP CLEAN webservice and received message is stored in aggregation datastore.

Component Name	getQueryIDFromMappingTable
Type	Flow
Service Qualified Path	JNET_System_DataSources.services.wrappers:getQueryIDFromMappingTable
Input Data	getQueryIDInput
Output Data	getQueryIDOutput
Description	This is a wrapper service to call JDBC Adapter service.

Component Name	parsePSPMNRResponse
Type	Flow
Service Qualified Path	JNET_System_DataSources.services:parsePSPMNRResponse
Input Data	NativeMessage
Output Data	PSPMNRResponseList, validationError, noRecordFound
Description	This flow service is used to parse the PSP MN response to extract the desired fields.

Component Name	parsePSPRSResponse
Type	Flow
Service Qualified Path	JNET_System_DataSources.services:parsePSPRSResponse
Input Data	NativeMessage
Output Data	dob, lastUpdatedDate, address, sid, name, soc, noRecordFound,

	validationError
Description	This flow service is used to parse the PSP RN response to extract the desired fields.

Component Name	DataAggregationInterface_PutDataQueryResults
Type	Flow
Service Qualified Path	JNET_Process_Address_Search.endpoints.consumer.Data_Aggregation_connectors: DataAggregationInterface_PutDataQueryResults
Input Data	m:PutDataQueryResults, _url
Output Data	SOAP-FAULT
Description	PutDataQueryResults webservice connector is used to call the data aggregation webservice provider on JIES server to save the results to datastore table.

Utility Services:

Component Name	getUserandOrgInfo
Type	Flow
Service Qualified Path	JNET_Common.services.samlTokenHandler:getUserandOrgInfo
Input Data	soapHeaders
Output Data	userName, orgInfo
Description	This utility service is used to extract the user and organization information from SOAP Headers.

Component Name	getUserAuthorizations
Type	Flow
Service Qualified Path	JNET_Common.services.samlTokenHandler:getUserAuthorizations
Input Data	soapHeaders
Output Data	UserAuthorizations

Description	This utility service is used to extract the user permissions to datasources.
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Component Name	generateUUID
Type	Java Service
Service Qualified Path	JNET_Common.services.uuid:generateUUID
Input Data	NA
Output Data	uuid
Description	This utility service is used to generate the UUID.

Component Name	throwError
Type	Java Service
Service Qualified Path	JNET_Common.services.misc:throwError
Input Data	errorMessage
Output Data	NA
Description	This utility service is used to throw an exception manually.

Component Name	publishAuditLogDoc
Type	Flow
Service Qualified Path	JNET_Common.services.jnetAsynchAuditLog.services:publishAuditLogDoc
Input Data	auditLogRequest
Output Data	NA
Description	This utility service is used to publish the audit log document.

Component Name	publishTxnLogDoc
Type	Flow
Service Qualified Path	JNET_Common.services.jnetTransactionLogging.services:publishTxnLogDoc

Input Data	txnLogDoc
Output Data	NA
Description	This utility service is used to publish the transaction log document.

Component Name	publishTxnLogUpdateDoc
Type	Flow
Service Qualified Path	JNET_Common.services.jnetTransactionLogging.services: publishTxnLogUpdateDoc
Input Data	updateTxnLog
Output Data	NA
Description	This utility service is used to publish the updated audit log document.

Component Name	publishAuditLogDocForCatchBlock
Type	Flow
Service Qualified Path	JNET_Common.services.jnetAsynchAuditLog.services: publishAuditLogDocForCatchBlock
Input Data	lastError
Output Data	NA
Description	This utility service is used to publish the audit log document from catch block.

Component Name	publishTxnLogDocForCatchBlock
Type	Flow
Service Qualified Path	JNET_Common.services.jnetTransactionLogging.services: publishTxnLogDocForCatchBlock
Input Data	lastError
Output Data	NA

Description	This utility service is used to publish the transaction log document from catch block.
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Component Name	getErrorClassInfo
Type	Flow
Service Qualified Path	JNET_Common.services.jnetErrorClassLookup.services:getErrorClassInfo
Input Data	getErrorClassInput
Output Data	getErrorClassOutput
Description	This is a wrapper service to call the JDBC adapter service to get the error class information from error class lookup table in audit log database.

Component Name	commonErrorHandler
Type	Flow
Service Qualified Path	JNET_Common.services.jnetErrorClassLookup.services:commonErrorHandler
Input Data	lastError,JNETModuleName,serviceName,errorHandlerType,userTrackingID,description, severity, notify, errorClass
Output Data	JNETUUID, JNETErrorDescription
Description	commonErrorHandler utility service call the exception handling service and provides required metada data for exceptionhandlingservice.

Component Name	getErrorClass
Type	JDBC Adapter Service
Service Qualified Path	JNET_Common.services.jnetErrorClassLookup.services:getErrorClass
Input Data	getErrorClassInput
Output Data	getErrorClassOutput
Description	This jdbc adapter serive used to get the error class from error class lookup table.

Component Name	handleExceptions
Type	Flow Service
Service Qualified Path	JNET_System_DataSources.services:handleExceptions
Input Data	lastError, requestDoc, configInfo, JNETModuleName, serviceName, errorHandlerType, dataSourceName
Output Data	NA
Description	This utility service is used for exception handling.