

This presentation will look at the configuration of a Network Deployment environment to enable WebSphere Process Server for z/OS V6.0.2 or WebSphere Enterprise Service Bus for z/OS V6.0.2 function. It is recommended that you look at the installation and configuration overview presentation as a prerequisite to this one.



The goal of this presentation is to explain what is necessary to configure WebSphere Process Server for z/OS or WebSphere Enterprise Service Bus for z/OS in a Network Deployment environment.



This presentation will take you through the steps necessary to configure WebSphere Process Server for z/OS or WebSphere Enterprise Service Bus for z/OS in the more complicated Network Deployment environment.

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Configura	tion over	view		
	Pr WebSpho	roduct configur ere Process Se	ation rver for z/OS	
Configuring the	product after insta	allation		
Profile augmentation	Manual post conf	iguration tasks		
Update profile data - optional	Configure the database	Configure the Process Server core	Configure Business Process Choreographer	Configure Common Event Infrastructure
Shell script:	jacl script:	jad script:	jad script:	jad script:
zWPSConfig.sh zWESBConfig.sh			bpe config.ja cl task config.ja cl	event-mess age.jacl
	Not	work Deployment configuration	n	© 2007 IBM Corporation

This slide shows the product configuration steps. Notice that there are several manual post-configuration tasks listed on the right. These are all tasks that were taken care of in the simple stand-alone application server configuration. In a Network Deployment configuration, you will have to manually configure more options. Those options will be presented here.



To configure WebSphere Process Server for z/OS V6.0.2 or WebSphere Enterprise Service Bus for z/OS V6.0.2 in a Network Deployment environment, DB2 for z/OS is a requirement. Cloudscape is not supported in this environment. In order to configure the products in this environment, you will see that you will first 'configure' the deployment manager node and then 'configure' an empty managed node before federating it. In other words, you will create an empty managed node but not run the BBOWMNAN job until you have run the WebSphere Process Server or WebSphere Enterprise Service Bus configuration scripts against the empty managed node. You will create a server in this node as a manual process.

Starting with V6.0.2, you are also able to configure a stand-alone profile with WebSphere Process Server or WebSphere Enterprise Service Bus and then federate that into the Network Deployment cell. Again, the deployment manager node needs to be configured for either WebSphere Process Server or WebSphere Enterprise Service Bus before the federation of the stand-alone profile. As you will see later, this approach has some limitations and drawbacks when it comes to resource naming.

There are two new response files to support this environment. The DmgrDB2 response file is used to run the configuration script against the deployment manager node while the ManagedDB2 response file is used to run the configuration script against the empty managed node. The standAloneProfileDB2.rsp may be used if you decide to federate a stand-alone node.



The configuration of WebSphere Process Server for z/OS or WebSphere Enterprise Service Bus for z/OS in a network deployment environment can be thought of as a three step process. You will run the configuration shell scripts against the deployment manager node first. This sets the deployment manager up to be able to manage a WebSphere Process Server or Enterprise Service Bus environment. You will then configure an empty managed node or stand-alone node to be able to host servers that have the WebSphere Process Server or Enterprise Service Bus function. Finally you will federate the empty managed node or stand-alone node into the Network Deployment cell. The starting point is shown in the graphic.



Starting with the deployment manager node, you need to run the zSMPInstall.sh script, pointing the runtime to the deployment manager configuration HFS. This will create symlinks in your WebSphere Application Server Deployment Manager configuration to the WebSphere Process Server or WebSphere Enterprise Service Bus product code. This is a task for the system administrator, since it is somewhat of an extension of the SMP/E install. You should use a WebSphere Administrator user ID to run the script. The zSMPInstall.sh script will also add plug-ins to the administrative console for new functions needed for the WebSphere Process Server or WebSphere or WebSphere Enterprise Service Bus.

IBM Software	Group	IRM
Configure de <was_home>/dbscrip</was_home>	ployment manager node bts/* CommonDB/DB2/createCommonDb2Zos.sql	
Needs Customization	CEI/DB2/createCeiDb2Zos.sql EsbLoggerMediation/DB2/createEsbDb2Zos.s ProcessChoreographer/DB2/createBpcDb2Zos	ql .sql
<pre>2. Create data cd <was_home>b for examp ./DBUtility.sh -DsqlScript) -DdbType=DB -DprofilePat -DdbJDBCProp -DdbConnect: -DdbJDBCClas -DdbUserId= -DdbDelayCon >/tmp/DBUti</was_home></pre>	Dases: Din Le, cd /WebSphere/V6R0M0/AppServer/bin A createTable Path.default=/u/wpswork/createCommonDb2 2UDBOS390_V8_1 -DdbName=xxxxV2 th= <was_home> Derties=<db2_properties_loc> ionLocation=<db2_location> sspath=<db2_jcc_home>/classes <db2user> -DdbPassword=<db2password> nfig=false -DdbCreateNew=false ility.output 2>/tmp/DBUtility.err</db2password></db2user></db2_jcc_home></db2_location></db2_properties_loc></was_home>	Zos.sql
	Network Deployment configuration © 20	8 007 IBM Corporation

In the next step, you should create the databases and storage groups that are needed. There are samples provided in the dbscripts directory as shown on the slide. Note that these files are all in ASCII and need to be customized so you will need to use an editor that is able to edit ASCII files or convert them to EBCDIC before editing. This shows an example of using the DBUtility.sh script in order to create the DB2 databases and storage groups. The createTable parameter tells the utility to run the sql or ddl file you specify in the sqlScriptPath.default parameter; the content of the file doesn't necessarily need to have anything to do with creating tables. Note that the dbName parameter can be anything here. It is merely used as a directory name where the sql or ddl is copied before it is run. If EBCDIC ddl is specified, it will be converted to ASCII before running.



Alternatively, techdoc PRS2520, found at the URL shown on the slide, contains sample SQL or DDL that can be used instead to create the DB2 database and storage group needed. The SQL DDL found in the techdoc assumes the use of one database and storage group for all the tables needed for WebSphere Process Server or WebSphere Enterprise Service Bus. The XXCell.sql or XXCell.ddl file needs to be customized for your installation but they are set up for global replacement making it very easy to customize.



The DmgrDB2 response file needs to be modified in order to run the augmentation against the deployment manager node. For detailed information on the parameters needed, see the simple configuration presentation. The DmgrDB2 response file has the same basic fields as the StandaloneDB2 response file but note that there is no need for CEI and business process choreographer information here. Those functions need a server host and at this point, there is none.

Once the response file is updated, you will run the zWPSConfig.sh or zWESBConfig.sh script against the deployment manager node. If you plan to have the augmentation configure the databases for you (you have set dbDelayConfig='false' in the response file), you will need to export your JCC LIBPATH as shown.

You should note that the deployment manager augmentation will no longer create a default messaging environment with Cloudscape as it did in V6.0.1.



Since a DB2 administrator will most likely be involved with setting up the databases, the next step most likely involves getting the DB2 administrator to run the .sql that was generated during augmentation. This can be done using the DBUtility.sh script. Note again that the .sql files are in ASCII. The generated .sql will configure the WPRCSDB Common Database. If you plan to log Enterprise Service Bus mediation events, you will need to customize the .ddl that is provided in the directory listed here. This file is in EBCDIC, and you will need to break the symlink and copy it to a writable HFS first.



Again, as an alternative, techdoc PRS2520, found at the URL shown on the slide, contains sample SQL or DDL that can be used instead to create the DB2 database tables needed. The SQL/DDL found in the techdoc assumes the use of one database and storage group for all the tables needed for WebSphere Process Server or WebSphere Enterprise Service Bus. The XXCell.sql is shown again for completeness but has most likely already been run. The files that you need to run will depend on what functions in WebSphere Process Server or WebSphere Process Server or WebSphere Enterprise Service Bus that you plan to use. You'll see that only the Common Database Tables and the SCA-related service integration bus tables are required. If you plan to use process choreographer, human tasks, ESB mediation logging or CEI, there are additional tables as noted on the slide.



After completing the deployment manager node configuration, move your attention to the empty managed node that you have configured. Remember, you should not have run the BBOWMNAN job yet to federate it! You will run the zSMPInstall.sh script again, this time specifying the configuration HFS for the empty managed node or stand-alone node that was created. This will again set up the symlinks to the product code from the configuration HFS.



Before running the augmentation job against the empty managed node, you need to update a copy of the ManagedDB2 response file. Again, the ManagedDB2 response file has the same basic fields as the StandAloneDB2 response file but note that there is again no need for CEI and business process choreographer information here. Those functions need a server and the empty managed node, by definition, has no servers defined. Note that you could instead use the StandaloneDB2.rsp to configure a stand-alone node. Once the response file is modified, you should run the zWPSConfig.sh or zWESBConfig.sh script in order to augment the node with WebSphere Process Server or WebSphere Enterprise Service Bus function.



Before starting the deployment manager in order to federate the augmented node, some variables need to be set. In that same techdoc, PRS2520, you will find a jacl script called fixWPSvars.jacl to assist you. It will update the DB2UNIVERSAL_JDBC path variables and set some needed properties in the JVM custom properties. These updates can be done manually in the administrative console but the .jacl script allows you to do it quicker and without having to restart the deployment manager.



Once both the deployment manager node and the empty managed or stand-alone node are configured, you can run the BBOWMNAN job to federate the empty managed node or stand-alone node into the Network Deployment cell. Also shown on the slide is the addNode.sh script invocation that will do the same thing. The includebuses parameter is required on the addNode command if federating a stand-alone node.

If you federate an empty managed node, there are still no servers defined where you can run a workload that uses the new WebSphere Process Server or WebSphere Enterprise Service Bus functions. In the case of the stand-alone node, there is a server defined and some of the additional function that needs a server may already be configured. For instance, it is possible that the process choreography and human task function may already exist.



As mentioned earlier, there are limitations when it comes to federating a stand-alone node that has been augmented with WebSphere Process Server or WebSphere Enterprise Service Bus. First of all, only initial federation is supported. This means that it is only supported if there are currently no other nodes in the network deployment cell. Then after the federation of the first stand-alone node, all other WebSphere Process Server or WebSphere Enterprise Service Bus-capable nodes that are federated must be empty managed nodes. Once federated though, you are able to promote the configured server to a cluster. Note that some data source scopes may change as you move the node into the Network Deployment cell. The data source for the jdbc/WPSDB definition is moved from the node to the cell scope, for instance.



Drawbacks were also mentioned when it comes to resource naming. After federation into the Network Deployment cell, you may notice that the names of the resources are still based on the original stand-alone node's cell name. This may be confusing in your configuration. On the slide here, the original cell name was ssbase2. If resources were originally created in the deployment manager node instead, they would have the correct sscell name.



The application names are also based on the stand-alone configuration. If you will eventually be configuring a cluster to run WebSphere Process Server or WebSphere Enterprise Service Bus applications, you may want to choose not to configure the business process choreographer and human task manager during augmentation of the stand-alone node. If you wait until you have created the cluster, the names will better reflect your configuration. The same goes for the SCA configuration. You probably do not want to inherit the stand-alone node's SCA configuration, but in that case, you have no choice but to configure it in the stand-alone node first. The empty managed node gives you better control over your configuration and is the recommended alternative.



Given the recommendation to configure an empty managed node rather than the standalone server in the network deployment scenario, the next slides will look at what's needed for that scenario. The first thing needed is a server or cluster to run a WebSphere Process Server or WebSphere Enterprise Service Bus workload. You will notice new server templates are available for the WebSphere Process Server and the WebSphere Enterprise Service Bus functions.

IBM Software Group				IR	M
Define servers to run workloads (continued)					
 Select the new server and change values as appropriate (for example, short name, ClusterTransitionName, HTTP transports) 					
		Application servers > test > An HTTP transport for comm	 HTTP transport nunicating requests to the web 	container.	
Application servers > test		Preferences	HTTP tra	ansports	
An application server is a server which provides services req applications. Configuration Short name		Select Host \Diamond	Port 9083 9446	SSL Enabled false true	
General Properties Name test	Applica Specifie internal	tion servers > test > H s arbitrary name and vi system configuration p	TTP transport > Custor alue pairs of data. The roperties.	n Properties value is a string that can set	
* short Name CLITEST	Prefe	Delete	ClusterTra	nsitionName	
	Select	Name 🗘	Value 🗘	Description 🗘	
		<u>ClusterTransitionName</u>	BBOC001		
Total 1 21 21 22 24 24 24 24 24 24 24 24 24 24 24 24				21 ration	

Once you have chosen one of the new templates and created a new server or cluster, you will most likely want to change some basic values as you would for a 'basic' application server. Some of the values you might change include the port numbers for the HTTP transports, the server shortname and the ClusterTransitionName as shown here.

IBM Software Group	
Configure service comp 13. <server name=""> > Service com</server>	onent architecture
<pre><cluster_name> > Service co</cluster_name></pre>	omponent architecture
Epipication servers Search 11 > Service Component Architecture The Service Comgonent Architecture page displays the current SCA configuration for a duster or server. If no co duster or server to host SCA applications. Configuration	 Configures service integration buses and messaging engines
Centeral Properties O Do not host SCA applications Use a remote destination location	Application Bus Use existing data source DefaultEDBTIMErDataSource
Configure a destination location Database Satup * JDBC provider DB2 z/OS 7 6 8 (DB2 Universal JDBC Driver Provider type 2) * Implementation dats name com.ibm.db2jscD82ConnectionPoolp	* Schema name dtabaseName=MV\$21501 dtype=2 serverName=localhost portName=50000
User name DE20 Pastword System Bus Use existing data source	Database properties tracelucie to Database properties tracelucie tracellie fullyMaterialisclobData=false resultBatidlability=2 currentDackageSate 💌
DefaultEJBTimerDataSource 💌	Create tables
* Schema name SSSCASTB databaseName=MV821501 divertyge=2 perthumber=5000 Database properties triplotens3D bateSurce for SCA tractorel triplotens1D bateSurce for SCA triplotens1D bateSurce	Apply OK Reset Cancel Change databaseName Uncheck 'Create tables'
Network Deploym	ent configuration 22 © 2007 IBM Corporation

WebSphere Process Server applications or WebSphere Enterprise Service Bus applications need the service component architecture customized. You can configure it easily in the administrative console as shown. You need to fill in some information on the database you plan to use for the messaging engines that will be created for you. Keep in mind that the schema names will differentiate the table names for each of the service integration buses.



Once you have the basic core functions set up for the WebSphere Process Server, you should decide if you need either the business process choreography container or the human task manager container, or both. Note that these functions are not available if configuring the WebSphere Enterprise Service Bus function. These are available only in the WebSphere Process Server product. If you are configuring the WebSphere Enterprise Service Bus, you can skip ahead to configure the common event infrastructure if needed.

There are two installation options for the business process and human task container. The path in the administrative console to the first option, the installation wizards, is shown. Starting with V6.0.2, this is the recommended option and will be shown here. The second option is jacl scripts, bpeconfig.jacl and taskconfig.jacl. These can be run interactively. Notice that the bpeconfig.jacl script has the ability to configure the human task container as well.

IBM Sof	tware Group			IRM
Using the i	installat	tion wiz	ard for B	PC container
Application servers > 2557011 > Business process The business process container provides services to business process container, you can only change th Configuration	container o run business processes vithin an app ne general properties on this page and	plication server. After installing the d on the custom properties page.	 Found under CLUSTER_N 	<server_name> or IAME></server_name>
General Properties	Additional Properties	ntainer installation vizard	 Creates varional the bpecontain 	ous resources/installs ner application.
Enable audit logging Retry limit S	<u>Runtime Configurati</u> <u>Custom Properties</u>	ion	Still need to	configure DB2 tables
Retantion queue message limit 20 Retantion queue jims/BPERetQueue Hold queue	Business process container ins	tallation wizard atabase configuration that th der. A nev XA datasource will be c	is business process container will use reated for this provider.	Database configuration
Apply OK Reset Cancel	* JDBC providers Implementation class name	DB2 z/OS 7 & 8 (DB2 Universa com.ibm.db2.jcc.DB2Connec	I JDBC Driver Provider type 2)	N 🖬
	Classpath	\$UBZUNIVEKSAL_DBC_DEVER_P \$UNIVERSAL_DBC_DEVER_P \$UBZUNIVERSAL_JDBC_DRIVE	K_PAI (N)/ db2(cc.)ar ThH//db2(cc_license_u)ar R_PATH)/ db2(cc_license_dsuz.)ar are s path may subs insta	list of paths or JAR file names which together form the tor for the resource provider dataset. Class path anthes separated by using the BITRE key and must not contain separate character (such as i'n or '1'. Class paths contain variable (symbolic) names that can be tittude using a variable map. Chack your driver allation notes for specific JAR file names that are inde.
	Data source user name	DB2D	HT 🖬	he user name used to access the data source
	Data source password Custom Properties	Statistic Marcal Magazia drive Type=2 serverName=MMS213.rtp.raleig portHumbe=50000 description=batsSource for Pro traceLavel traceTile= fullyMaterializeLobDats=false resultSetHoldability=2 currentPackageSet=	h.lbm.com	he password used to access the data source arme onsult the help documentation for more information or properties that might be required by the JDBC ider.
	Next Reset Cancel			
		Network Deployment	configuration	© 2007 IBM Corporati

This slide shows the installation wizard for the business process choreography container. It allows you to configure the server or cluster to have the ability to run applications that take advantage of process choreography. It is found under the server or cluster that you are configuring as shown on the slide. In the first step, you need to provide information about the database configuration that is being used by the business process choreographer. You should have this information from the database configuration that was done earlier.

	IBM Software	Group	IR			
Using	the ins	tallation wizard for BPC Conta	ainer			
→ Step 2 : Configure th Select the JMS configuration.	e configuration that this business e JMS configuration, SCA Bin	dings and Security settings JMS/SCA Configuration				
JMS configuration	-					
* JMS user ID	wsuser	The queue connection factory uses this user ID to establish a connection to the queue.				
* JMS password	•••••	The password for the user ID entered above				
SCA Bindings configuration						
* Webservice http://f	nost:port/ BFMIF_ssnode1_sss	r011 2 Specifies the Webservice endpoint for the Webservice API				
Endpoint /sca/co	m/ibm/bpe/api/sca/BFMWS	entered previousiy.				
Business process container :	security configuration					
* JMS API User ID	wsuser	API calls.				
* JMS API password		The password for the user ID entered above				
* Administrator security role	SSCFG	I The group from the domain's user registry that is associated with the business process				
* System monitor security ro	le neorol	administrator role.	administrator role.			
mapping	SSCFG	→ Step 3 : Configure the Business Process Choreographer Explorer, Business Process Choreographer Observer and Lo	ogging			
Previous Next R	eset Cancel	Choose whether to install the Business Process Choreographer Explorer and the Business Process Choreographer Observer. In addition, sele	ect the state			
		Business Process Choreographer Explorer.				
		Select this check box to install the Business Process Choreographer Explorer (Web client).	server			
		State observer longing				
		Enable audit logging for all processes running in this container.				
		Enable Common Sucet Tefractuative lengtes for all exercises succine in this container.				
Enable Common Event Intrastructure logging for all processes running in this container,						
Business Process Chareographer Observer.						
Select this check box to install the Business Process Choreographer Observer and the Business Process Choreographer Event Collector.						
* JMS User ID						
* JMS password a Valid password for the JMS User ID above.						
		Previous Next Reset Cancel				

In the second step, you will provide information that will be used for the JMS and SCA configuration and for security. The security groups input here need to be added to the appropriate EJBROLE definition if using a SAF-based registry. The appropriate EJBROLEs are BPESystemAdministrator and BPESystemMonitor.

In the third step, you should check the box to have the business process choreographer explorer installed. This provides a sample Web application that allows you to interact with business processes and human tasks to manage them.

IBM Software	e Group		
Using the inst container		wizard fo	<pre>server_NAME> or</pre>
Configuration	Additional Properties Human task container installation virand Ruiness process container Ruintine Configuration	<cluster_n creates="" taskcontaine<="" td="" varie=""><td>IAME> ous resources/installs the r application.</td></cluster_n>	IAME> ous resources/installs the r application.
Crable audt logging Critil Senice Sender a mult address Exclanation URL prefix Crable URL prefix Crable audt	Step 1: Configure the JM Select the JMS configuration. MS configuration	wizard	nd Security settings
Administratur URL prefix Administratur URL prefix Process Explorer URL prefix	JMS password SCA Bindings configuration Webservice http://host: Endpoint /sca/com/ib/	oort/ HTMIF_ssnode1_sssr011 m/task/api/sca/HTMWS	The password for the user ID entered above
	Human Task Manager security co * Escalation user ID * Escalation password * Administrator security role mapping * Suctam monitor security role	higuration honken sscFG	The user ID that the Human Task Manager vill use vhen processin To the password for the user ID entered above The group from the domain's user registry that is associated with administrator role. The group from the domain's user registry that is associated with
	Next Reset Cancel * Step 2 Select the Mail Sessio * Step 2 Select the Mail Sessio	SSCFG	system monitor role.
	Network Dep	loyment configuration	26 © 2007 IB <u>M Corporation</u>

The installation wizard for the human task container is found in the same place under the server or cluster you are configuring. The first step is similar to the JMS and SCA configuration you saw under the business process container configuration. The groups you specify in the security portion here would need to be added to the TaskSystemAdministrator and TaskSystemMonitor EJBROLES.



If you have any experience with the WebSphere Business Integration Server Foundation, the bpeconfig.jacl script should be familiar. It can be run interactively where you are prompted for all the values it needs or you can specify all values on the command line. To see all the possible parameters and for more information on running it, see the article in the information center.



Now that you have the business process choreography container and the human task manager containers configured, you can move on to the common event infrastructure. This is available in both the WebSphere Process Server and WebSphere Enterprise Service Bus environments. The event server enterprise application must be deployed in each WebSphere runtime environment where you plan to use the common event infrastructure. Examples of the wsadmin.sh script, to deploy the application, are found on the slide, along with configuration of the messaging support needed for the common event infrastructure. One example shows default messaging while the other shows an example where an external JMS provider is used instead.



The event server enterprise application needs some database resources. The config_event_database.sh script will create .ddl to allow you to create and configure the databases needed. The script needs a response file in order to run. You need to update the file specified and specify EXECUTE_SCRIPTS=NO.



Once the .ddl is created, have your DB2 Administrator run it if you haven't already used the sample found in the techdoc as shown on the slide, XXceidef.sql. You also need to create the data source for the WebSphere Configuration to point to the database. A shell script to create the data source is shown here.

Once CEI is configured, you should have a working Network Deployment configuration that includes WebSphere Process Server or WebSphere Enterprise Service Bus.

IBM	I Software Group	
DEC providers > DB2 Universal JI A data source is used by the applies which supplies the specific JBBC dri Configuration Test connection General Properties	Die settings DE Driver Prwider > Data sources > WPS SIB DataSource atton to accest data from the database. A data source is created under a JDBC provider; ter implementation dass.	Assuming one JNDI name for all MEs
	Application servers > sssr012 > Messaging engines > ssnode2.sss The persistent store for messages and other state managed by th Configuration Ceneral Properties UUID 605700DE56197A85 * Data source JNDI name jddc/MEDataSource Schema name SSAPPSIB Authentication alias sscell/SCAAuthDataAlias_ssnode2_sssr012 Create tables Apply OK Reset Cancel	er 012-SCA, APPLICATION, sebase 2, Bus > Data store te messaging engine. Related Items = J2EE Connector Architecture (J2C) authentication data entries
		an © 2007 IBM Corporati

Before starting the server, there are a few things that need to be completed however. The messaging engines that were created should be checked and fixed up. To simplify things, one JNDI name for all four messaging engines that are created during the configuration is recommended. This data source needs to be created and then you can use the fixWPSvars.jacl script again to update the Messaging Engine data stores. This is shown on the next slide. This all assumes that one database is being used for all the service integration buses.



As one last cleanup before starting the server, rerun the fixWPSvars.jacl script. This will update the data stores on your messaging engines to reflect the correct schema names and it will update the JNDI name to be the one just created. It will also add a name space binding for the "esb/messageLogger/qualifier" JNDI name. This is necessary if your schema name for the ESB database is not ESBLOG.



With that, you should have a fully configured WebSphere Process Server or WebSphere Enterprise Service Bus server and you can start it up. Check for any severe errors on startup and check that the messaging engines start. Errors are often seen with the database configuration so check for any SQL errors as well. SQL errors are very common. Once everything looks good, verify the configuration with the white paper shown at the URL on the slide. It has you verify each of the various components in a very informative, methodical manner.



This slide has the URL of the techdoc referenced many times in this presentation. It is the source of a lot of good information so you should be sure to explore it fully. The documentation points out that there is a 'lab' that takes you through a network deployment configuration step-by-step. It allows you to fill in the values that will be used in your installation and then provides a customized cookbook to help configure WebSphere Process Server or WebSphere Enterprise Service Bus in a Network Deployment environment. That URL is found at the bottom of the slide and is a good place to start in your Network Deployment configuration journey.



In summary, the Network Deployment Configuration of WebSphere Process Server and WebSphere Enterprise Service Bus is very manual compared to what is possible with the stand-alone configuration. Many .jacl and shell scripts are provided to make the job simpler and less error-prone though.



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