

































































































Informatic InfoCe library	on is in th enter" on site :	ne " WebSphere for z/OS In the WebSphere for z/OS
http://ww rv/zos	<u>w.ibm.co</u> os390/lil	m/software/webservers/appse brary/
	BBO	Identifies it as a WebSphere for z/OS message
	BBO DYNA	Identifies it as a WebSphere for z/OS message Identifies it as a WebSphere for z/OS Dynamic Fragment Cache message
	BBO DYNA c	Identifies it as a WebSphere for z/OS message Identifies it as a WebSphere for z/OS Dynamic Fragment Cache message Indicates the component
	BBO DYNA c	Identifies it as a WebSphere for z/OS message Identifies it as a WebSphere for z/OS Dynamic Fragment Cache message Indicates the component A unique identifier


























































































z/OS MODIFY co	ommands
 to send requests t use server name. 	to the controller region not started task name (STC)
MODIFY < Server NA	ME>, DISPLAY, < Options>
– Server NAME – DISPLAY	Server name as specified in JCL Fixed keyword
– Options	HELP, SERVERS, TRACE, WORK
returns this inform	mation:
 STC/server name 	ne Started task name and server
– Status	ACTIVE
– System name	SYSID of your system with active WebSphere for z/OS
– Level	Build level of your WebSphere
Redbooks	Server ibm.com/redbooks







































Level	Consequence	
Fatal	Task cannot continue and component cannot function	
Severe	Task cannot continue but component can still function	Log Details
Warning	Potential error or impending error	Level
Audit	Significant event affecting server state or resources	
Info	General information outlining overall task progress	
Config	Configuration change or status	
Detail	General information detailing subtask progress	
Fine	Trace information - General trace	
Finer	Trace information - Detailed trace	
Finest	Trace information - A more detailed trace - Includes all the detail needed to debug problems	
All	All events are logged. Inclusive custom logs.	































<pre>SY1 0BOAT008 0400002 00:14:57.268258 Dispatch Method ASID 0039 TCB 009B34A0 PSW1 078D2400 SESS 00000008 REQI 0000006C Class Name = JPOlicyEmSQLMO Method Name = get_policyNo objectPtr refcount = 3 0x0000003 objectPtr refcount = 3 0x0000003 objectPtr refcount = 10 13007002 , hex format will be used. SY1 N/A 13007002 00:14:57.272682 N/A 0002009E 34A0078D 24000039 00000008 policyNo 00120402 05DD1796 9389338 C205C994 PolicyNo 00120402 05DD1796 9389338 C205C994 </pre>



This section describes Database Connect connector betwee and the database.	s the trace for the Java or (JDBC). The JDBC is the in the WebSphere for z/OS There are 2 trace methods.
The first is based in L	ogging Jova for WahSphara
for z/OS and is a J	VM trace.
for z/OS and is a J	VM trace. Trace string for databases that use the GenericDataStoreHelper. You can also use this trace string for unsupported databases.
for z/OS and is a J	VM trace. Trace string for databases that use the GenericDataStoreHelper. You can also use this trace string for unsupported databases. Trace string for DB2 databases
for z/OS and is a J com.ibm.ws.database.logwriter com.ibm.ws.db2.logwriter com.ibm.ws.oracle.logwriter	VM trace. Trace string for databases that use the GenericDataStoreHelper. You can also use this trace string for unsupported databases. Trace string for DB2 databases Trace string for Oracle databases
for z/OS and is a J com.ibm.ws.database.logwriter com.ibm.ws.db2.logwriter com.ibm.ws.oracle.logwriter com.ibm.ws.cloudscape.logwriter	VM trace. Trace string for databases that use the GenericDataStoreHelper. You can also use this trace string for unsupported databases. Trace string for DB2 databases Trace string for Oracle databases Trace string for Cloudscape™ databases
for z/OS and is a J com.ibm.ws.database.logwriter com.ibm.ws.db2.logwriter com.ibm.ws.oracle.logwriter com.ibm.ws.cloudscape.logwriter com.ibm.ws.informix.logwriter	VM trace. Trace string for databases that use the GenericDataStoreHelper. You can also use this trace string for unsupported databases. Trace string for DB2 databases Trace string for Oracle databases Trace string for Cloudscape™ databases Trace string for Informix® databases
for z/OS and is a J com.ibm.ws.db2.logwriter com.ibm.ws.oracle.logwriter com.ibm.ws.oracle.logwriter com.ibm.ws.cloudscape.logwriter com.ibm.ws.informix.logwriter	VM trace. Trace string for databases that use the GenericDataStoreHelper. You can also use this trace string for unsupported databases. Trace string for DB2 databases Trace string for Oracle databases Trace string for Cloudscape™ databases Trace string for Informix® databases Trace string for Microsoft SQL Server databases



J	DBC tra	ce formatted with the flw subcommand.
Trace V	ersion	: DB2 7.1
Driver Build Version		: DB2 7.1 UQ85384 JDBC 2.0
Trace C	aptured at	: Mon Oct 4 20:15:02 2004
Trace b	uffer size	: 262144 bytes
Records to keep		: LAST
Trace truncated		: NO
Irace w	rapped	: NO
Shared	Memory Address	: UXIE5CA568
First e	mpty slot	: /604
frace f	able Address	: 0X1E681030
Decende	in trace	: 7592 Dytes
1	SQLJ fnc_entry pid 0x007fb620; 0000 0000	<pre>sqlj_JDBC_Driver DB2SQLJ_sqlj_driver_native_init (2.1.7.1) tid 0x007fb620; time 1096935302; tpoint 0</pre>
2	SQLJ fnc_entry pid 0x007fb620; 0000 0000	sqlj_JDBC_AttachMgr sqlj_Attach_Global_Init (2.1.14.1) tid 0x007fb620; time 1096935302; tpoint 0
3	SQLJ fnc_data pid 0x007fb620; 0000 0001 0000	sqlj_JDBC_AttachMgr sqlj_Attach_Global_Init (2.3.14.1) tid 0x007fb620; time 1096935302; tpoint 1 0004 37ac 75d0)
4	SQLJ fnc_entry pid 0x007fb620; 0000 0000	sqlj_Native_Util sqlj_memAlloc (2.1.3.1) tid 0x007fb620; time 1096935302; tpoint 0











CEE3DMP 5:19:06	/1 R3.0: C PM	ondition proces Page:	sing result	ed in the unha	ndled condi	tion.	09/18/02
Informat	ion for en	clave main					
Inform	tion for	thread 23BO0F10	00000000				
Tracebac	G						
DSA /	lddr Prog	ram Unit PU Ad	dr PU Off	set Entry	E Addr	E Offset	Statement
226D4769	Service	Status Occuepto	100000906	700000	06006040	+00000906	
CEEEV003		Call	+00000808	_201105	00000040	+00000800	
23603008	CEEHDSP	06E7C2B0	+00002BE6	CEEHDSP	06E7C2B0	+00002BE6	
CEEPLPKA		Call			00270200		
		/src/	/share/java/	runtime/ini.c			
236D37B8		26091830	+00000528	JNI CreateJav	aVN 2609183	0 +00000528	4432
*PATHNAM		Exception		-			
236D32C0		1C2FBEE0	+00001270	loadAndInitVM	(JavaVM_**,	JNIEnv_**,SOM	Exception*)
					1C2FBE	0 +00001270	411
BBOLRT	CB30038	Call					
23603210		1C301E88	+000002BE	getJavaEnv (SO	MException*)	1.670
DOLLAT	0000000	C-11			103016	38 +UUUUUZBE	16/9
22602059	CB30036	10202960	+00000002	huild lavaClass	c/const_cha	rt SOMExconti	on*)
230030F8		10302860	+00000092	DuffuJavacias	102020	, 30MEXCept1	1021
BROLDT	CB20036	Call			1050200	10 100000032	1921
000000	0000000	102045 50	+00000144	odoci Nov0	biost (SOMC)	accDof* SONEy	contion*)
























Java Garbage Collection Formatter



































Indules and description to verify in TPV	
Modules:	Description:
Average response time	Inludes statistics such as servlet or enterprise beans response time
Number of request	Enables understanding of how much traffic is processed by WebSphere for z/OS, thus helping determine the capacity to manage
Web and EJB Thread Pools Database and connection pool size	Interpret these metrics together. These thread pools might constrain performance due to their size.
JVM Memory	Use the JVM memory metric to understand the JVM heap dynamics, including the frequency of garbage collection.




































































































































