

This presentation will cover the DB2<sup>®</sup> configuration for WebSphere<sup>®</sup> Process Server for z/OS V7 and WebSphere Enterprise Service Bus for z/OS V7.

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Goals
<ul> <li>Describe DB2 requirements for WebSphere Process Server for z/OS V7.0 and WebSphere Enterprise Service Bus for z/OS V7.0</li> </ul>
<ul> <li>Describe options for database configuration</li> </ul>
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The goal of this presentation is to familiarize you with the DB2 requirements to run WebSphere Process Server or WebSphere Enterprise Service Bus. The presentation will look at the required DB2 configuration and options on how to configure it.



In order to implement WebSphere Process Server for z/OS V7.0 or WebSphere Enterprise Service Bus for z/OS V7.0, you must be using DB2 Universal Database Server for z/OS Version 8 or higher. If you plan to use Relationships, you will also need to have the stored procedure builder enabled (DSNTPSMP).

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Databases (default names)	
<ul> <li>WPRCSDB – common database used by:         <ul> <li>Relationship services</li> <li>Mediation</li> <li>Recovery</li> <li>Business rules</li> <li>Business space</li> <li>Selector</li> <li>Scheduler</li> <li>ESB mediation events</li> </ul> </li> </ul>	
<ul> <li>EVENT – used by Common Event Infrastructure</li> </ul>	
<ul> <li>BPEDB – used by Business Process Container and Human Task Manager – BPCReporting – used by Business Process Choreographer Explorer re</li> </ul>	eporting function
<ul> <li>BSPACE – used by Business Space</li> </ul>	
4 z/OS DB2 configuration	© 2010 IBM Corporation

The next couple of slides describe the databases needed by the WebSphere Process Server and WebSphere Enterprise Service Bus. This slide shows the main databases needed with the default names used. While there are four databases shown here, it is important to note that you really only need to configure the databases for the functions you plan to use. The WebSphere Process Server database, or WPRCSDB, is the common database that is the only 'required' database. It is used by many of the functions introduced with the WebSphere Process Server and the WebSphere Enterprise Service Bus products such as Mediation, Relationship Services and Business Rules. The Common Event Infrastructure, or CEI, requires an EVENT database but if you do not plan on using CEI, it is not necessary to configure it. The BPEDB is one used by the Business Process Container and the Human Task Manager, so again, it is only needed if you plan to configure those components and use them in the server. By default, the Business Process Choreographer Explorer reporting function also uses the BPEDB database. That can also be configured as a separate database however. Note that WebSphere Enterprise Service Bus only uses the WPRCSDB and EVENT databases.



There are also four service integration bus databases that might be used by the WebSphere Process Server or the WebSphere Enterprise Service Bus. Service integration buses support the deployment of service applications and mediation modules in the WebSphere Process Server and WebSphere Enterprise Service Bus environments. The first two databases shown on the slide here, SIBAPP and SIBSCA, are used by the Service Component Architecture so they are required in both environments. The other two databases shown, SIBCEI and SIBBPC, are needed only if you plan to configure CEI and Business Process Choreographer functions.

Dbase Name	Storage Group	Schema (owner)	VCAT DSN-hl
xxWPSDB	xxWPSSTO	XXCELL	xxWPS
xxBPEDB	xxBPESTO	XXCELL	xxWPS
xxSIBSDB	xxSIBSTO	xxSIBS	xxWPS
xxSIBADB	xxSIBSTO	xxSIBA	xxWPS
XXSIBCDB	xxSIBSTO	xxSIBC	xxWPS
xxSIBBDB	xxSIBSTO	xxSIBB	xxWPS
xxEVTDB	xxEVTSTO	XXCELL	xxWPS
xxBSP	xxBSPSTO	XXCELL	xxWPS
xxOBSVR	xxOBSSTO	XXCELL	xxWPS
where xx=cell lity is to use sepa abases have con	identifier (for instar Irate databases/sto Inmon tables/tables	nce, S7CELL) rage groups paces so need u	nique schem
	Dbase Name       xxWPSDB       xxBPEDB       xxSIBSDB       xxSIBADB       xxSIBCDB       xxSIBCDB       xxSIBBDB       xxEVTDB       xxBSP       xxOBSVR	Dbase NameStorage GroupxxWPSDBxxWPSSTOxxBPEDBxxBPESTOxxSIBSDBxxSIBSTOxxSIBADBxxSIBSTOxxSIBCDBxxSIBSTOxxSIBBDBxxSIBSTOxxSUBDBxxSIBSTOxxSUBBDBxxSIBSTOxxSUBSPxxBSPSTOxxOBSVRxxOBSSTOwhere xx=cell identifier (for instarting is to use separate databases/storting bases have common tables/tables)	Dbase NameStorage GroupSchema (owner)xxWPSDBxxWPSSTOxxCELLxxBPEDBxxBPESTOxxCELLxxSIBSDBxxSIBSTOxxSIBSxxSIBADBxxSIBSTOxxSIBAxxSIBCDBxxSIBSTOxxSIBAxxSIBBDBxxSIBSTOxxSIBCxxSIBBDBxxSIBSTOxxSIBCxxSIBBDBxxEVTSTOxxCELLxxBSPxxBSPSTOxxCELLxxOBSVRxxOBSSTOxxCELLwhere xx=cell identifier (for instance, S7CELL)ity is to use separate databases/storage groupsabases have common tables/tablespaces so need u

One of the first things you need to do when configuring the WebSphere Process Server or WebSphere Enterprise Service Bus is to figure out a naming convention for the many databases needed. This slide shows one option where unique databases and storage groups are used for each of the various components but a common schema name is used. One exception to the common schema name is the schema name used by the databases for the four possible Service Integration Buses. Since the Service Integration Bus databases use common table names, a unique schema name is needed for each bus to distinguish the tables. The convention shown here assumes a 2-letter cell identifier has been used for the WebSphere Application Server cell and that is pre-pended to each of the database component names. You'll note the unique schema names for the Service Integration Bus databases.

Database	Dbase Name	Storage Group	Schema (owner)	VCAT DSN-hlo
WPSDB	XXCELLDB	xxDBSTO	XXCELL	xxWPS
BPE	XXCELLDB	xxDBSTO	XXCELL	xxWPS
SIBs	xxCELLDB	xxDBSTO	xxyyS	xxWPS
	XXCELLDB	xxDBSTO	ххууА	xxWPS
	XXCELLDB	xxDBSTO	ххууВ	xxWPS
	XXCELLDB	XXDBSTO	ххууС	xxWPS
CEI	XXCELLDB	XXDBSTO	XXCELL	xxWPS
BSPACE	XXCELLDB	xxDBSTO	XXCELL	xxWPS
BPCReporting	xxOBSVR	XXOBSSTO	XXCELL	xxWPS
ere xx=cell io Another poss	dentifier (for insta ibility is to use or bases have comi	ance, S7CELLDB), ne database/storage mon table names se	yy=scope (for in e group/schema o need unique so	stance, S7S1 name chema

Another option is to use a single database for all the components with a common storage group and schema name. Again, since the Service Integration Buses use common table names, they need to be distinguished with unique schema names. The cell identifier and scope identifier is appended with a letter denoting the particular service integration bus it is being used for. For instance, 'C' is used to denote the service integration bus used for CEI.

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Database	Scope	Dbase Name	Storage Group	Schema (owner)	VCAT DSN hlq
WPSDB	Cell	xxCELLDB	xxDBSTO	xxCELL	xxWPS
BPE	Server/Cluster	XXCELLDB	xxDBSTO	xxSRyyz	xxWPS
SIBs	Server/Cluster	XXCELLDB	XXDBSTO	xxSRyy <i>z</i> S	xxWPS
	Server/Cluster	XXCELLDB	xxDBSTO	xxSRyy <i>z</i> A	xxWPS
	Server/Cluster	XXCELLDB	XXDBSTO	xxSRyy <i>z</i> B	xxWPS
	Server/Cluster	XXCELLDB	xxDBSTO	xxSRyy <i>z</i> C	xxWPS
CEI	Server/Cluster	XXCELLDB	xxDBSTO	xxSRyyz	xxWPS
BSPACE	Server/Cluster	XXCELLDB	xxDBSTO	xxSRyyz	xxWPS
BPCReporting	Cell	XXCELLDB	XXDBSTO	XXCELL	xxWPS
3PCReporting	Cell	XXCELLDB		its scope	xxWPS

A third option is to use a single database for all the components with a common storage group but to use the database scope in the construction of the schema names. This will, for instance, allow you to create more than one server or cluster in a cell that hosts business process choreography applications. As explained on the slide, the schema names use a server or cluster identifier and a possible LPAR identifier to distinguish the tables. Keep in mind that the naming possibilities are endless and you will need to take your installation's conventions into account. These are just shown as a few possibilities to get you thinking about your own conventions.

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DB2 configuration	
<ul> <li>Talk to your DB2 administrator earlyplan!</li> <li>Need information about your database configuration to continue</li> </ul>	
9 z/OS DB2 configuration	© 2010 IBM Corporation

An important point you should get from the naming consideration slides is that early in the WebSphere Process Server or WebSphere Enterprise Service Bus configuration process, you should talk to your DB2 administrator. You will need to decide on the conventions that are used before getting too far into the configuration process. Take some time to do some planning up front! The configuration scripts, zWPSConfig or zWESBConfig, will need information about the DB2 objects that you plan to use. The next few slides will show you some tools to help in the DB2 configuration process.



As you have seen, in order to use WebSphere Process Server for z/OS and WebSphere Enterprise Service Bus for z/OS, some databases, tables and other objects are needed. The tools shown on the slide are useful in the configuration of these objects on DB2. The first tool, dbDesignGenerator, is new in version 7. It is provided to help in the design of the databases needed for various components of the WebSphere Process Server and WebSphere Enterprise Service Bus products. This tool allows the database configuration to proceed in parallel once the zWPSInstall or zWESBInstall scripts have been run, thus allowing better separation of responsibility between the database configuration for your installation, the tool creates a file that can be used as input to the WebSphere Process Server or WebSphere Enterprise Service Bus augmentation process. It is used as input to the augmentation process and the deployment environment creation process. This ensures that your database configuration matches your WebSphere Process Server or WebSphere Enterprise Service Bus configuration. The tool will also generate the corresponding SQL that can then be turned over to your DB2 administrator to run.

The second tool, createDB.sh, is still available to run the SQL but it is no longer responsible for tailoring the SQL and DDL files as it has been in past releases. DbDesignGenerator has taken over that task. SQL for the Common Event Infrastructure (CEI) is an exception to this. You will see on a later slide how it is needed to tailor the SQL for the CEI component. Note that createDB is shipped as a sample so it can also be tailored to meet your installation's requirements if need be.

Another new tool in version 7 is the Ddl2Pds tool. It allows you to take the SQL that is created for you by dbDesignGenerator in the HFS and move it over to a PDS so that it can be run from there instead. It takes care of codepage translation for you.



This slide is meant to show how the various tools work together to give you a configured system. Starting in the top left corner, you see that you need to work with your DB2 administrator to run the DbDesignGenerator 'tool', or shell script. You will need information from your DB2 administrator as input to the tool. The output of the DbDesignGenerator tool is a dbDesign file that is the used as input to the WCT for your augment definition. As shown on the slide, that is used by your WebSphere administrator when running the zWPSConfig shell script during augmentation. The dbDesign file is also used as input to generate SQL scripts for database definition as shown to the right of the DBDesignGenerator box. The dbDesign file allows the database definition to easily match the WebSphere configuration that is created when running the zWPSConfig shell script used for augmentation. Once you have the SQL table definitions created using the DbDesignGenerator, those are used as input to the createDB shell script. The createDB shell script does a few things for you. If you are able, it will actually create the needed DB2 configuration by running the SQL that has been created as seen by the dashed line leading to the DB2 configuration. If running the SQL at this point is not an option, you should use it to concatenate the SQL into component files that are more easily processed by your DB2 administrator. You should also use it to create the SQL for CEI at this point. Remember, the SQL for CEI hast has not been created for you by dbDesignGenerator. Once all the SQL has been created, you can pass it to the Ddl2Pds shell script as shown in the top right corner. This will copy it to a PDS that can be used as input to DSNTEP2 or SPUFI to be run by your DB2 administrator. You will see more details on each of these tools on the next slides.



The DbDesignGenerator shell script is known as the database design tool, or DDT. It is found in the util/dbUtils directory under the WAS HOME directory after you have run zWPSInstall or zWESBInstall. The output from running the DDT is a dbDesign document. The tool can be run interactively to prompt you for various information it needs to create the dbDesign document. As shown on the previous slide, the dbDesign document can then be used as input to the zWPSConfig shell script to augment a Websphere configuration to include WebSphere Process Server or WebSphere Enterprise Service Bus function. The DDT tool can also use the information in the dbDesign document to generate the SQL scripts for the DB2 configuration needed for the products. You see on the slide that the DDT allows you to create a database design for the entire environment, either stand-alone or deployment. It also allows you to create a design for a single component, such as BPC. If you have an existing configuration, option number three allows you to start with that database design and make only needed changes so you do not have to start the design from scratch each time. Option four will take a populated dbDesign document and generate the SQL scripts for you. This presentation will show you the design creation for a deployment environment.



One of the first things the DDT asks about, as shown on the slide, is the topology that you are configuring. Once that has been selected, you can then go through each component that you plan to configure and input the needed information for your particular database system. The WBI\_CommonDB configuration is required before doing any other. It is considered to be the 'master' component. In this example, the WBI\_SCA\_SYS\_ME component is the 'parent' to each of the other SibME components and needs to be configured before any of the others. This slide shows the wps.nd.topology but the other topologies are similar with the 'master' component being the first component required and 'parent' components being pre-requisites for others. You'll see the CommonDB configuration on the next few slides.



Since you are creating a dbDesign document from scratch, WBI\_CommonDB will not show as 'complete' when selected. You want to specify 'y' to edit the component. One of the next pieces of information that you are asked to provide is the database type. You'll notice that DB2 for z/OS Versions 8 and 9 are highlighted here. These are the options you'll want to select for your WebSphere Process Server for z/OS or WebSphere Enterprise Service Bus for z/OS configurations. While Derby is supported in the standalone case, you do not need to create a database design document to use that. That can more easily be configured automatically during augmentation.



As you move to the next screen in the DDT, it will prompt you for values that will be used to configure the database objects that are needed. For many of the values, you are given the opportunity to accept the default value shown, by hitting enter. In this example, the default database name was overridden while all of the default bufferpools were used. If there is no default value, as seen for the 'database location', you need to provide a value before it will allow you to continue. As seen at the bottom of the slide, you need to specify data source properties before the component is considered complete.



For data source properties, you are prompted for the type of JDBC Driver provider you are configuring. This slide shows the local, type 2 driver being configured. The important information here is the JDBC driver path and the JDBC driver native path for your DB2 installation. Once you have provided this information, the WBI\_CommonDB component is marked as complete.

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Now back on the database component screen, you will see that many of the components are actually marked as 'complete' after finishing only the master component. All components need to be complete before having a valid dbDesign document. You see here that only the business space component is still incomplete. The business space component will prompt you for a tablespace name prefix as seen on the slide. This can be up to four characters in length but will default to BSP if not changed. Once the business space configuration is marked as complete, you can theoretically generate the dbDesign document however it's a good practice to verify the values that are being used for the other components as well. For example, typically the default value for "Database schema" name (SQLID)" is set by component. It is not inherited from the Common DB settings as you might expect, and so it is likely that you will want to customize that field.



On this slide you see the configuration for the BPC component. While it is complete, you should note that some of the default values that are used may not be what you had intended. For instance, the default database schema name is WPRBE00. You will see that was changed to S7CELL to match naming conventions. The DB2 volume-ids and storage group were also changed.



Recall that the WBI\_SCA\_SYS\_ME component was defined as a parent of all the other SibME components. For the stand-alone configuration, the SibME components are actually children of the CommonDB. This slide shows the definition of the parent in the network deployment case. You'll note that the only field needed for the other SibME components, or children, is the schemaName. This is shown on the bottom of the slide. You will most likely want to change the defaults for each one.



After checking each component to make sure it matches the design you had settled on, you need to do a 'save and exit' in order to create a dbDesign file. You will use this file as input to the augment. Finally, you are then given the option of generating the SQL for your database objects. This is shown on the next slide.



After entering the location of the database design file that was specified on the previous slide, you are prompted for an output directory for each component to generate the required SQL. In order for the createDB shell script to find the scripts, you should keep the default directories. You'll notice that there is a warning about database script generation for the CEI component. The createDB shell script is used for this instead. Once you have provided output locations for the SQL for each component, you are done and ready to move on to running the SQL.



Here you see the default directories where SQL is generated. A directory for each component is created in the <WAS\_HOME>/util/dbUtils directory by default. Here you see the default names for a DB2 for z/OS Version 8 installation. You can change where the SQL is generated by specifying a full path as seen on the slide.



The next tool, createDB, is shipped as a sample and you can update it as needed to conform to your installation's requirements. createDB.sh was used in prior versions of the product to actually create the tailored SQL and DDL and then optionally run it. In version 7, it can still optionally be used to run the SQL but you must use the DbDesignGenerator tool to tailor the SQL first. It is no longer responsible for the creation of the tailored SQL and DDL files, with the exception of the CEI component. You will see that on a later slide. In order for the createDB shell script to find the SQL generated by DbDesignGenerator, you must have saved it to the default directories unless you have updated the createDB sample to find it elsewhere.

The tool is found in the zos.config/sample directory in your SMP/E directory. In order to use it, you need to copy it to a work directory and update it for your installation. You'll see this on the next slide. After it has run, output and errors are found in the cdbtmp directory in the output.out and error.out files.



Here you see the portions of the createDB shell script that need to be updated. The first set of edits has to do with environment variables that are needed in the shell environment such as the location of your WAS\_HOME. The second set of edits is used to define the DB2 environment in your installation. A new variable in version 7, ConfirmRun, allows you to disable the confirmation so that you can easily run the script from a batch job.

		IEM
createDB createDE create	S.sh (3 of 6) S.sh ?	createDB.sh +All -DBCreate
+DBCreate -DBWPS +DBWPS -DBBPC +DBBPC +DBBPR -DBBS +DBBS -DBCEI +DBCEI +DBCEI +DBSIB *DBSIB *DBSIB -All +All -RunSQL +RunSQL -UseSqlid +UseSqlid	Create Database Bypass WPS tables Define WPS tables Define BPC tables Bypass BPC tables Define BPC Reporter tables Define BPC Reporter tables Bypass BusinessSpace tables Define BusinessSpace tables Bypass CEI tables Define CEI tables Bypass SIB Define SIB Drop/Define SIB Set All Bypass Set All Define Do not execute SQL Execute SQL Bypass Setting SQLID SET CURRENT SQLID	-DBBP4K Buffer pool value -DBBPIndex Buffer pool value -DBBP8K Buffer pool value -DBBP16K Buffer pool value -DBPrefix <prefix> DataBase Prefix 2 characters -DBScope <scope> DataBase Scope 2 characters i.e S1/N1/C1 -DBSchema DataBase schema -DBJDBCClasspath JDBC Classpath -DBUser DB Userid -DBJDBCProperties Properties -DBConnectionLocation Conn location -DBDBlayConfig Delay config -DBHostName IP address -DBServerPort Port number -DBVolumes DASD Volumes -DBVCat Catalog</scope></prefix>
25	z/OS DB2 configuration	© 2010 IBM Corporation

To see what parameters are available for the createDB script, specify a question mark as a parameter as shown. The plus and minus signs are used to tell the script to either add a task or take one away. For instance, you can specify '+AII –DBCreate' in order to do everything except actually create the database. In that case, all SQL is run except the SQL to actually create the database and storage groups; the database and storage groups would already need to exist. The default behavior can be updated in the script itself by setting variables to 'true' or 'false'. For instance, the default behavior of the shipped sample is to define the WPS tables. In order to change that default behavior, you can update the DBWPSCreate variable in the script to be 'false'. As you recall, the job of createDB isn't actually to create the tailored SQL anymore so what does something like +DBWPS mean when you are not actually running the SQL? You will see that on the next slide.



The default location that the createDB shell script will look for the SQL to run is in component directories found in the util/dbUtils directory. The directory for the CommonDB is shown here. You will see that there are actually many SQL files that are created in that directory and need to be run. The order in which they are run can be important too. This is where the createDB helps out again.



If you allow the createDB shell script to run the SQL, it actually runs the SQL found in the cdbtmp directory. It does a concatenation of all the SQL files created in each of the component directories created by dbDesignGenerator before actually running the SQL. You can use this to your advantage by running the concatenated SQL rather than having to run each of the SQL files created by the dbDesignGenerator script. The SQL scripts are ordered correctly and you are less likely to miss one.

The CEI component was not tailored while running the dbDesignGenerator script. That is created for you in the cdbtmp directory by the createDB shell script as ceidb.sql and ceidbx.sql. So, in order to get the tailored SQL concatenated by the createDB script without actually running it, you can use the command with the minus RunSQL parameter. That gives you the SQL files shown on the slide that can then be handed over to your DB2 administrator to run. Note that the default database uses many cylinders so you might want to adjust space requirements for non-production cells.

Finally, if you have the authority to run the SQL, you can specify plus RunSQL and it will tailor the CEI SQL for you, concatenate the SQL into the files shown and actually run it automatically.



Finally, here is an example of running the createDB shell script as a batch job, specifying that it should do everything but run the SQL for you. Remember, that the ConfirmRun parameter must be set to 'n' in the createDB script in order to run it in batch mode!



The last tool at your disposal that this presentation will talk about is the Ddl2Pds shell script. It allows you to easily move the SQL created by the DbDesignGenerator and createDB tools from the HFS environment over to the z/OS environment. Moving it to a PDS where DB2 administrators can use their favorite tools, such as SPUFI and DSNTEP2, to run the SQL can be tedious and error prone. Ddl2Pds worries about the codepage translation from ASCII to EBCDIC for you. The DB2 administrator can then concentrate on the creation of the WebSphere Process Server and WebSphere Enterprise Service Bus database objects for you. It is found in the zos.config/sample directory of your SMP/E directory.



To run the tool, three parameters are required. The first one is 'Source' and for that you need to specify where your SQL or DDL files are found in the HFS. The second required parameter is 'PDS' which tells the tool what PDS to copy the DDL or SQL to in the z/OS environment. It is created for you if it does not already exist. The third required parameter is 'Component'. This tells Ddl2Pds what files to transfer over to the z/OS environment. You can select a particular component or you can specify that you want to transfer all of the SQL and DDL files in the given directory over to the z/OS environment. They must have a DDL or SQL file extension. The 'Prefix' parameter is a prefix for the PDS members. You'll see how this is used on the next slide. The tool needs a work directory for its processing so if you want to use something other than /tmp, you can specify the 'WorkDir' parameter. Finally, if you need to specify that you want to have Ddl2Pds convert from ASCII to EBCDIC you can specify the ConvertCodePage parameter. By default, the tool will convert SQL files but assumes that DDL files are already EBCDIC.

						IBM
Ddl2Pds.sh (3 of	3)					
Example:						
./Ddl2Pds.sh -Source /u/wsu	ser/wpswork/s7cell/	/cdbtmp -PDS 'v	vsuser.wps.dk	02' -Component AI	L -Prefix S7	
Ddl2Pds script executing	. Sun Mar 14 22:28	:24 EDT 2010				
Source = /u/wsuser/wpswork	/s7cell/cdbtmp					
PDS Member Prefix = S7		BROWSE		WSUSER.WPS.E	)B2	
Work Directory = /tmp		Command =	==>			
Component = ALL			Name	Prompt	Size	
Codepage conversion = OnSuf	fix		S7ALL1			
Puter of the survey of the survey is	]]		S7ALL2			
Enter y to proceed, anythin	g eise to cancei		S7ALL3			
Ŷ			S7ALL4	-		
Creating wsuser.wps.db2			S7README			
J			**End**			
Processing SQL file BSpa	ce.sql					
	BROW	SE WSUSI	ER.WPS.DB	2(S7README)		
Processing SQL file bpc.	Comm	and ===>				
Processing SOL file bpcr	.sa] *****	*******	******	жжжжжжжж Тс	p of Data >	******
	Ddl2P	ds log fil	e created	by HONKEN S	Sun Mar 14 2	22:28:27
Processing SQL file comm	on.sql BS	pace.sql c	opied to	member S7ALL	.1	
	bp	c.sql copi	ed to mem	ber S7ALL2		
Ddl2Pds processing complete	bp	cr.sql cop	ied to me	mber S7ALL3		
	CO	mmon.sql c	opied to	member S7ALL	.4	
	Ddl2P	ds log fil	e closing	Sun Mar 14	22:28:33 EI	OT 2010
31 z/OS DB2 conf	guration				© 2010	IBM Corporation

Shown here is an example of running the Ddl2Pds shell script. Notice that 'ALL' is specified for the component parameter so all DDL or SQL files in the specified source directory is copied to the specified PDS. Each file that matches the component you specify is translated to a member whose name starts with the prefix you have specified, followed by the component name you specified and ending in a number. To translate from the file name in the HFS to the PDS member name, you can look in the prefix>READMEmember in the PDS. Note that if you specify one of the components such as BPC or CEI, the tool expects the file names that are created, by default, by the DbDesignGenerator script.



In summary, there are many tables that you need to have defined in DB2 to run WebSphere Process Server or WebSphere Enterprise Service Bus. Talk to your DB2 administrator early and decide on naming conventions. There are tools to help you with the database configuration. They are DbDesignGenerator, createDB and Ddl2Pds as seen in this presentation.



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