

Configuring the OMEGAMON Product Family: The PARMLIB Alternative Approach

Cecile C. Day (dayce@us.ibm.com)

*z/OS Installation & Configuration Assistance Tool (ICAT/PARMLIB) Developer
IBM Corporation*

Wednesday, August 4, 2010: 9:30 AM-10:30 AM ET
Room 107 (Hynes Convention Center)
Session 7627



SHARE in Boston

Agenda

- ▶ Summary – What is PARMLIB?
- ▶ Installation of OMEGAMON via “ICAT”
- ▶ Installation via “PARMLIB”
- ▶ List of PARMLIB-enabled Products by Phase
- ▶ PARMLIB Phase 2 Details
 - ▶ *Details of PARMLIB Procedure*
 - ▶ *KCIJP* Batch Jobs*
 - ▶ *\$PARSE Batch Job*
 - ▶ *\$CFG* CONFIG User Profile*
 - ▶ *Parameter On-line Help*
 - ▶ *Parameter Validation*
 - ▶ *PARMLIB IVP*
- ▶ PARMLIB Documentation



Summary – What is PARMLIB?

► PARMLIB:

- ▶ Alternative configuration method to the ICAT (a.k.a. z/OS Configuration Tool) for OMEGAMON/ITM-based products.
- ▶ Rivals the ease and speed of configuring OMEGAMON applications through ICAT's "Batch Mode" configuration method.
- ▶ Updates OMEGAMON runtime members according to a PARMLIB CONFIG profile pre-defined by the customer as that JCL is copied from SMP/e targets to work output libraries equivalent to the production runtime environment (RTE) libraries, so customers are able to stage changes based on their schedules.
- ▶ As of Phase 2, it is as easy to use as submitting **10-14 “RTE-centric” composite batch jobs**. It is an intuitive process that is simpler than learning to use the current ICAT tool.
- ▶ Customers can use PARMLIB, or until they are ready to use this new process, they can continue to use ICAT. ICAT is **still the primary mode** of configuration in the current GA releases of z/OS ITM V6.2.2 and OMEGAMON XE V420s, OMEGAMON XE for Messaging V701, etc.
- ▶ Is being delivered in phases throughout **2010 – 2011*** to maximize the opportunity for customers to provide their input and influence the design.

Summary – What is PARMLIB?, continued

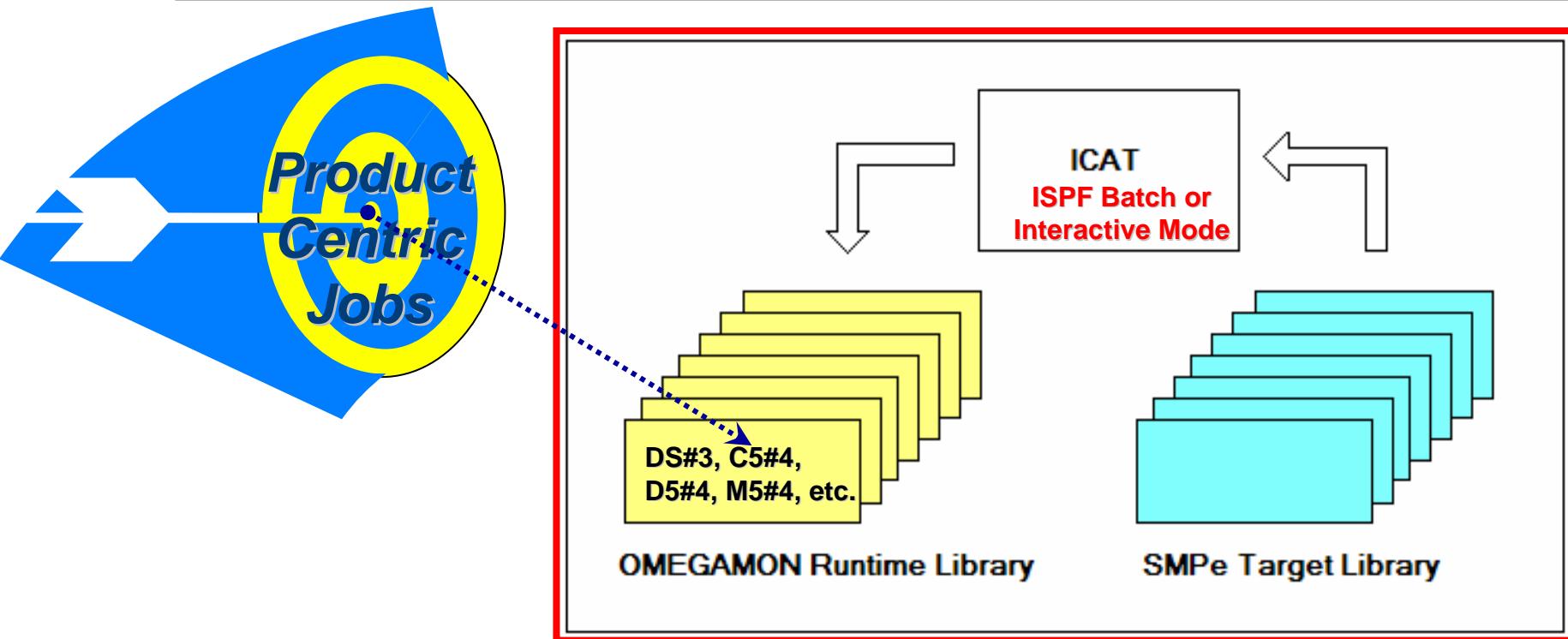
► CAVEATS*:

- ▶ PARMLIB mode of maintaining RTEs in a mixed environment is not supported if you have products in the RTE that are enabled for PARMLIB and products that are not enabled for PARMLIB support yet*.
- ▶ For current phases, interoperability support extends only to setting up a **new PARMLIB environment** based on existing ICAT RTE values to quickly set-up the PARMLIB CONFIG user profiles. Maintenance of the new RTE will only be done via PARMLIB mode exclusively (i.e., ICAT→PARMLIB but not PARMLIB→ICAT) as there are major enhancements implemented in PARMLIB mode (e.g., RTE centric) that are not supported in ICAT mode.
- ▶ Current PARMLIB phases do not contain system variable support yet*.

Installation of OMEGAMON via “ICAT” (Product-centric)

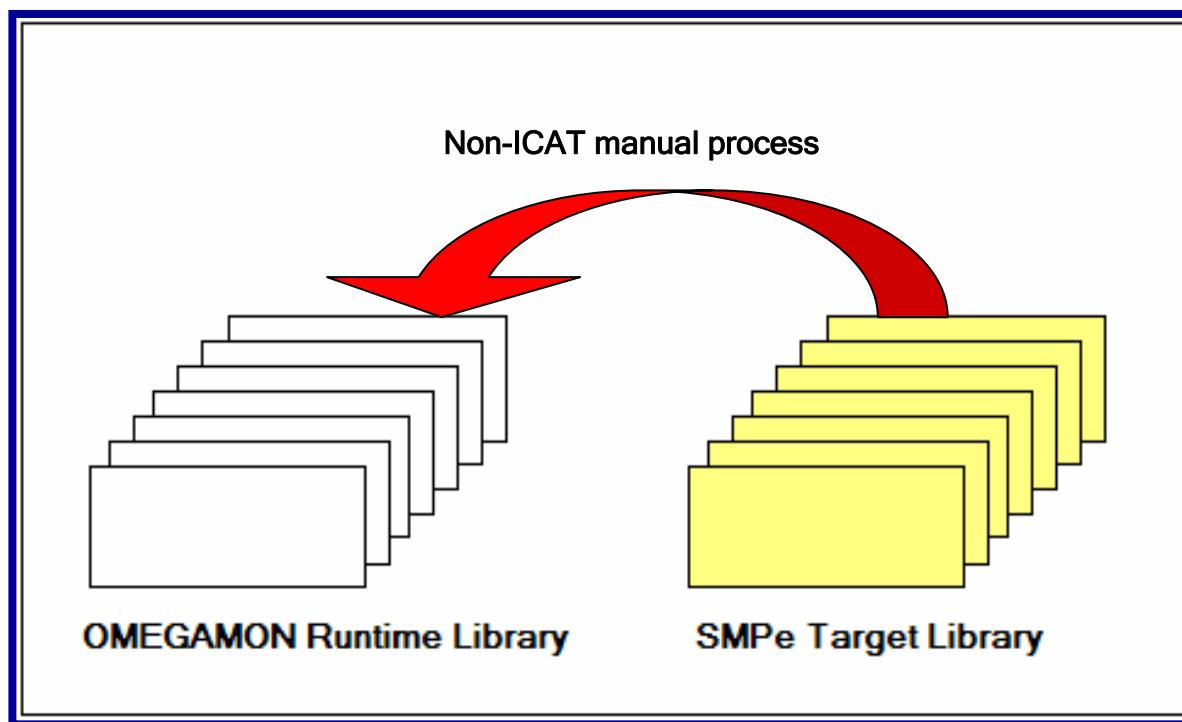
SHARE
Technology • Connections • Results

1. ICAT solicits the end-user for configuration information.
2. Customer-supplied values are verified for correctness.
3. ICAT reads in SMP/e-controlled PDS members.
4. ICAT substitutes the values supplied by the user while applying local knowledge, such as knitting together various application dependencies (i.e., runtime parameters for Hub TEMS).
5. ICAT generates customized runtime PDS members.



Installation via “PARMLIB” (RTE-centric)

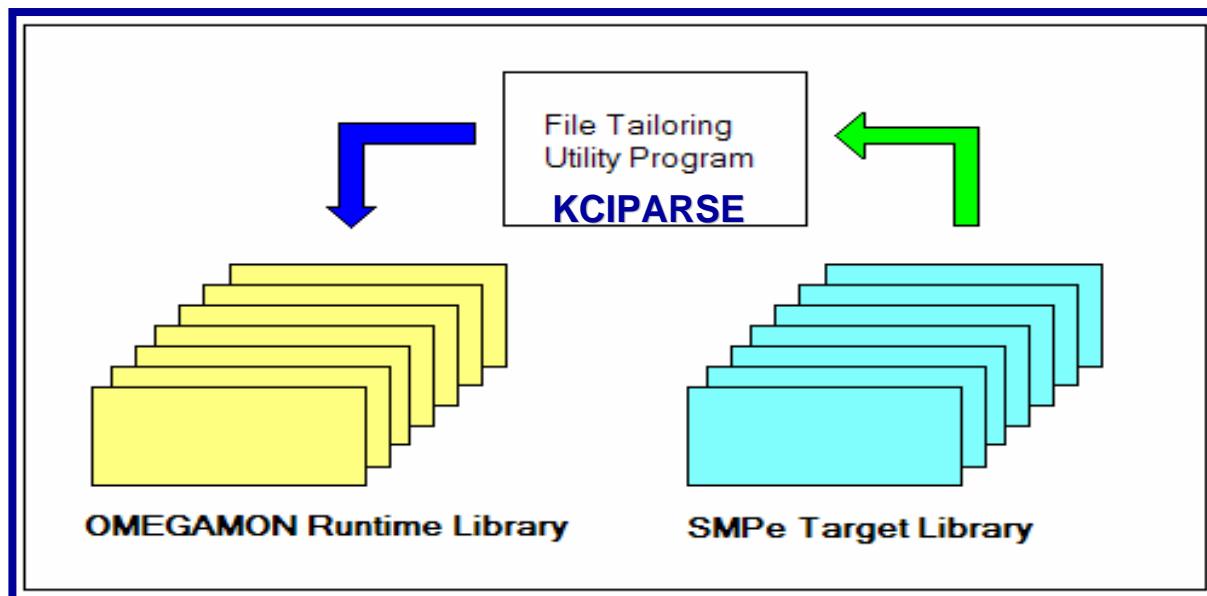
1. With other IBM products, customers are used to manipulating parameter values directly in SYS1.PARMLIB or another PDS.
2. In the OMEGAMON version, the “PARMLIB” approach delivers an SMP/e-controlled equivalent of ICAT output (already built). The individual PDS members would require manual file tailoring, and manual propagation into a runtime PDS library.



Installation via “PARMLIB” (RTE-centric), continued



1. There is no way we could expect customers to duplicate manually all of the customized values ICAT provides for the OMEGAMON/ITM suite of products.
2. Therefore, a new configuration utility, called **KCIPARSE**, was created to assist with this hands-on (manual) task.
3. It exhibits IEBCOPY-like behavior to reduce learning curve.
4. It includes various parsing features such as Search, Replace, Imbed, Conditional IF/THEN logic, and much more.
5. SMP/E-controlled files are fully customized based on a PARMLIB CONFIG user profile as they are copied to the equivalent of the production runtime libraries.



Product-centric (ICAT) vs. RTE-centric jobs (PARMLIB)



144 ICAT
product-centric
jobs to configure
37 components
for 1 LPAR RTE



10-14 PARMLIB
RTE-centric
jobs to configure
components
for 1 LPAR RTE
regardless
how many
products!

List of PARMLIB-enabled Products by Phase



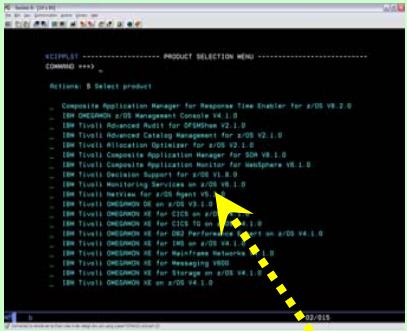
SHARE in Boston

z/OS Product Families that Use the ICAT Today



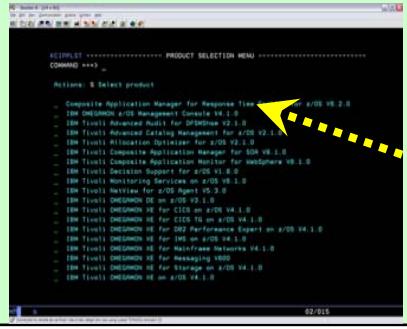
z/OS TMS family

TEMS



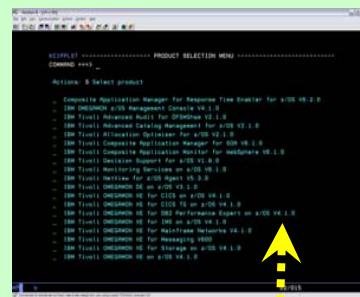
Rocket family

Advanced Audit for DFSMShsm, Advanced Catalog Management, Allocation Optimizer, Advanced Reporting, Advanced Backup & Recovery, Automated Tape Allocation Manager, Tape Optimizer



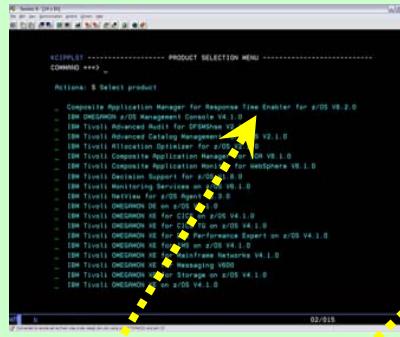
OMEGAMON family

z/OS, CICS, DB2, IMS, Storage, OMEGAVIEW, Management Console, Mainframe Networks, Messaging



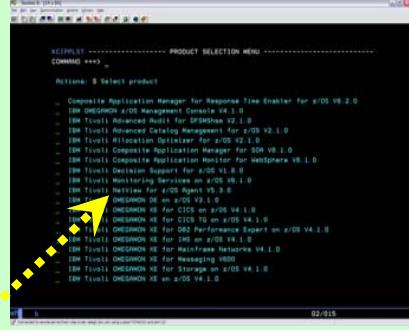
z/OS ITCAM family

SOA, WebSphere (Appl. Diagnostics), File Transfer Enabler



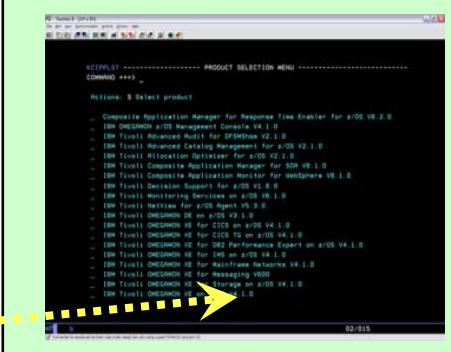
NetView family

NetView for z/OS Agent

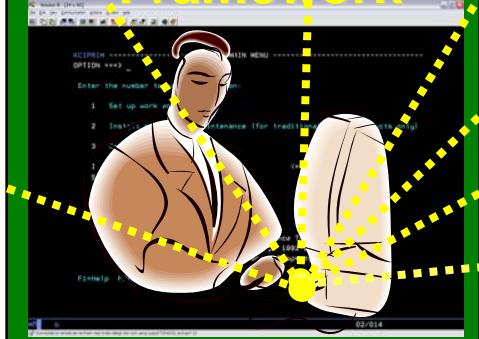


System Automation family

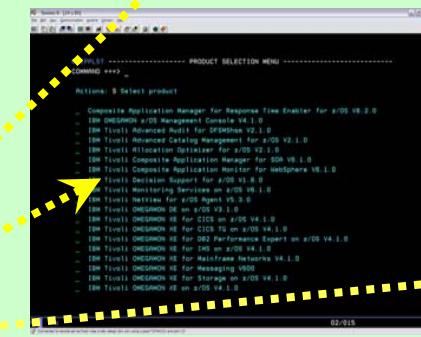
System Automation for z/OS Agent



ICAT Configuration Framework



TDS family **Tivoli Decision Support Agent**



Planned Products for PARMLIB Enablement



z/OS TMS family

TEMS

TEMS

Phase 1

OMEGAMON family
z/OS, CICS, DB2, IMS,
Storage,
OMEGAVIEW, OMEGAVIEW II
Management Console,
Mainframe Networks,
Messaging

**z/OS, CICS, DB2, IMS,
Storage,
OMEGAVIEW, OMEGAVIEW II
Management Console,
Mainframe Networks,
Messaging**

Phase 1

Phase 2?

z/OS ITCAM family

SOA, WebSphere (Appl. Diagnostics), File Transfer Enabler

A screenshot of a terminal window displaying assembly code. The code includes labels like .CODE1, .CODE2, and .CODE3, and various instructions such as ADD, SUB, and CMP. A large, semi-transparent watermark is overlaid on the screen, reading "Phase 2" in purple and "Future Phase" in blue, with yellow arrows pointing towards the text.

Phase 2

*FuturePhase

Rocket family
Advanced Audit for
DFSMShsm, Advanced
Catalog Management,
Allocation Optimizer,
Advanced Reporting,
Advanced Backup &
Recovery, Automated Tape
Allocation Manager, Tape
Optimizer

**Advanced Audit for
DFSMShsm, Advanced
Catalog Management,
Allocation Optimizer,
Advanced Reporting,
Advanced Backup &
Recovery, Automated Tap
Allocation Manager, Tape
Optimizer**

*#FuturePhase

PARMLIB Configuration Framework



TDS family

Tivoli Decision Support Agent

*Future Phas

NetView family

NetView for z/OS Agent

NetView for z/OS Agent

Phase 2

System Automation family

System Automation for z/OS Agent

System Automation for z/OS Agent

Phase 2

```
EDIT CCMP1.MILEY.SPI30M90 WCMPS1(CFGBURN) - 01.00 Columns 0003 0003 0072  
Command ***  
***** ENTER BEGIN *****  
***** PARM1 CONFIGURATION *****  
*****  
000100  
000100 ++ Global Installation settings:  
000100 ++ Note: From CCMP1.CPDEF (un- Certain GBL + parameter customized  
000107 ++ to the values supplied during PHASE1CP Step.  
000108 GBL.DSTIP=192.168.1.100  
000109 GBL.GATEWAY=192.168.1.1  
000110 GBL.IFNAME=EN0  
000111 GBL.IFNAME=EN1  
000112 GBL.IFSWITCH=1  
000113 GBL.SVTYPE=1  
000114  
000115 ++ GBL.SVTYPE=1  
000116 GBL.SVTYPE=1  
000117  
000118 GBL++ Global Installation settings file and sample CLISTs:  
000119 ++ For detailed information on parameters requiring keyboard-type input such as  
000120 ++ <CCMP1> or <CCMP1>  
000121  
000122 //CCMP1.PS 200 (RCC), "NONE"  
000123  
000124
```

Pilot OMEGAMON Products for PARMLIB Enablement (Phase 1)



SHARE in Boston

The following products are enabled for **PARMLIB - Phase 1 support via HKCI310 PTF UA52371**.

A. Product-specific components and base versions supported:

► **IBM Tivoli OMEGAMON XE for CICS on z/OS V4.2.0**

- Component: OMEGAMON II for CICS (KOC/KC2)
- Component: OMEGAMON XE for CICS on z/OS (KC5)
- Component: OMEGAMON XE for CICS TG on z/OS (KGW)

► **IBM Tivoli OMEGAMON XE for DB2 Performance Expert/Monitor V4.2.0**

- Component: OMEGAMON XE for DB2 PE/PM (KO2/KD2)
- Component: OMEGAMON XE for DB2 PE/PM Agent (KD5)

► **IBM Tivoli OMEGAMON XE for IMS on z/OS V4.2.0**

- Component: OMEGAMON II for IMS (KOI/KI2)
- Component: OMEGAMON XE for IMS on z/OS (KI5)

► **IBM Tivoli OMEGAMON XE on z/OS V4.2.0**

- Component: OMEGAMON II for MVS (KOM/KM2)
- Component: OMEGAMON XE on z/OS (KM5)

B. Common infrastructure components and base versions supported:

➔ IBM Tivoli Management Services on z/OS V6.2.2

- Component: Tivoli Enterprise Monitoring Server (KDS)
- Component: Common Agent configuration framework (KAG)
- Component: Common Persistent Datastore (PDS) configuration framework (KPD)

➔ OMNIMON Base V6.2.0

- Component: OMEGAMON Subsystem (KCN/KOB)

➔ End-to-End V6.2.0

- Component: End-to-End (KET)

Available Products for PARMLIB Enablement (Phase 2)



SHARE in Boston

Available Products for PARMLIB Enablement (Phase 2)



The remaining OMEGAMON products are also enabled for **PARMLIB - Phase 2 support via HKCI310 PTF UA53118**. Phase 2 enablement also includes the System Automation Monitoring Agent (KAH) & the NetView for z/OS Agent (KNA).

► **IBM Tivoli OMEGAMON DE on z/OS V4.2.0**

- Component: OMEGAVIEW (KMV)
- Component: OMEGAVIEW II for the Enterprise (KWO)

► **IBM Tivoli OMEGAMON XE for Storage on z/OS V4.2.0**

- Component: OMEGAMON II for SMS (KDF)
- Component: OMEGAMON XE for Storage on z/OS (KS3)

► **IBM OMEGAMON z/OS Management Console V4.1.0**

- Component: OMEGAMON z/OS Management Console Agent (KHL)

► **IBM Tivoli OMEGAMON XE for Mainframe Networks V4.2.0**

- Component: OMEGAMON II for Mainframe Networks (KON)
- Component: OMEGAMON XE for Mainframe Networks (KN3)

► **IBM Tivoli NetView for z/OS Agent V5.4.0**

- Component: NetView for z/OS Agent (KNA)

► **IBM Tivoli System Automation for z/OS V3.1.0**

- Component: System Automation Monitoring Agent (KAH)

Available Products for PARMLIB Enablement (Phase 2)



Phase 2 enablement also includes the ITCAM File Transfer Enabler component which became part of ITM622 z/OS TEMS.

► **IBM Tivoli OMEGAMON XE for Messaging on z/OS V7.0.1**

- Component: OMEGAMON XE for WebSphere MQ Configuration (KMC)
- Component: OMEGAMON XE for WebSphere MQ Monitoring (KMQ)
- Component: OMEGAMON XE for WebSphere Message Broker Monitoring (KQI)

► **ITCAM for Transactions, File Transfer Enabler for z/OS V7.1.0**

- Component: File Transfer Enabler for z/OS Agent (KT1)

PARMLIB Phase 1 and Phase 2 Scope and Schedule



SHARE in Boston

PARMLIB Phase 1 and Phase 2 Scope and Schedule



Base Contents:

- Provide PARMLIB samples, KCIJP* batch jobs and KCIPARSE utility to support a brand new runtime environment (RTE) set-up.
- Support a PARMLIB “RTE-centric” approach to the sample KCIJP* PARMLIB jobs (jobs for allocation, load, Persistent Datastore, TEMS registration, security, system set-up, etc.)
- Provide IVP function and IVP job logger/ SUPERC report for KCIJP* PARMLIB jobs.
- Provide parameter on-line help utility and parameter validation.
- For existing ICAT users, support interoperability:
 1. reuse existing RTE Batch Mode members to convert to PARMLIB CONFIG profiles.
 2. convert most commonly-updated parameters not externalized in the current ICAT to be supported for externalization / preserved customization in PARMLIB mode.
 3. convert a number of product-specific system library parameters into global parameters.
 4. rename parameter names to clearer, more self-describing parameter names.

Enablement Support:

❖ Common Infrastructure:

- Phase 1: APAR#: OA30575 (CI) for PTF

HKCI310 UA52371 (GA End of Feb. 2010)

- Phase 2: APAR#: OA32122 (CI) for PTF

HKCI310 UA53118 (GA End of May 2010)

Documentation:

- Self-documenting PARMLIB members

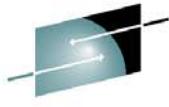
▪ **PARMLIB - Alternative Configuration Mode for Pilot OMEGAMON z/OS Products** Newflash Technote #1417935

▪ New “**IBM Tivoli OMEGAMON XE and Tivoli Management Services on z/OS: Parameter Reference**”

▪ New “**Chapter 15. Using the PARMLIB method to set parameter values**” in the **Tivoli® OMEGAMON XE and Tivoli Management Services on z/OS V6.2.2 Common Planning and Configuration Guide**

High-level Details of PARMLIB Procedure and Data Flow – Diagrams



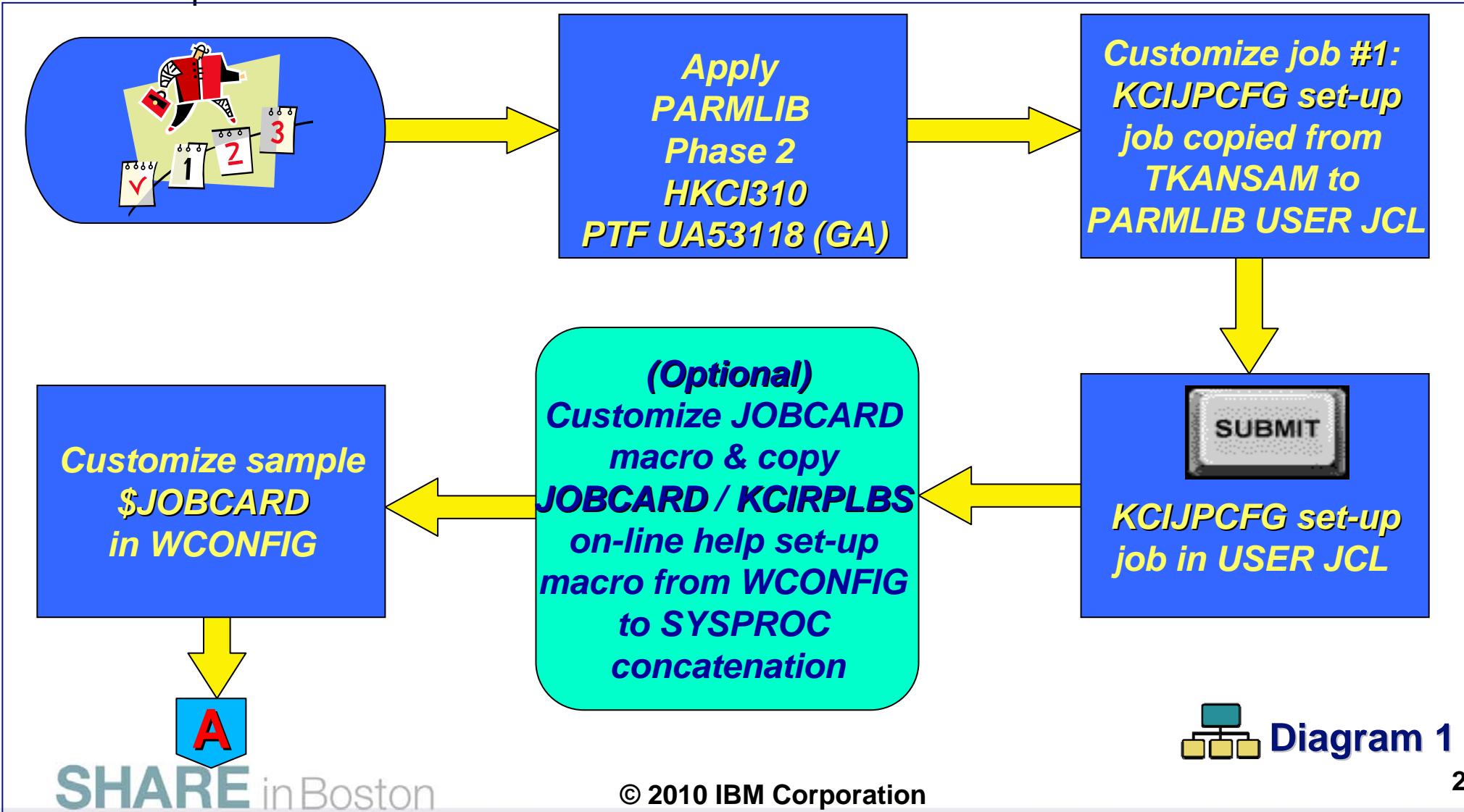


S H A R E

Technology • Connections • Results

PARMLIB Procedure - Diagram

The following **Diagram 1** through **Diagram 4** show a high-level overview of the steps involved in configuring the products in a new runtime environment (RTE) using the PARMLIB mode. The same RTE-centric procedure applies whether you are configuring one component or the whole suite of z/OS products.



PARMLIB Procedure – Diagram (cont'd)

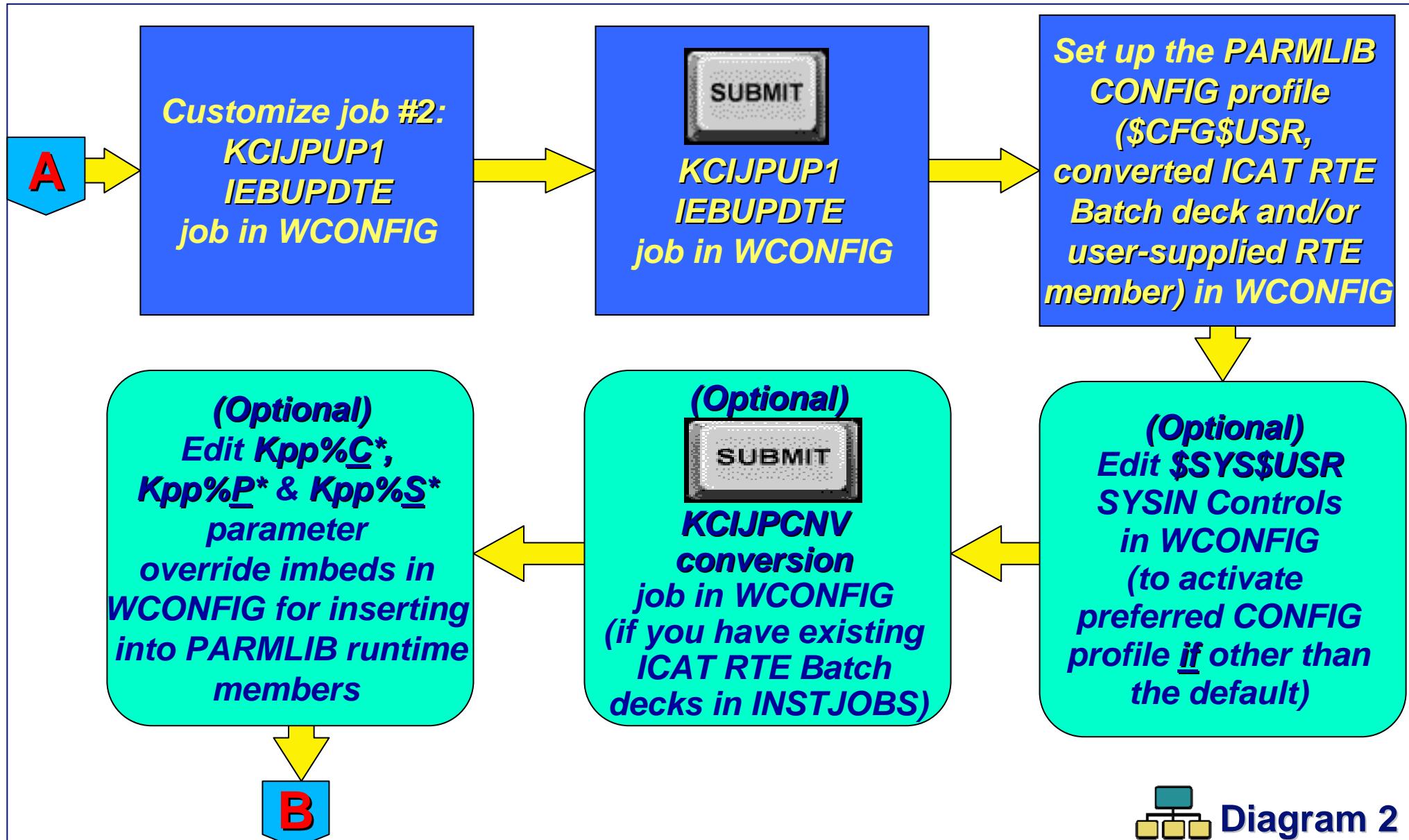



Diagram 2

PARMLIB Procedure – Diagram (cont'd)

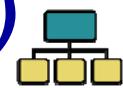
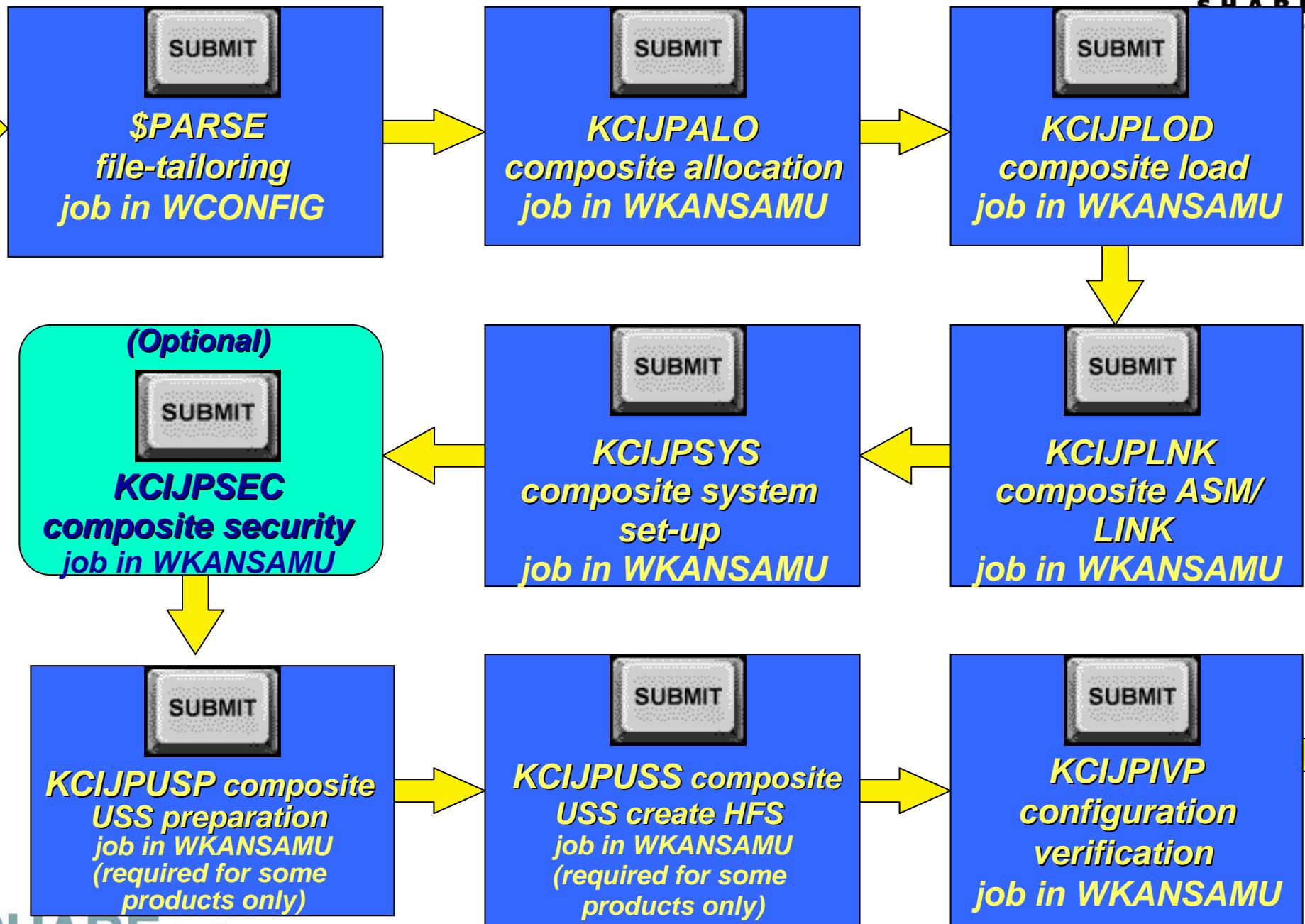
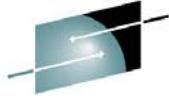


Diagram 3



PARMLIB Procedure – Diagram (cont'd)

C

Review \$IVPRPT report in WCONFIG and deltas in WSUPERC library

Deploy WK runtime members to production RK* user libraries using site-approved CHG controls. (Optional) Use KCIJPCPY & KCIJPW2R clone/copy jobs in WKANSAMU*

Perform applicable “Complete the configuration” steps

Start the product started tasks. (Optional) xxxxSTRT composite STC /S JCL & xxxxAPF APF listing available



Diagram 4



Same procedure whether you are configuring 1 component or 37 components!

© 2010 IBM Corporation

PARMLIB KCIJ\$NDX Batch Job Index



SHARE in Boston



SHARE

Technology • Connections • Results

PARMLIB KCIJ\$NDX* Batch Job Index

* * * P A R M L I B B a t c h J o b s I n d e x * * *

In the IKANSAMU/WKANSAMU library, a PARMLIB job index (KCIJ\$NDX) is also supplied for reference. It lists the required and optional jobs that should be submitted and executed in the order presented below. "User Copy" job location is also included:

Member	Function	Required Y/N?
KCIJPCFG	Set up the PARMLIB work libraries and configuration elements for the runtime environment (RTE): <ul style="list-style-type: none">- allocate the &rhilev.&rte.WCONFIG PARMLIB work control library (for the PARMLIB control members).- allocate the PARMLIB interim staging libraries (IKAN*, IKD2*) and work output libraries (WKAN*, WKD2*) representing the equivalent of RKANCMDU, RKANPARU, RKANSAMU, RKD2PAR, RKD2PRF and RKD2SAM production runtime user libraries.- copy/rename applicable PARMLIB control members from the SMP/E targets to PARMLIB WCONFIG.- prepare KCIJPUP1 IEBUPDTE job. <p>User Copy: Copy from TKANSAM to a user JCL library. A copy is created in WCONFIG.</p>	Y

Lists all
KCIJP*
PARMLIB
jobs

PARMLIB KCIJP* Batch Jobs – ICAT Cross-reference



SHARE in Boston



KCIJPCFG job – ICAT Cross-reference

CCAPI.PARMLIB.GBL.CONFIG(KCIJPCFG)

```
*  
* *****  
* USER SECTION: CONFIGURE_PRODUCTS  
* ----- BEGIN - USER SECTION: CONFIG ----- *  
* *****  
* CONFIGURE FLAGS: Set to "Y" or "N".  
* *****  
* Tivoli Enterprise Monitoring Server: KDS flag  
SET CONFIGURE_TEMS_KDS      = "Y"  
* IBM Tivoli OMEGAMON XE for CICS on z/OS: KC5  
SET CONFIGURE_CICS_KC5       = "Y"  
* IBM Tivoli OMEGAMON XE for CICS TG on z/OS:  
SET CONFIGURE_CICS_TG_KGW    = "Y"  
* IBM Tivoli OMEGAMON XE for DB2 PE/PM: KD2 and  
SET CONFIGURE_DB2_PEPM_KD2   = "Y"  
SET CONFIGURE_DB2_AGENT_KD5  = "Y"  
* IBM Tivoli OMEGAMON XE for IMS on z/OS: KI5  
SET CONFIGURE_IMS_KI5        = "Y"  
* IBM Tivoli OMEGAMON XE on z/OS: KM5 flag  
SET CONFIGURE_ZOS_KM5        = "Y"  
* IBM Tivoli OMEGAMON XE for Messaging - WebSphere  
SET CONFIGURE_MESSAGING_KMC = "Y"  
* IBM Tivoli OMEGAMON XE for Messaging - WebSphere  
SET CONFIGURE_MESSAGING_KMQ = "Y"  
*  
*  
.
```

Think of KCIJPCFG's
"CONFIGURE PRODUCTS"
section as the alternative
to ICAT's product-centric
approach. In ICAT,
you select one product
at a time on the
"Product Selection Menu"
then configure that
product, then select
another product, etc.

In **PARMLIB**, select
all products upfront
then configure.

KCIJPPRS/\$PARSE job – ICAT Cross-reference



CCAPI.ZCAC.CIDSSYSG.WCONFIG(\$PARSE)

CCAPI.PARMLIB.INSTJOBS(CB#RCIDSSYSG) Sample ICAT Batch CICATB job report

GEN	MEMBER	JOB	JOB
SEQ	NAME	DESCRIPTION	NOTES
3	DS#3CIDSSYSG	CREATE RUNTIME MBRS	
10	C2#3CIDSSYSG	CREATE RUNTIME MBRS	
16	C5#3CIDSSYSG	CREATE RUNTIME MBRS, AGT ADRSP	
19	DF#3CIDSSYSG	CREATE RUNTIME MBRS	
.			
69	MV#3CIDSSYSG	CREATE RUNTIME MBRS	
71	M2#3CIDSSYSG	CREATE RUNTIME MBRS	
.			
7	AH#4CIDSSYSG	REGISTER PRODUCT TO THE TEMS	
.			
35	D5#4CIDSSYSG	REGISTER PRODUCT TO THE TEMS	
42	GW#4CIDSSYSG	REGISTER PRODUCT TO THE TEMS	
46	HL#4CIDSSYSG	REGISTER PRODUCT TO THE TEMS	
54	I5#4CIDSSYSG	REGISTER PRODUCT TO THE TEMS	
75	M5#ICIDSSYSG	CREATE RUNTIME MBRS, AGT TEMS	
126	S3#ICIDSSYSG	CREATE RUNTIME MBRS, AGT TEMS	
26	D2#XCIDSSYSG	CREATE PROFILE MEMBERS	
27	D2#6CIDSSYSG	INSTALL DB2 SSID RELATED MBRS	
4	PD#PCIDSSYSG	CREATE PDS MBRS	
.			
67	MQ#PCIDSSYSG	CREATE PDS MBRS	
127	S3#PCIDSSYSG	CREATE PDS MBRS	

*Think of \$PARSE as
1 job that performs
the equivalent of
running ICAT's
pp#3 jobs,
pp#4 jobs,
pp#1 jobs,
pp#X jobs,
pp#P jobs,
pp#G jobs,
etc.*



KCIJPALO job – ICAT Cross-reference

CCAPI.ZCAC.CIDSSYSG.IKANSAMU(KCIJPALO)

%IMBED% DDNAME:MEMBER

* ICAT CROSS-REFERENCE / COMMENTS

%IMBED%=INPUT1:???JPAL1

*pp#1 RTE Build job

%\$IMBED_KDS_KDSJPAL3_INPUT1%

*DS#1 RTE Build job

%\$IMBED_KCI_KCIJPAL2_INPUT1%

*pp#1 RTE Build job

%\$IMBED_KCI_KCIJPAL3_INPUT1%

*pp#1 RTE Build job

%\$IMBED_KC5_KC5JPAL2_INPUT1%

*C5#1 RTE Build job

%\$IMBED_KD5_KD5JPAL2_INPUT1%

*D5#1 RTE Build job

%\$IMBED_KI5_KI5JPAL2_INPUT1%

*I5#1 RTE Build job

%\$IMBED_KM5_KM5JPAL2_INPUT1%

*M5#1 RTE Build job

%\$IMBED_KOB_KOBJPAL2_INPUT1%

*pp#1 RTE Build job

%IMBED%=INPUT1:???JPAL4

*pp#4 TEMS registration
for RKCP*/RKCF* VS

%IMBED%=INPUT1:???JPAL5

*pp#5 Allocate add'l
Epilog VSAM

%IMBED%=INPUT1:???JPALX

*D2#X ALLOCDS

%IMBED%=INPUT2:KC2JPA*

*C2#5 Allocate add'l
KC2##JPA template

%IMBED%=INPUT2:KC2JPH*

*C2#H RKC2HIST hist
using KC2##JPH

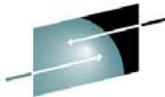
%IMBED%=INPUT2:KI2JPA*

*I2#5 Allocate add'l using
KI2##JPA template

%IMBED%=INPUT1:???JPALQ

*pp#Q Persistent Datastore
KppAL* jobs

**Think of
KCIJPALO
as 1 job that
performs the
equivalent of
running ICAT's
pp#1 jobs,
pp#5 job,
pp#4 job's
REPRO steps,
pp#H jobs,
pp#Q jobs, etc.**



KCIJPLOD job – ICAT Cross-reference

CCAPI.ZCAC.CIDSSYSG.IKANSAMU(KCIJPLOD)

%IMBED% DDNAME:MEMBER	* ICAT CROSS-REFERENCE/COMMENTS
%IMBED%=INPUT1:???JPLDA	*pp#2 RTE Load job
%\$IMBED_KDS_KDSJPLDB_INPUT1%	*DS#2 RTE Load job
%\$IMBED_KCI_KCIJPLD2_INPUT1%	*pp#2 RTE Load job
%\$IMBED_KCI_KCIJPLD3_INPUT1%	*pp#2 RTE Load job
%\$IMBED_KC5_KC5JPLD2_INPUT1%	*C5#2 RTE Load job
%\$IMBED_KGW_KGWJPLD2_INPUT1%	*GW#2 RTE Load job
%\$IMBED_KD5_KD5JPLD2_INPUT1%	*D5#2 RTE Load job
%\$IMBED_KI5_KI5JPLD2_INPUT1%	*I5#2 RTE Load job
%\$IMBED_KM5_KM5JPLD2_INPUT1%	*M5#2 RTE Load job
%\$IMBED_KOB_KOBJPLD2_INPUT1%	*pp#2 RTE Load job
%\$IMBED_KET_KETJPLD2_INPUT1%	*pp#2 RTE Load job
%\$IMBED_KN3_KN3JPLD2_INPUT1%	*pp#2 RTE Load job
%\$IMBED_KS3_KS3JPLD2_INPUT1%	*S3#2 RTE Load job
%\$IMBED_KWO_KWOJPLD2_INPUT1%	*WO#2 RTE Load job
%\$IMBED_KMQ_KMQJPLD2_INPUT1%	*QI#2 RTE Load job
.	
.	
%IMBED%=INPUT1:???JPLDX	*Special exceptions steps

*Think of
KCIJPLOD as
1 job that
performs
the equivalent
of running
ICAT's
pp#2 jobs,
etc.*



KCIJPSEC job – ICAT Cross-reference

CCAPI.ZCAC.CIDSSYSG.IKANSAMU(KCIJPSEC)

%IMBED% DDNAME:MEMBER

%IMBED%=INPUT1:???JPSCO

%\$IMBED_KDS_KDSJPSC3_INPUT1%

%\$IMBED_KDS_KLVJPSC3_INPUT1%

%\$IMBED_KC5_KOCJPSC3_INPUT1%

%\$IMBED_KD5_KO2JPSC3_INPUT1%

%\$IMBED_KI5_KOIJPSC3_INPUT1%

%\$IMBED_KM5_KOMJPSC3_INPUT1%

*ICAT CROSS-REFERENCE / COMMENTS

*pp#0 xKANSAMU(KppSUPD) -
Classic command table

*xKANSAMU(KDSDKAES) -
xKANPARU(kaes256) key

*xKANSAMU(KLV@ASM) - KLVxxNEV

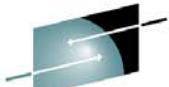
*xKANSAMU(KOCJxxxx) - KOCAxxxx

*xKANSAMU(KO2xxxxA) - KO2xxxxX

*xKANSAMU(KOIxxxxA) - KOIUxxHK

*xKANSAMU(KOMxxxxA) - KOMxxxxX

**Think of KCIJPSEC as 1 job that performs
the equivalent of running ICAT's
DS#3 job's KAES256 step,
pp#3 job's KLV@ASM step,
pp#0 jobs, etc.**



KCIJPSYS job – ICAT Cross-reference

CCAPI.ZCAC.CIDSSYSG.IKANSAMU(KCIJPSYS)

=====

%IMBED% DDNAME:MEMBER

=====

%IMBED%=INPUT1:KCIJPSYN

*ICAT CROSS-REFERENCE/COMMENTS

%IMBED%=INPUT1:KCIJPSYP

*CB#N Copy nodes to VTAMLST;
xKANSAMU(KCISYNJB)

%IMBED%=INPUT1:KCIJPSYH

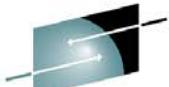
*CB#P Copy STCs to PROCLIB;
xKANSAMU(KCISYPJB)

%IMBED%=INPUT1:KDSJPSYL

*CB#K APF/STC Health Checks;
xKANSAMU(KCIHCKJB)

*DS#L KDSMTAB1 to VTAMLIB;
xKANSAMU(KDSLNUJB)

**Think of KCIJPSYS as 1 job that performs
the equivalent of running ICAT's
CB#N job, CB#P job, CB#K job,
DS#L job, then running the sample
jobs generated by these jobs, etc.**



KCIJPLNK job – ICAT Cross-reference

CCAPI.ZCAC.CIDSSYSG.IKANSAMU(KCIJPLNK)

=====

%IMBED% DDNAME:MEMBER

=====

%IMBED%=INPUT1:KOBJPLK3

* ICAT CROSS-REFERENCE/COMMENTS

*xKANSAMU(KOBVTPLX) job for
KOBVTPL module

*xKANSAMU(KONLINK) job for
KONACTCS module

*xKANSAMU(KN3LINK) job for
KN3ACTCS/KN3ANMON

%IMBED%=INPUT1:KONJPLK3

%IMBED%=INPUT1:KN3JPLK3

*Think of KCIJPLNK as 1 job that performs
the equivalent of running ICAT's
pp#3 jobs that generate sample
ASM/LINK jobs, etc.*

KCIJPUS% job – ICAT Cross-reference



CCAPI.ZCAC.CIDSSYSG.IKANSAMU(KCIJPUSP)

%IMBED% DDNAME:MEMBER

* ICAT CROSS-REFERENCE/COMMENTS

%IMBED%=INPUT2:???JPUS6

*pp#6 job to create RKANDATV
members for USS

New in Phase 2

CCAPI.ZCAC.CIDSSYSG.IKANSAMU(KCIJPUSS)

%IMBED% DDNAME:MEMBER

* ICAT CROSS-REFERENCE/COMMENTS

%IMBED%=INPUT2:???JPUSU

*pp#U SBPXEXEC job for USS

New in Phase 2

Think of KCIJPUSP/KCIJPUSS as 1 job
that performs the equivalent of running ICAT's
pp#6/pp#U jobs for products that have USS
requirements

PARMLIB \$PARSE Batch Job



SHARE in Boston

PARMLIB \$PARSE Batch JCL

The **\$PARSE KCIPARSE** Batch JCL file-tailors the PARMLIB samples from the interim staging libraries (IK*) into the corresponding work output libraries (WK*) equivalent to the production runtime libraries (RK*):

CCAPI.ZCAC.CIDSSYSG.WCONFIG(\$PARSE)

```
***** Top of Data *****

.
//***** WKANPARU Step: IKANPARU-->WKANPARU
//* Process the PARMLIB members from IKANPARU to WKANPARU based on $CFG*
//* CONFIG and/or converted PARMLIB RTE Batch deck profile settings.
//***** WKANPARU EXEC PGM=KCIPARSE,COND=(4,LT,VALIDATE),
// PARM='MV=32000,MAXL=32000,ML=500,MI=255,MS=20000,LV=Y'
//STEPLIB DD DISP=SHR,
// DSN=%GBL_TARGET_HILEV%.TKANMOD
//INPUT1 DD DISP=SHR,
// DSN=%RTE_HILEV%.%RTE_NAME%.IKANPARU
//INPUT2 DD DISP=SHR,
// DSN=%RTE_HILEV%.%RTE_NAME%.WKANPARU
//WCONFIG DD DISP=SHR,
// DSN=%RTE_HILEV%.%RTE_NAME%.WCONFIG
//SYSUT2 DD DISP=SHR,
// DSN=%RTE_HILEV%.%RTE_NAME%.WKANPARU
//SYSPRINT DD SYSPUT=*
//SYSIN DD DISP=SHR,
// DSN=%RTE_HILEV%.%RTE_NAME%.WCONFIG($SYS$USR)
.
```

**INDDx input
DDNAMES can be
up to 5 libraries
if needed.**

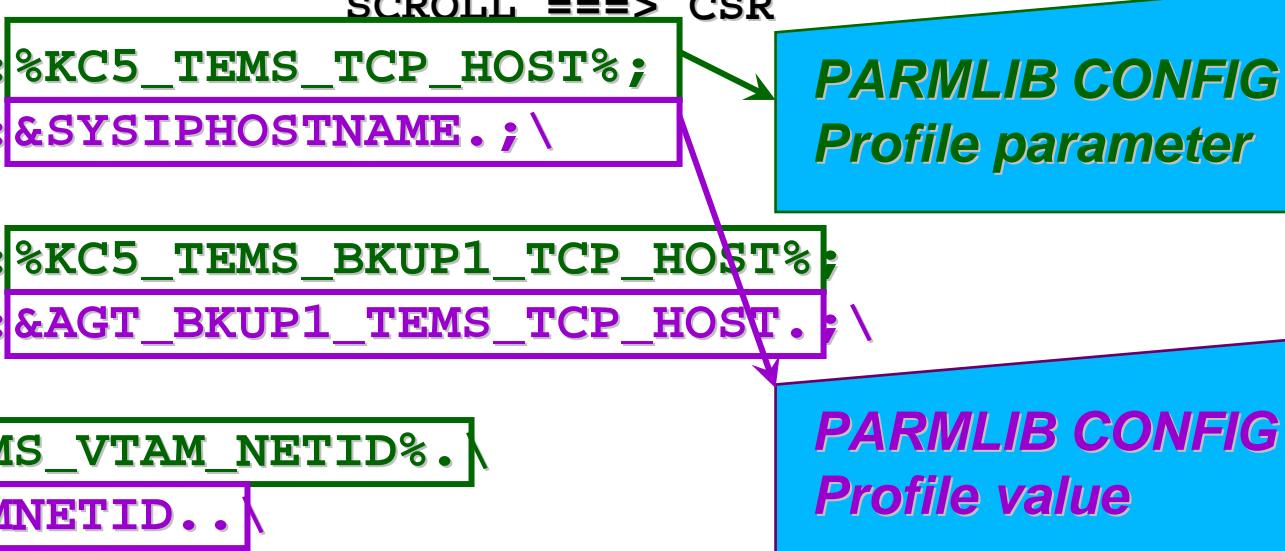
PARMLIB \$PARSE Batch JCL (cont'd)

The \$PARSE KCIPARSE Batch JCL file-tailors the PARMLIB samples from the interim staging libraries (IK*) into the corresponding work output libraries (WK*) based on your **PARMLIB CONFIG profile settings**:

```

SDSF OUTPUT DISPLAY CCAPI$SG JOB27670 DSID LINE 16,996 COMMAND
INPUT ==> SCROLL ==> CSR
00034 BEFORE IP.PIPE:%KC5_TEMS_TCP_HOST%;
00034 AFTER IP.PIPE:&SYSIPHOSTNAME.; \
00035 BEFORE IP.PIPE:%KC5_TEMS_BKUP1_TCP_HOST%;
00035 AFTER IP.PIPE:&AGT_BKUP1_TEMS_TCP_HOST.; \
00039 BEFORE %KC5_TEMS_VTAM_NETID.\
00039 AFTER &SYSVTAMNETID..\
00040 BEFORE %KC5_TEMS_VTAM_APPL_LL_BROKER.\
00040 AFTER K&SYSCLOSE.DSLB.\
00041 BEFORE %KC5_TEMS_VTAM_LU62_DLOGMOD%.SNASOCKETS;
00041 AFTER CANCTDCS.SNASOCKETS; \

```



PARMLIB \$PARSE Batch JCL (cont'd)

The **\$PARSE KCIPARSE** Batch JCL file-tailors the PARMLIB samples from the interim staging libraries (IK*) into the corresponding work output libraries (WK*) based on your **PARMLIB CONFIG profile settings**:

```
EDIT          CCAPI.ZCAC.CIDSSYSG.WCONFIG(CIDSSYSG)
```

Command ==>

```
** Values that describe the TEMS to which the agent connects:  

KC5_TEMS_LOCAL_CONNECT_FLAG           Y  

KC5_TEMS_NAME_NODEID                 "CIDS&SYSNAME.:CMS"
```

**PARMLIB CONFIG
Profile parameter**

**** Agent's Primary TEMS TCP/IP information:**

```
** Note: KC5_TEMS_TCP_HOST and KC5_AGT_TCP_HOST must be the same value  

**         if KC5_TEMS_LOCAL_CONNECT_FLAG=Y (Agent connects to local TEMS)
```

KC5_TEMS_TCP_HOST

"&SYSIPHOSTNAME."

**** Agent's local TCP/IP information:**

```
KC5_AGT_TCP_HOST  
KC5_AGT_TCP_STC
```

"&SYSIPHOSTNAME."
" * "

**** Agent's Primary TEMS VTAM information:**

```
KC5_TEMS_VTAM_LU62_DLOGMOD  
KC5_TEMS_VTAM_LU62_MODETAB  
KC5_TEMS_VTAM_NETID
```

CANCTDCS
KDSMTAB1
&SYSVTAMNETID.

**PARMLIB CONFIG
Profile value**



PARMLIB CONFIG User Profile



SHARE in Boston

PARMLIB CONFIG User Profile

The **\$CFG* CONFIG User Profile** allows the customer to override defaults as necessary. Sample \$CFG\$USR composite CONFIG member is shown below:

CCAPI.ZCAC.CIDSSYSG.WCONFIG(\$CFG\$USR)

***** Top of Data *****

.

.

RTE\$ BEGIN *----- PARMLIB CONFIGURATION -----*

** Global installation settings:

** Note: From KCIJPCFG job: Certain GBL_* parameters are customized
** to the values supplied during PRPKCIJP Step.

GBL_TARGET_HILEV

TDITNT.1TM62242

GBL_INST_HILEV

CCAPI.PARMLIB

GBL_USER_JCL

CCAPI.PARMLIB.GBL.CONFIG

** Sysplex name:

GBL_SYSPLEX_NAME

&SYSPLEX.

** Runtime environment (RTE) settings:

RTE_NAME

CIDSSYSG

RTE_DESCRIPTION

"CIDSSYSG LPAR"

RTE_TYPE

FULL

* FULL, SHARING or BASE *

** RTE global defaults:

RTE_HILEV

CCAPI.ZCAC

RTE_VSAM_HILEV

CCAPI.ZCAC

Values you
customized
in
KCIJPCFG
job

XCSF, @HUB, @RTE, etc.

PS0601.OMEGA621

PS0601.OMEGA621

PARMLIB CONFIG User Profile (cont'd)

If customer has an existing INST* environment, a **conversion utility (KCIJPCNV job)** is provided to convert the RTE Batch Parameter Member. Sample converted PARMLIB CONFIG member is shown below (CIDSSYSG is the name of the RTE Batch Member):

```

CCAPI.ZCAC.CIDSSYSG.WCONFIG(CIDSSYSG)
***** Top of Data *****
*
* File created on 28 July 2010 at 23:08:19 by KCIRPLBC
* Input file was 'CCAPI.PARMLIB.INSTJOBS(CIDSSYSG)'
*
RTE$ BEGIN ----- CONFIGURATION TOOL
RTE_DESCRIPTION "CIDSSYSG PARMLIB Share SYSGBASE RTE"
RTE_TYPE SHARING * FULL, SHARING or BASE

** If RTE_TYPE is SHARING:
RTE_SHARE SYSGBASE
**
** RTE global defaults:
RTE_HILEV CCAPI.ZCAC
RTE_VSAM_HILEV CCAPI.ZCAC
.
.
RTE_TEMS_NAME_NODEID "CIDSSYSG:CMS" ← Clearer parameter names

** Security options:
RTE_SECURITY_USER_LOGON RACF
RTE_SECURITY_FOLD_PASSWORD_FLAG Y
** (Optional) If RTE_SECURITY_USER_LOGON is ACF2:
** GBL_DSN_ACF2_MACLIB SYS1.ACF2.MACLIB
.
** System procedure libraries:
GBL_DSN_SYS1_PROCLIB SYS1.PROCLIB ← Clearer parameter names
GBL_DSN_SYS1_VTAMLST SYS1.VTAMLST ← Clearer parameter names

```

PARMLIB CONFIG User Profile (cont'd)

A number of product-specific system library names in ICAT were converted to common, global parameters so the same value can be shared by other products that need the same configuration:

CCAPI.ZCAC.CIDSSYSG.WCONFIG(CIDSSYSG)

GBL_DSN_SYS1_VTAMLIB	SYS1.VTAMLIB
GBL_DSN_SYS1_SISTMAC1	SYS1.SISTMAC1
GBL_DSN_SYS1_MODGEN	SYS1.MODGEN
GBL_DSN_SYS1_MACLIB	SYS1.MACLIB
GBL_DSN_SYS1_PARMLIB	SYS1.PARMLIB
GBL_DSN_SYS1_LINKLIB	SYS1.LINKLIB
GBL_DSN_SYS1_SBLSCLI0	SYS1.SBLSCLI0
GBL_DSN_SYS1_SAXREXEC	SYS1.SAXREXEC
GBL_DSN_SYS1_SBPXEXEC	SYS1.SBPXEXEC
GBL_DSN_SYS1_BROADCAST	SYS1.BROADCAST
.	
.	
GBL_DSN_TCP_SYSTCPD_TCPCDATA	TCPPIP.SEZAINST
GBL_DSN_CICS_CTG_DLL	SYS1.SCTGDLL
GBL_DSN_NETVIEW_CNMLINK	NETVIEW.V5R4M0.CNMLINK
GBL_DSN_CEE_SCEERUN	SYS1.CEE.SCEERUN
GBL_DSN_CEE_SCEEKLKD	SYS1.CEE.SCEEKLKD
GBL_DSN_CSF_SCSFMOD0	CSF.SCSFMOD0
GBL_DSN_IMS_RESLIB	SYS1.IMS.RESLIB
GBL_DSN_IMS_SCEXLINK	SYS1.IMS.SCEXLINK
GBL_DSN_IMS_SFUNLINK	SYS1.IMS.SFUNLINK
GBL_DSN_WMQ_SCSQAUTH	IBM.WMQ.SCSQAUTH
GBL_DSN_WMQ_SCSQANLE	IBM.WMQ.SCSQANLE
GBL_DSN_WMQ_SCSQLOAD	IBM.WMQ.SCSQLOAD
GBL_DSN_DB2_LOADLIB_V8	SYS1.PP.DB2.V8R1.DSNLOAD
GBL_DSN_DB2_LOADLIB_V9	SYS1.PP.DB2.V9R1.DSNLOAD
GBL_DSN_DB2_RUNLIB_V8	SYS1.PP.DB2.V8R1.RUNLIB
GBL_DSN_DB2_RUNLIB_V9	SYS1.PP.DB2.V9R1.RUNLIB
GBL_DSN_DB2_DSNEEXIT	SYS1.PP.DB2.DSNEEXIT

In ICAT, these parameters are product-specific so if more than one component needs the same value, the DSNAME is specified more than once.

PARMLIB CONFIG User Profile (cont'd)

The **\$CFG* CONFIG** User Profile has an optional USER PROLOG SECTION if you wish to log your changes:

```
CCAPI.ZCAC.CIDSSYSG.WCONFIG($CFG$USR)
***** Top of Data *****
```

```
.
000135 * INSTRUCTIONS:
000140 * ****
000141 * SECTION: USER PROLOG (OPTIONAL)
000142 * ****
000143 *+---+-----+-----+-----+-----+-----+
000144 * | NO. | CHANGE DESCRIPTION | DATE | ID | *
000145 *+---+-----+-----+-----+-----+-----+
000146 * |@03| Override KC5_X_AGT_STORAGE_* LIMIT( )/RESERVE( )|01/20/10|CD|*
000147 * |@02| Set GBL_DSN_TCP_SYSTCPD_TCPDATA to new library|01/20/10|CD|*
000148 * |@01| Override K%_X_STC_SYSTCPD_INCLUDE_FLAG=Y|01/19/10|CD|*
000149 * ****
000150 .
000251 ** Additional OMEGAMON XE for CICS Agent settings:
000252 *KC5_X_AGT_STORAGE_LIMIT_EXTEND 22
000253 *KC5_X_AGT_STORAGE_LIMIT_PRIMARY 16
000254 *KC5_X_AGT_STORAGE_RESERVE_PRI 2048
000255 *KC5_X_AGT_STORAGE_RESERVE_EXT 2048
000256 KC5_X_AGT_STORAGE_LIMIT_EXTEND 23
000257 KC5_X_AGT_STORAGE_LIMIT_PRIMARY 20
000258 KC5_X_AGT_STORAGE_RESERVE_PRI 4096
000259 KC5_X_AGT_STORAGE_RESERVE_EXT 4096
```

*In ICAT, these parameters
Equate to hardcoded settings
(not externalized on ICAT
panels)*

PARMLIB Parameter On-line Help



SHARE in Boston

PARMLIB Parameter On-line Help

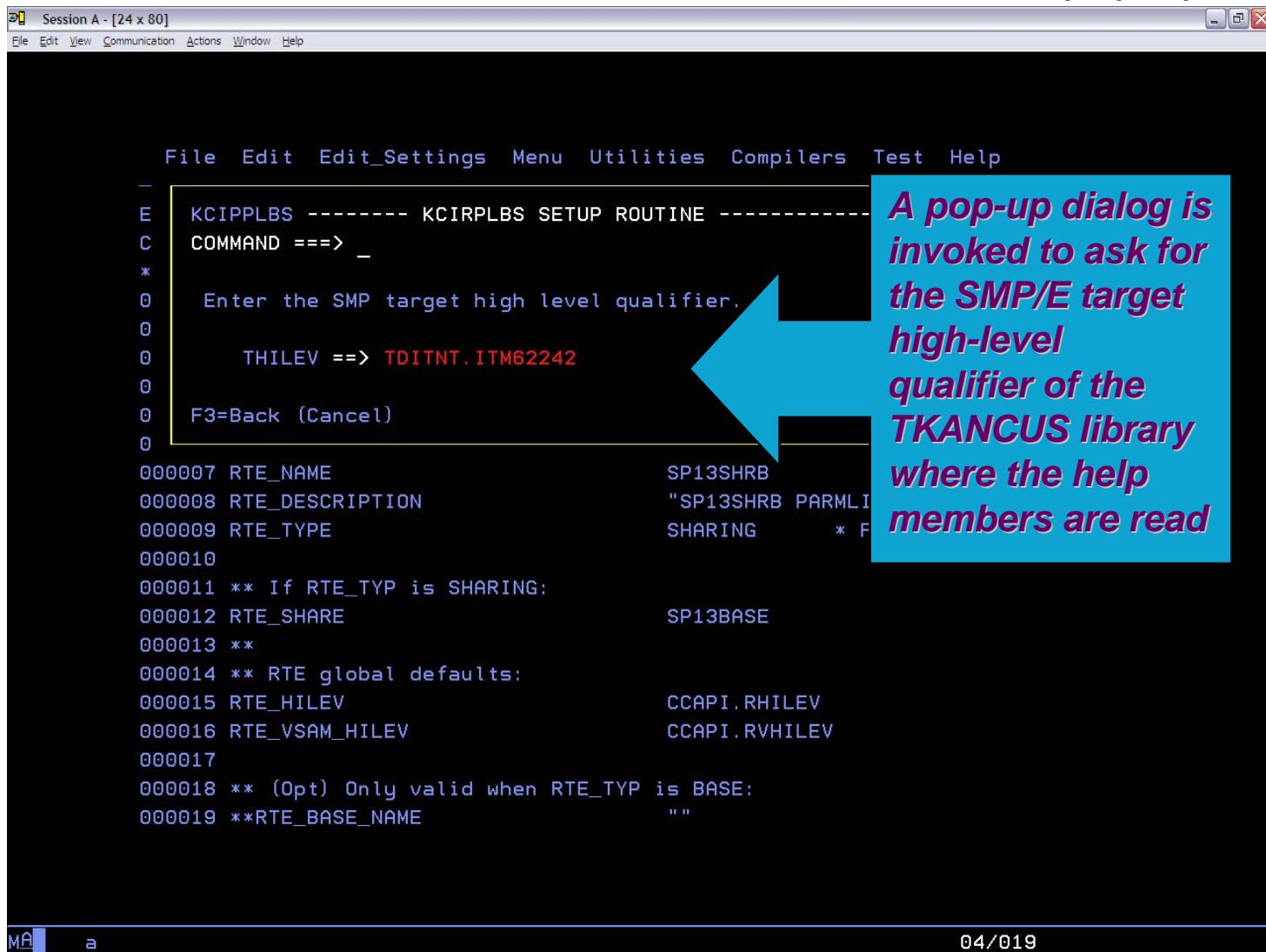
The KCIRPLBS on-line parameter help set-up macro copied from your SYSPROC concatenation is issued on the command line:

```

EDIT      CCAPI.ZCAC.CIDSSYSG.WCONFTG(CIDSSYSG)
Command ===> KCIRPLBS
***** ****
000001 *
000002 * File created on 19 Jan 2010 at 03:30:04 by KCIRPLBC
000003 * Input file was 'CCAPI.PARMLIB.INSTJOBS(CIDSSYSG)'
000004 *
000005
000006 RTE$ BEGIN *----- CONFIGURATION TOOL V310 -----
000007 RTE_NAME          CIDSSYSG
000008 RTE_DESCRIPTION   "CIDSSYSG PARMLIB Share SYSGBASE RTE"
000009 RTE_TYPE           SHARING      * FULL, SHARING or BASE *
000010
000011 ** If RTE_TYP is SHARING:
000012 RTE_SHARE          SYSGBASE
000013 **
000014 ** RTE global defaults:
000015 RTE_HILEV          CCAPI.ZCAC
000016 RTE_VSAM_HILEV    CCAPI.ZCAC
000017
000018 ** (Opt) Only valid when RTE_TYP is BASE:
000019 **RTE_BASE_NAME     " "
.
.
```

PARMLIB Parameter On-line Help (cont'd)

The KCIRPLBS on-line parameter help set-up macro copied from your SYSPROC concatenation is issued on the command line. A pop-up window is invoked:



```

Session A - [24 x 80]
File Edit Edit_Settings Menu Utilities Compilers Test Help
E KCIPPLBS ----- KCIRPLBS SETUP ROUTINE -----
C COMMAND ==> _
*
0 Enter the SMP target high level qualifier.
0
0 THILEV ==> TDITNT.ITM62242
0
0 F3=Back (Cancel)
0
000007 RTE_NAME SP13SHRB
000008 RTE_DESCRIPTION "SP13SHRB PARMLIB"
000009 RTE_TYPE SHARING * F
000010
000011 ** If RTE_TYP is SHARING:
000012 RTE_SHARE SP13BASE
000013 **
000014 ** RTE global defaults:
000015 RTE_HILEV CCAPI.RHILEV
000016 RTE_VSAM_HILEV CCAPI.RVHILEV
000017
000018 ** (Opt) Only valid when RTE_TYP is BASE:
000019 **RTE_BASE_NAME ""

```

04/019

A pop-up dialog is
invoked to ask for
the SMP/E target
high-level
qualifier of the
TKANCUS library
where the help
members are read

PARMLIB Parameter On-line Help (cont'd)



Once KCIRPLBS help macro is set-up, type PFSHOW ON to display the PF Keys. Place the cursor anywhere on the line containing the parameter for which help is to be displayed and hit PF14.

Session A - [24 x 80]
File Edit View Communication Actions Window Help

File Edit Edit_Settings Menu Utilities Compilers Test Help

ISREDDDE2 CCAPI.RHILEV.SP13SHRB.WCONFIG
Command ==> PFSHOW ON_ 
***** * ***** To 00072
000001 *
000002 * File created on 19 Jan 2010 at 03:30:04 by KCIRPLBC
000003 * Input file was 'CCAPI.PARMLIB.INSTJOBS(SP13SHRB)'
000004 *
000005
000006 RTE\$ BEGIN *----- CONFIGURATION TOOL V310 -----*
000007 RTE_NAME SP13SHRB
000008 RTE_DESCRIPTION "SP13SHRB PARMLIB Share SP13BASE RTE"
000009 RTE_TYPE SHARING * FULL, SHARING or BASE *
000010
000011 ** If RTE_TYP is SHARING:
000012 RTE_SHARE SP13BASE
000013 **
000014 ** RTE global defaults:
000015 RTE_HILEV CCAPI.RHILEV
000016 RTE_VSAM_HILEV CCAPI.RVHILEV
000017
F13=PFK Help F14=ParmHelp F15=PFK Back F16=RETURN F17=RFIND F18=RCHANGE
F19=UP F20=DOWN F21=PFKShow F22=LEFT F23=RIGHT F24=RETRIEVE

PARMLIB Parameter On-line Help (cont'd)

Help is displayed in a pop-up dialogue. The utility isolates the parameter, perform a look-up, and displays a pop-up dialogue with the detailed help information. From within this pop-up, if desired, hit PF5 to VIEW the entire KppAHELP/ KppBHELP files.

Session A - [24 x 80]

File Edit Edit_Settings Menu Utilities Compilers Test Help

```
E KCIPPLBP ----- $CFG VARIABLE HELP ---- Row 1 to 17 of 34
C COMMAND ==>
0
0 {KDS_TEMS_TCP_KDEB_INTERFACELIST} - TCP/IP network interface lis
0
0 Specify a list or network interfaces you want the Server to
0 use. This parameter is required for sites that are running
0 multiple TCP/IP interfaces or network adapters on the same
0 z/OS image. Setting this parameter allows you to direct the
0 Server to connect to a specific TCP/IP local interface.
0 Specify one or more network adapters by hostname
0 (fully-qualified hostname, or first qualifier of the
0 fully-qualified hostname), or by TCP addresses to be used for
0 input and output. If your site supports DNS, you can enter
0 the short hostname or an IP address. If your site does not
0 support DNS, you must enter the fully qualified hostname. This
0 field is only applicable for networks with multiple interface
0 cards for which a specific output network interface list is
0 required.
0
0
0 000201
```

begin *
le end *

Converted parameter name used in PARMLIB

PARMLIB Parameter On-line Help (cont'd)



Help is displayed in a pop-up dialogue. The utility isolates the parameter, perform a look-up, and displays a pop-up dialogue with the detailed help information. From within this pop-up, if desired, hit PF5 to VIEW the entire KppAHELP/ KppBHELP files.

```
Session A - [24 x 80]
File Edit Edit_Settings Menu Utilities Compilers Test Help
E KCIPPLBP ----- $CFG VARIABLE HELP --- Row 19 to 34 of 34
C COMMAND ==> _
0
0 specified, the Configuration tool generates the
0 KDEB_INTERFACELIST parameter in the KDSENV member of the
0 RKANPARU library. Note: Separate the entries using a blank
0 space between interface addresses. For example:
0 ==>{129.0.131.214 SYS1 SYS. IBM.COM}
0
0 Required: No
0 Maximum Length: 44
0 Type of Data: Character
0 Default value:
0 PMAP class: TCP
0 PMAP members: KDSENV
0 PMAP panels: KDS&DSVPREF.PPC KDS&DSVPREF.PPD
0 PMAP parm: KDEB_INTERFACELIST=&DSKDEB
0 PMAP skeletons: KDS&DSVPREF.SBB
0
0 F3=Back F5>Show All F7=Up F8=Down
0
000201
```

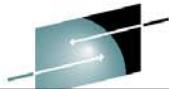
1 00072
=> CSR

**PMAP*()
parameter
mapping parms.**

PARMLIB Parameter Validation



SHARE in Boston



PARMLIB Parameter Validation Report

Generated automatically by
\$PARSE job or via
WCONFIG(KCIJPVAL)
standalone validation job

CCAPI.ZCAC.CIDSSYSG.WCONFIG(\$VALRPT)

CONFIG Files: File# DSNAME

- 1 CCAPI.ZCAC.CIDSSYSG.WCONFIG(\$CFG\$IE)
- 2 CCAPI.ZCAC.CIDSSYSG.WCONFIG(\$CFG\$USR)
- 3 CCAPI.ZCAC.CIDSSYSG.WCONFIG(CIDSSYSG)

This report contains three sections:

1. Parameter Validation Errors
2. Parameter Values Changed from Defaults
3. Components Configured in this RTE

Section 1: Parameter Validation Errors

Parameter Name
File#/Line#

Parameter Value
Error Line1
Error Line2

KDS_X_TEMS_CONFIRM_SHUTDOWN

3/641

100
Value must be <= 15.

3/641

100
Length must be <= 2.

KDS_X_TEMS_TASKS_ATTACHED_NUM

3/643

100
Length must be <= 1.

KDS_X_TEMS_WTO

3/640

Z
Must be in list: Y,N.
© 2010 IBM Corporation

PARMLIB

Installation/Configuration Verification (IVP)



SHARE in Boston

PARMLIB IVP

CCAPI.ZCAC.CIDSSYSG.WCONFIG(\$IVPRPT)

Generated by **KCIJPIVP job**

- * THE REPORT CONTAINS THE FOLLOWING SECTIONS:
 - * 1. REQUIRED CONFIGURATION BATCH JOBS
 - * 2. REQUIRED SEQUENTIAL DATASETS
 - * 3. REQUIRED PARTITIONED DATASETS AND MEMBERS.
 - * 4. REQUIRED VSAM DATASETS
-

* SECTION 1: REQUIRED CONFIGURATION BATCH JOBS

JOB	STATUS	JOBNAME	JOB#	DATE	TIME	HI-CC
KCIJPCFG	OK	CCAPICFG	J04711	10.147	11:58:58	00000
KCIJPUP1	OK	CCAPI\$SA	J08747	10.148	15:26:58	00000
KCIJPCNV	OK	CCAPI\$SA	J04746	10.147	12:08:01	00000
KCIJPMCF	OPTION					
KCIJPVAL	OK	CCAPI\$SA	J12895	10.147	12:10:39	00000
\$PARSE	OK	CCAPI\$SA	J19382	10.148	15:47:07	00000
KCIJPALO	WARNING	CCAPI\$JP	J06230	10.061	09:29:21	00002
KCIJPLOD	ERROR	CCAPI\$SA	J19402	10.148	16:43:27	SE37
KCIJPSYS	WARNING	CCAPI\$SY	J06331	10.061	09:38:36	00004
KCIJPUSP	OK	CCAPI\$SA	J19410	10.148	16:47:36	00000
KCIJPUSS	OK	CCAPI\$SA	J19412	10.148	16:47:44	00000
KCIJPSEC	OK	CCAPI\$SC	J06376	10.061	09:42:59	00000
KCIJPLNK	ERROR	CCAPILNK	J02126	10.139	08:50:03	00012
KCIJPCPY	OK	CCAPI\$JP	J15302	10.063	12:00:05	00000
KCIJPW2R	OK	CCAPIW2R	J02160	10.139	09:25:07	00000

**Review any
STATUS=ERROR
in the IVP report**

PARMLIB IVP (cont'd)

CCAPI.ZCAC.CIDSSYSG.WCONFIG(\$IVPRPT)

* SECTION 2: REQUIRED SEQUENTIAL DATASETS

DSNAME	STATUS	JOBNAME
.		
.		
CCAPI.ZCAC.CIDSSYSG.RKM5LPR3	OK	
CCAPI.ZCAC.CIDSSYSG.RKM5LPR2	OK	
CCAPI.ZCAC.CIDSSYSG.RKM5LPR1	OK	
CCAPI.ZCAC.LPAR400J.RKM5PLX3	OK	KCIJPALO
CCAPI.ZCAC.LPAR400J.RKM5PLX2	OK	KCIJPALO
CCAPI.ZCAC.LPAR400J.RKM5PLX1	OK	KCIJPALO
CCAPI.ZCAC.CIDSSYSG.RNASGRP3	MISSING	KCIJPALO
CCAPI.ZCAC.CIDSSYSG.RNASGRP2	MISSING	KCIJPALO
CCAPI.ZCAC.CIDSSYSG.RNASGRP1	MISSING	KCIJPALO
CCAPI.ZCAC.CIDSSYSG.RKNAHIS3	MISSING	KCIJPALO
CCAPI.ZCAC.CIDSSYSG.RKNAHIS2	MISSING	KCIJPALO
CCAPI.ZCAC.CIDSSYSG.RKNAHIS1	MISSING	KCIJPALO

Check the offending job (KCIJPALO in this example) as to why the datasets are missing.



PARMLIB Documentation



SHARE in Boston

PARMLIB Documentation



IBM PARMLIB Phase 2 - Alternative Configuration Mode for Pilot OMEGAMON z/OS Products - United - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://www-01.ibm.com/support/docview.wss?uid=swg21417935

Links IBM Business Transformation Homepage IBM Standard Software Installer IT Help

Yahoo! Answers Yahoo! Downloads Yahoo! Mail

Master PARMLIB Technote

URL: http://www-01.ibm.com/support/docview.wss?uid=swg21417935

Support & downloads > PARMLIB Phase 2 - Alternative Configuration Mode for Pilot OMEGAMON z/OS Products

Feedback

Abstract
PARMLIB Phase 2 - Alternative Configuration Mode for Pilot OMEGAMON XE and Tivoli Management Services Products on z/OS

Content
This is PARMLIB Phase 2 support to provide an alternative mode of configuring the pilot OMEGAMON products. The products listed below, along with their dependent configurable components, are supported to create a brand new runtime environment (RTE) using the new PARMLIB mode in lieu of using the current ICAT z/OS Configuration Tool.

Pilot Products for PARMLIB Phase 1:

=====

1. z/OS Tivoli Enterprise Monitoring Server V6.2.2
2. IBM Tivoli OMEGAMON XE for CICS on z/OS V4.2.0
3. IBM Tivoli OMEGAMON XE for DB2 on z/OS V4.2.0
4. IBM Tivoli OMEGAMON XE for IMS on z/OS V4.2.0
5. IBM Tivoli OMEGAMON XE on z/OS V4.2.0

Pilot Products for PARMLIB Phase 2:

=====

6. IBM Tivoli OMEGAMON DE on z/OS V4.2.0
7. IBM Tivoli OMEGAMON XE for Storage on z/OS V4.2.0
8. IBM OMEGAMON z/OS Management Console V4.1.0
9. IBM Tivoli OMEGAMON XE for Mainframe Networks V4.2.0
10. IBM Tivoli OMEGAMON XE for Messaging on z/OS V7.0.1
11. IBM Tivoli NetView for z/OS Agent V5.4.0
12. IBM Tivoli System Automation for z/OS V3.1.0
13. ITCAM for Transactions, File Transfer Enabler for z/OS V7.1.0

PARMLIB Phase 2 - Alternative Configuration Mode for Pilot OMEGAMON XE and Tivoli Management Services Products on z/OS (Revision - D05312010).doc

Done Internet

PARMLIB Documentation (cont'd)

Help - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Print Mail Find Bluetooth

Address http://publib.boulder.ibm.com/infocenter/tivihelp/v15r1/index.jsp Go

Links IBM Business Transformation Homepage IBM Standard Software Installer IT Help Central Join World Community Grid Join World Community Grid (2) My Yahoo! Yahoo! Answers Yahoo! Downloads Yahoo! Mail Country/region [select] Search

IBM Home Business solutions IT services Products Support & downloads My IBM

Search: GO Search scope: All topics

Contents

- Viewing information in the information center
- Using the publications
- OMEGAMON XE shared publications
 - Quick Start Guide
 - Common Planning and Configuration Guide
 - PDF
 - Figures
 - Tables
 - Planning your monitoring environment
 - Configuring components on z/OS
 - Completing and validating the configuration
 - Replicating configured environments
 - Configuration and deployment scenarios
 - Setting parameter values
 - Parameters overview
 - Using the Configuration Tool (ICAT) to set parameter values
 - Using the parameter library
 - Appendices
 - Upgrade Guide
- Parameter Reference
 - PDF
 - Overview
 - Global parameters
 - Runtime environment parameters
 - Tivoli Enterprise Monitoring Server parameters
 - Appendix A. Documentation library
 - Appendix B. Support information
 - Appendix C. Notices
 - Index

New PARMLIB Chapter

New in Phase 2

New Parameter Reference Book

New in Phase 2

IBM Tivoli Monitoring and OMEGAMON XE documentation

Welcome to this solution-based information center, which contains documentation for the OMEGAMON XE products, the IBM Tivoli Monitoring products, and the Tivoli Management Services components that they share.

Take a moment now to make sure that the version number of your documentation for each product matches the version number of the product. If it does not, select the correct version number in the Contents pane to the left, or find the documentation in the A-Z list of products at [Tivoli Documentation Central](#).

For information on obtaining and using the documents in this information center, see the [Documentation Guide](#).

Related resources

Support and assistance

- [IBM Support Assistant](#)
- [IBM Tivoli Open Process Automation Library \(OPAL\)](#)
- [Support for IBM Tivoli Monitoring and OMEGAMON XE products](#)
- [User community for Tivoli Software](#)

Training and certification

- [Tivoli software training and certification](#)

developerWorks

- [Tivoli developerWorks](#)
- [Tivoli Wiki Central](#)
- [Tivoli forums](#)
- [Tivoli Documentation Central](#)



THANK YOU



FOR YOUR TIME!

Questions and/or Feedback



Cecile Day

dayce@us.ibm.com



SHARE in Boston

PARMLIB

***** Live Demonstration *****



SHARE in Boston

Sample PARMLIB Usage Scenarios

- ▶ Q: How do I add my override KDS_NCSLISTEN=512 parameter in KDSENV?
- ▶ A: See WCONFIG(KDS\$PENV) to add KDS_NCSLISTEN=512
- ▶ Q: How do I turn off Autonomous Agent mode for all Agents?
- ▶ A: See WCONFIG(KAG\$PENV) to add IRA_AUTONOMOUS_MODE=N parameter
- ▶ Q: How do I turn off Autonomous Agent mode for CICS Agent only?
- ▶ A. See WCONFIG(KC5\$PENV) to add IRA_AUTONOMOUS_MODE=N parameter
- ▶ Q: How do I override KC2SYS* CICS CUA storage settings to MINIMUM(131072,X)?
- ▶ A. See WCONFIG(&rte_name) PARMLIB CONFIG profile's new KC2_X_CICS_STORAGE_MIN_EXTEND parameter
- ▶ Q: How do I override KOCVTM* CICS Classic to LROWS=999?
- ▶ A. See WCONFIG(&rte_name) PARMLIB CONFIG profile's new KC2_X_CLASSIC_LROWS parameter
- ▶ Q: How do I override KOSDEVIN DASD Data Collection settings for OMXE on z/OS Agent?
- ▶ A. See WCONFIG(&rte_name) PARMLIB CONFIG profile's new KM5_X_KOSDEVIN_* parameters

Sample PARMLIB Usage Scenarios (cont'd)

- ▶ Q: How do I override KC5SYSIN's OMXE for CICS Agent storage settings to higher LIMIT() and RESERVE() and preserve those changes?
- ▶ A. See WCONFIG(&rte_name) PARMLIB CONFIG profile's new KC5_X_AGT_STORAGE_* parameters
- ▶ Q: How do I preserve my SYSTCPD DD overrides in the TEMS and Agent started tasks?
- ▶ A: See WCONFIG(&rte_name) PARMLIB CONFIG profile's new Kpp_X_STC_SYSTCPD_INCLUDE_FLAG parameters
- ▶ Q: How do I override the Agent failover ITM default of switching back to the original primary TEMS?
- ▶ A: See WCONFIG(KAG\$PENV) to add CTIRA_PRIMARY_FALLBACK_INTERVAL=0
- ▶ Q: How do I generate a jobcard that is based on the jobname?
- ▶ A: See WCONFIG(\$JOBCARD) and customize using %SYSMEMBER% instead of hardcoded jobname.
- ▶ Q: If you refresh \$CFG\$IBM IBM Default CONFIG profile via maintenance, how do I sync-up my copy?
- ▶ A: See WCONFIG(KCIJPMCF) merge CONFIG profile job