Support Technical Exchange:

Good news for maintenance windows - install, configure and upgrade OMEGAMON/ITM suite faster using JOBGEN/PARMGEN

Presenter: *Cecile C. Day,* z/OS® ITM/OMEGAMON Install/Config. R&D, IBM Software Group
- 09 January 2013 (Part 2)
- 16 November 2012 (Part 1)

Agenda

➡️ *Summary – Why PARMGEN?*
➡️ *Recent PARMGEN Offerings*
➡️ *z/OS Product Families Supported by PARMGEN*
➡️ *Planned PARMGEN Time-to-Value (TTV) Enhancements in 4Q12 and 1Q13*
➡️ *PARMGEN Documentation (Master PARMGEN Technote and OMEGAMON Enhanced 3270UI Technotes/Links)*
➡️ *Recommended Maintenance, Wikis and Links*
➡️ *PARMGEN Sample Scenarios / Live Demonstration*
➡️ *FAQs and Best Practices*
➡️ *Q&A*
➡️ *Thank You!*

Summary – PARMGEN and OMXE V510s

What PARMGEN Offered for the V510s? To highlight a few of the TTV enhancements, the PARMGEN process:

1. *Supports __all__ the OMEGAMON XE V510+ PARMGEN APPCONFIG requirements to support OMEGAMON Enhanced 3270UI and Self Describing Agent (SDA) along with application-specific V510 new version features.*
2. *Is "__RTE-centric__" (aka "__function-centric, task-oriented__") rather than product-centric so you get to define all the products you want in an RTE and generate that environment in just one set of composite jobs (e.g., 8-12 PARMGEN jobs versus __hundreds__ in ICAT if you have all the products configured)*
3. *Makes extensive use of real system variables and even supports user-defined symbols.*
4. *Harvests settings from an existing ICAT environment (if any) to use customer values.*

Long-standing requests since Candle days - not in ICAT but now in PARMGEN!

Summary – PARMGEN and OMXE V510s

What PARMGEN Offered for the V510s? To highlight a few of the TTV enhancements, the PARMGEN process:
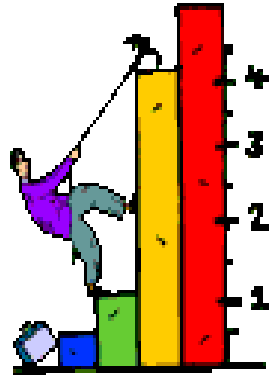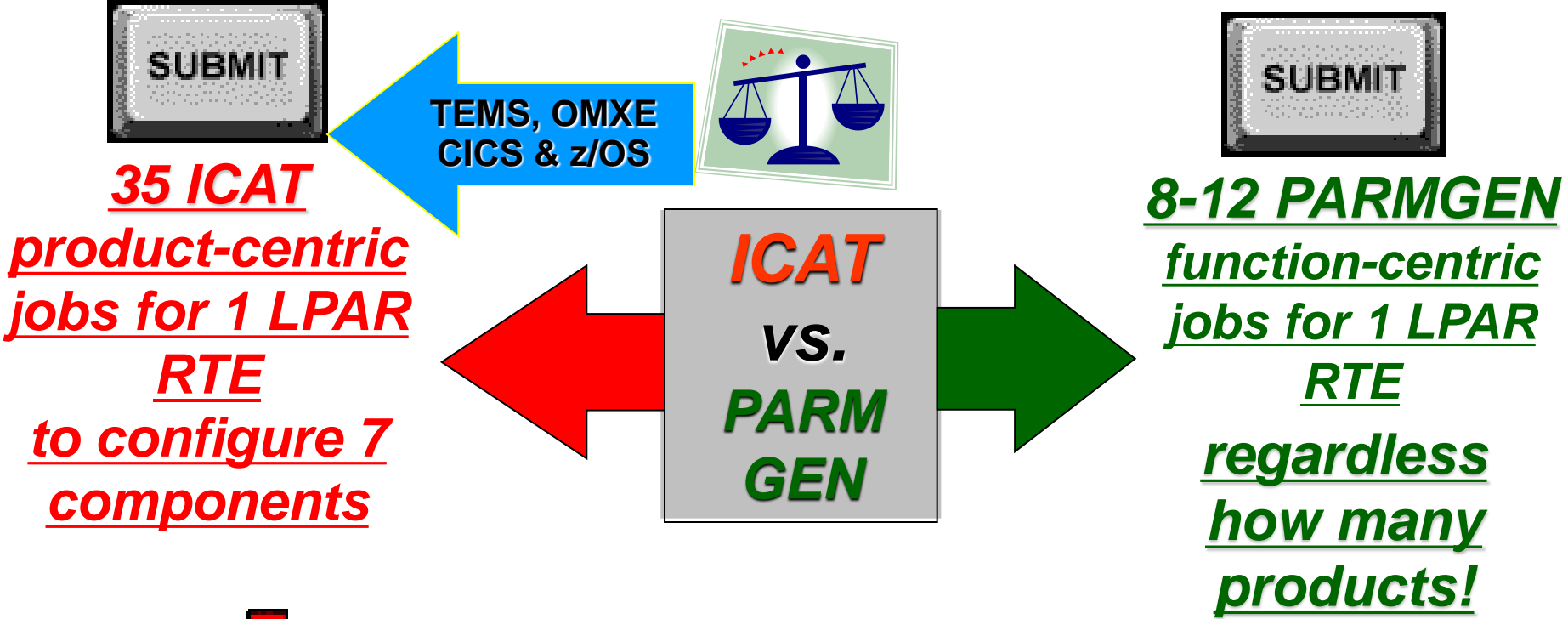
5. *Autodiscovers system-specific values so a number of <u>out-of-the-box</u> system-specific RTE values are already set in the RTE profile by default -- saves customization time!*
6. *Supports ease of upgrade from a PARMGEN-to-PARMGEN RTE environment.*
7. *Supports a more staged maintenance/upgrade – does **not** (re)create the runtime members <u>directly</u> into the production RKANCMDU, RKANPARU, and other user execution libraries.*
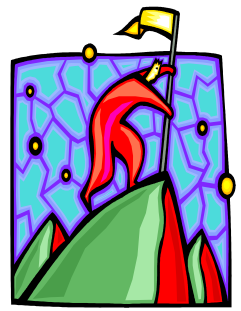
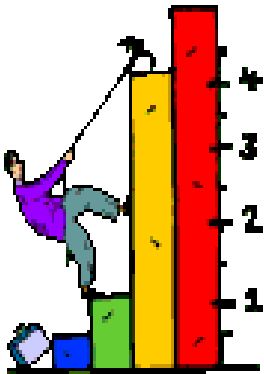Long-standing requests since Candle days - not in ICAT but now in PARMGEN!

Product-centric (ICAT) vs. Function RTE-centric jobs (PARMGEN)

SUBMIT

TEMS, OMXE CICS & z/OS

35 ICAT product-centric jobs for 1 LPAR RTE to configure 7 components

ICAT
vs.
PARM GEN

SUBMIT

8-12 PARMGEN function-centric jobs for 1 LPAR RTE

regardless how many products!

Quantifiable Results!

Product-centric (ICAT) vs. Function RTE-centric jobs (PARMGEN)

All products

ICAT vs. PARM GEN

150 ICAT product-centric jobs for 1 LPAR RTE to configure 38 components

8-12 PARMGEN function-centric jobs for 1 LPAR RTE regardless how many products!
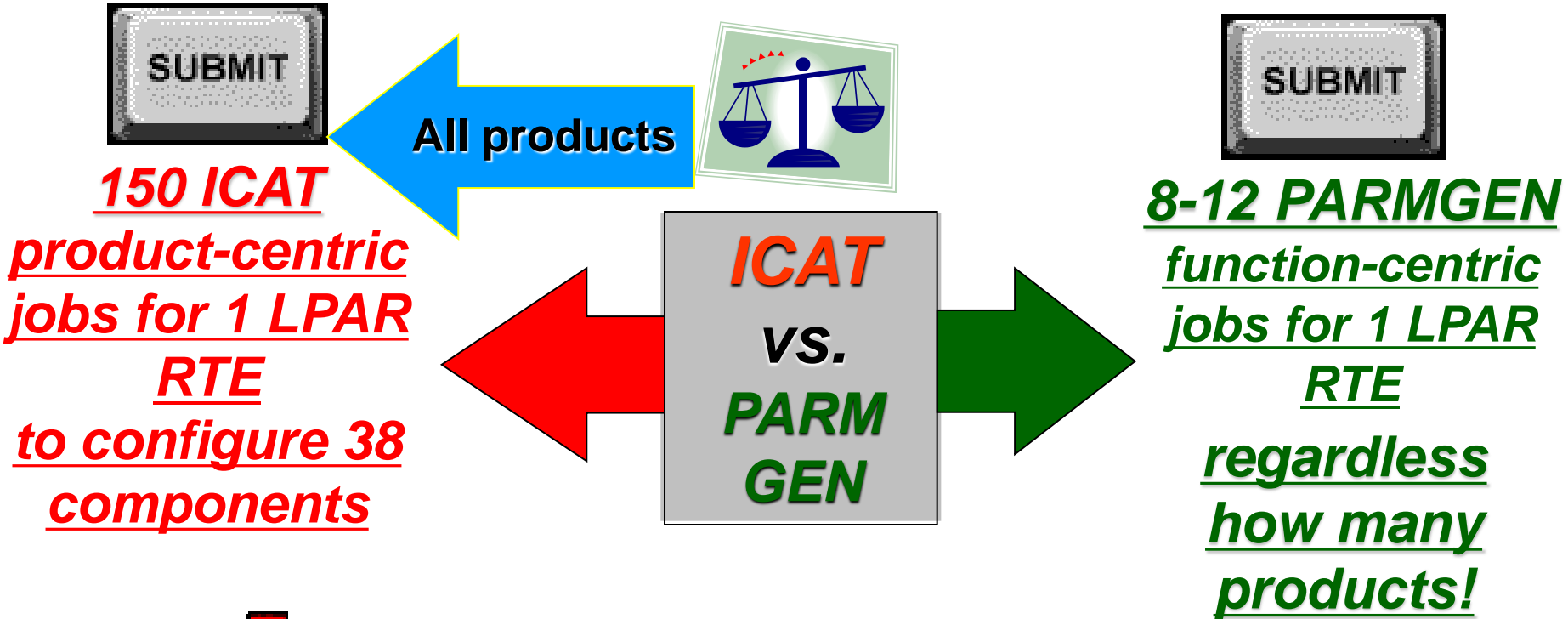
Quantifiable Results!

Most Important Validation – Our Customer Experience

Lots of great feedback from Pulse, EAP, zCAC, RFEs, PMR suggestions, etc.

Recent quotes in 4Q12:

- *"I love PARMGEN so far!"*

- *"Customer switched to PARMGEN with a V420 roll-out in December 2011 & this move up to V510 came much quicker than I even hoped. They are happy with PARMGEN and weren't fans of ICAT"*

- *"I like the PARMGEN and I believe our customers will like it. No longer going through a bunch of panels for each product and it's similar to using Batch ICAT which most customer have made use of from what I have seen."*

- *"Parmgen Configuration Tool. Great improvement over ICAT"*

Most Important Validation – Our Customer Experience

🔺 *Recent quotes in 3Q12: (continued)*

- ✅ *"I do like the updates in the PARMGEN reference guide. One of my concerns is to have an easy to use procedure on what to do after applying maintenance. I think that Scenario 3 in Chapter 3 gives a good explanation on the different options and what to do. And it is written in a language that everyone can understand (;-)). Tips like the one on page 178 are certainly an added value to this documentation. Pick up the good idea's from different sites and make them available to other people."*

- ✅ *"PARMGEN picking up speed in the field.. Once we logged onto the OM, OMII, and TOM each customer said, "That's it? That's all there is to it?". Great JOB... I love it. "*

- ✅ *"PARMGEN is a good step to have a generation tool one can trust" and SDA is very good to always have a consistent environment between z/OS and Windows (for our environment)..""*

- ✅ *"The Parmgen tool is an outstanding improvement compared with ICAT, as I mention in one of my previous notes we were avoiding the upgrade of Omegamon mainly because of ICAT, we were able to create and use a new RTE in 1 day (with the ICAT tool it takes us between 1 and 2 weeks)."*

z/OS Product Families Supported by PARMGEN

z/OS Product Families Supported by PARMGEN

z/OS TMS family

TEMS, Common Agent,

Common Persistent Datastore

OMEGAMON family

z/OS, CICS, DB2, IMS,

Storage,

OMEGAVIEW, OMEGAVIEW II,

Mainframe Networks,

Messaging,

Management Console,

z/OS ITCAM family

SOA,

WebSphere (Appl. Diagnostics),

File Transfer Enabler

NetView family

NetView for z/OS Agent

Rocket family

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

PARMGEN Configuration Framework

TDS family

Tivoli Decision Support Agent

System Automation family

System Automation for z/OS Agent

Recent PARMGEN Framework Enhancements

We continue to research other PARMGEN Integration Opportunities

Provide a more integrated "*SHARE*" model:

S -ave and store values to a common data repository

H -arvest values from a common data repository where user
      settings were configured/customized

A -utodiscover from system values/any available data
      repository where user settings were configured/customized

R -euse values by any subsequent install/config. process

E -xtend common JOBGEN/PARMGEN repository to
      other installers/configurators to render similar "*SHARE*"
      model

Recent PARMGEN Offerings for the OMXE V510s

✅ *A. PARMGEN Configuration Framework Enhancements – User Stories supported:*

✔️ 1. Install Job Generator/PARMGEN Workflow UI Integration with Service Management Connect (SMC) linkage:

➤ *Scenario: "As a new user of installing and configuring the OMEGAMON/ITM products on z/OS, I want a "one-stop source" on z/OS to help me navigate through the software **d**eployment checklists/steps of **p**lanning, **o**rdering, **i**nstalling, **c**onfiguring and **m**aintaining our products."*

➤ *Value add:*

Not in ICAT ➤ ❖ Provide new **Software Deployment JOBGEN/PARMGEN Integration menu** with Service Management Connect (**SMC**) linkage and deployment checklists.

Not in ICAT ➤ ❖ Provide the option to discover last referenced JOBGEN output library if user wants PARMGEN to reuse CALLLIBS parameters from the JOBGEN repository field.

JOBGEN/PARMGEN Integration Splashscreen with SMC

```
        Welcome to the z/OS Installation and Configuration Tools for
            IBM Tivoli Management Services (TMS) dependent products

Option ===> _

Read/Print Checklists prior to installation and configuration:

1.  Checklist: Planning and Acquisition
2.  Checklist: Prepare the system
3.  Checklist: Review the product components & installation steps

4.  SMP/E-install z/OS products with Install Job Generator (JOBGEN)
5.  Configure z/OS products with Parameter Generator Workflow (PARMGEN)

6.  Checklist: Complete the post-configuration steps

7.  About joining the community: Service Management Connect (SMC)

P.  Print checklist(s) selectively
```
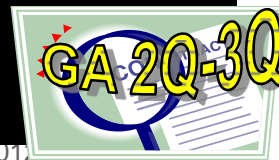
ETE flow

Seamless integration

SMC option that brings up a README

GA 2Q-3Q

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JOBGEN/PARMGEN Integration Splashscreen with SMC

```
HELP--- Z/OS INSTALLATION AND CONFIGURATION TOOLS - WELCOME (Continued) ---
COMMAND ===> _

post-configuration steps that must be reviewed and implemented prior
to starting up the products.

7. About joining the community: Service Management Connect
This section provides a high-level summary of the benefits of joining
the Service Management Connect (SMC) community, as well as information
about the SMC community linkage.

P. Print checklist(s) selectively
This section provides a sub-menu that allows you to print your Software
Deployment checklist of choice.

Maintenance Level Information:
This section provides the different maintenance levels for FMID
HKCI310, which supplies infrastructure support for:
A. Installation Tool:
    1. Install Job Generator (JOBGEN) - Last updated by PTF UA66332
       (APAR OA39890 - 3Q12B Interim Feature (IF))
B. Configuration Tools:
    1. Parameter Generator (PARMGEN)  - Last updated by PTF UA67172
       (Press ENTER to continue)
```

Help panel

Latest nQyy IF, APAR and PTF#

Recent PARMGEN Offerings for the OMXE V510s

☑ *A. PARMGEN Configuration Framework Enhancements – User Stories supported (continued):*

✔ 2. Provide new PARMGEN Workflow UI panel options and jobs to make RTE maintenance even easier:

> ➢ **Scenario:** *"As the installer/configurator of dozens of RTEs, I want an easier access to the RTE maintenance and cloning jobs.*

> ➢ **Value add:**
>> ❖ **Provide new options on the PARMGEN Workflow main panel:**
>>> ▪ *"3. KCIJPCCF Clone customized WCONFIG members.(Optional)*
>>> ▪ *"5. KCIJPMC1 Merge profile from backup %RTE_NAME%.*
>>> ▪ *"6. KCIJPMC2 Merge profile from model RTE.   (Optional)*
>>> ▪ *"U Utilities Access PARMGEN Utilities"*
>>
>> ❖ **Provide an RTE inventory listing to allow switching from one RTE to another.**
>>
>> ❖ **Provide new standalone PARMGEN utility jobs in the &rhilev.&rte,WKANSAMU library: KCIJPCPR backup RK* production user runtime libraries job and KCIJPCPW backup WK* PARMGEN work libraries job. These jobs intend to replace KCIJPCY backup job which currently still needs further editing to specify which set of libraries to copy into the back-up libraries.**

PARMGEN Workflow UI – more ease-of-use options added

```
KCIP@PG0 ------ PARAMETER GENERATOR (PARMGEN) WORKFLOW - WELCOME --------------
Option ===> _                                          Scroll ===> CSR
Enter PARMGEN parameter values appropriate for your environment:
GBL_USER_JCL:     TDITN.SYSPLEX.PARMGEN.JCL_____
                  PARMGEN common/global library for RTEs (CONFIG DD lib. in STCs)
RTE_PLIB_HILEV: TSTEST.CANDLET_____
                  High-Level Qualifier (HLQ) of work libraries (IK*,WCONFIG,WK*)
RTE_NAME:         DEMOMVS_   (Type ? for a list of configured RTEs)
                  Runtime environment (RTE) name for this LPAR


Note:   Enter  n  (1-11) to perform tasks.              Status      Date
        Enter  ns (1s-11s) for detailed job/task status.  --------- ----------

1.   KCIJPCFG Set up PARMGEN work environment for an RTE.
2.   $JOBINDX Review PARMGEN job index.
3.   KCIJPCCF Clone customized WCONFIG members.         (COND)
4.   KCIJPUP1 Update interim libraries and create profiles.
5.   KCIJPMC1 Merge profile from backup DEMOMVS        (COND)
6.   KCIJPMC2 Merge profile from model RTE.            (COND)
7.   KCIJPCNV Convert an ICAT RTE Batch member.        (COND)
8.   DEMOMVS  Customize PARMGEN configuration profiles.
9.   KCIJPVAL Validate PARMGEN profile parameter values.
10.  $PARSE   Create the RTE members and jobs.
11.  SUBMIT   Submit batch jobs to complete PARMGEN setup.
U    Utility  Access PARMGEN utilities.                (Optional)
R    New RTE  Reset RTE, Status and Date fields.       (Optional)
```

See CUAATTR ISPF cmd.

ETE Config Workflow menu

GA 2Q-3Q
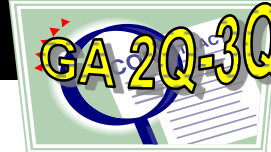
PARMGEN Workflow UI – more ease-of-use options added

```
KCIP@PGU ----------------- ACCESS PARMGEN UTILITIES -----------------
Option ===> _

  Select an option to display a dataset member list.

     1. WKANCMDU                  TSTEST.CANDLET.DEMOMVS.WKANCMDU
     2. WKANPARU                  TSTEST.CANDLET.DEMOMVS.WKANPARU
     3. WKANSAMU                  TSTEST.CANDLET.DEMOMVS.WKANSAMU
     4. WKD2PAR                   TSTEST.CANDLET.DEMOMVS.WKD2PAR
     5. WKD2PRF                   TSTEST.CANDLET.DEMOMVS.WKD2PRF
     6. WKD2SAM                   TSTEST.CANDLET.DEMOMVS.WKD2SAM
     7. WCONFIG                   TSTEST.CANDLET.DEMOMVS.WCONFIG
     8. GBL_USER_JCL              TDITN.SYSPLEX.PARMGEN.JCL
     9. RTE_X_SECURITY_EXIT_LIB   TSTEST.CANDLET.DEMOMVS.RKANSAMU
```
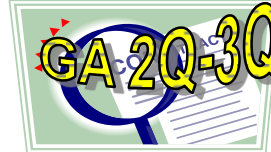
Future options for printable, on-line READMEs and post-configuration steps

Recent PARMGEN Offerings for the OMXE V510s

- ✔ *A. PARMGEN Configuration Framework Enhancements – User Stories supported (continued):*

3. Enhance PARMGEN configuration processing without dependency on the SMP/E CSI installation values:
   - ➢ ***Scenario:*** *"As the configurator of RTEs at our shop, I want to deploy the OMEGAMON/ITM products but I do not have access to the SMP/E global CSI environment as another group performs that function in our environment.*
   - ➢ ***Value add:*** Remove the PARMGEN process dependency on the SMP/E global CSI fields.

PARMGEN Workflow UI – more ease-of-use options added

```
KCIP@PG2 ---- SET UP PARMGEN WORK ENVIRONMENT FOR AN RTE (2 OF 3) ----------
Command ===>

GBL_USER_JCL:       TDITN.SYSPLEX.PARMGEN.JCL
RTE_PLIB_HILEV:     TSTEST.CANDLET
RTE_NAME:           DEMOMVS

Enter parameter values appropriate for your environment:


GBL_INST_HILEV:     _____
                    HLQ of ICAT INSTLIB/INSTJOBS installation datasets



GBL_TARGET_HILEV:   TDITNT.DEV.ITM62351_____
                    HLQ of SMP/E target (TK*) datasets

GBL_SYSDA_UNIT:     SYSDA___
                    Non-VSAM disk UNIT (global work datasets)

Note: Type BACK to go back one panel.
```

CSI_DSN and TARGET_ZONE removed
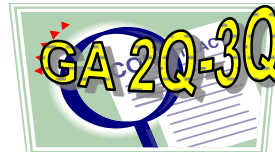
GA 2Q-3Q

Recent PARMGEN Offerings for the OMXE V510s

✅ *A. PARMGEN Configuration Framework Enhancements – User Stories supported (continued):*

✔ 4. Provide an easier ICAT->PARMGEN conversion for sharing RTEs:

  ➢ *Scenario: "As a new user of PARMGEN trying to convert my ICAT RTEs that are sharing with a Base RTE of which read-only base libraries reside in different SMS volumes and RTE HLQ separate from the master RTE sharing the base, I want PARMGEN to automatically pre-populate the shared-to RTE values from the shared base RTE as I convert the RTE sharing the base so I have less parameters to customize in the PARMGEN profile."*

  ➢ *Value add:* Support PARMGEN KCIJPCNV ICAT->PARMGEN conversion job to convert shared-to RTE values automatically for PARMGEN LPAR RTE profile parameters like HLQ and SMS parms. if set by the shared-to RTE like a Base RTE.

Recent PARMGEN Offerings for the OMXE V510s

☑ *A. PARMGEN Configuration Framework Enhancements – User Stories supported (continued):*

✔ 4. Provide an easier ICAT->PARMGEN conversion for sharing RTEs:

  ➢ ***Value add:*** Support PARMGEN KCIJPCNV ICAT->PARMGEN conversion job to convert shared-to RTE values automatically for PARMGEN LPAR RTE profile parameters like HLQ and SMS parms. if set by the shared-to RTE like a Base RTE.

  ➢ ***Customer quote:***

"I see with GREAT JOY, that you now use the BATCH member name: If RTE_TYP=SHARING   RTE_SHARE=BASE to automatically set RTE_X_HILEV_SHARING."

"This will save a validation error in the PARMGEN validation step"

Planned PARMGEN TTV Enhancements in 4Q12 and 1Q13

PARMGEN 4Q12 Base Contents

** Base Contents:

☐ **Enhance the KCIJPW2R WK*->RK* Deployment job to provide support for non-PARMGEN controlled members to be preserved in the RK* user libraries and provide a user-controlled list of EXCLUDE members.**

  ➢ **Benefit: Save time from having to manually copy back non-PARMGEN-tailored (but required) user customized members.**

☐ **Provide several APPCONFIG enhancements for the TEMS, e3270UI, and a number of OMEGAMON products.**

  ➢ **Benefit: Most RFEs are aimed towards more autodiscovery and manual post-configuration step reduction.**

Enablement Support:

❖ **Common Infrastructure:**

▪ **4Q12A** APAR#: OA40035 for **HKCI310 PTF UA67172** (**ETA GA 12/31/2012**)
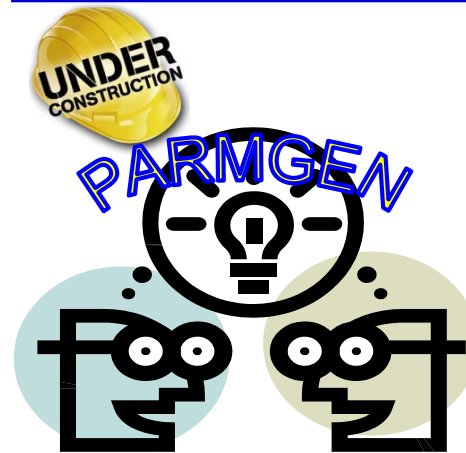
PARMGEN 1Q13 Base Contents

** Base Contents (to-date):

- ☐ **Provide additional global RTE options on the KCIJPCFG panels to create a more-tailored, out-of-the box PARMGEN CONFIG profiles.**
  - ➢ **Benefit: For first-time users, less parameters to customize in the profile (added 490 parameters already tailored).**
- ☐ **Support a more automated PARMGEN RTE CONFIG profile refresh mechanism when common and/or global RTE configuration values are modified after initial deployment.**
  - ➢ **Benefit: Reduce the profile refresh steps from 4 PARMGEN steps to 1 automated job.**
- ☐ **Implement KOBSUPDT OMEGAMON security standardization of where the KppSUPDI command table exits can be maintained for user customizations so the composite KCIJPSEC security job can take advantage of using the common security exit library.**
  - ➢ **Benefit: Reduce the post-configuration security steps and give customers one place to lock-down the security exits.**

Enablement Support:

- ❖ **Common Infrastructure:**
- ▪ **1Q13A** APAR#: OA40649 for **HKCI310 PTF UA*nnnnn* (ETA GA 03/31/2013)**
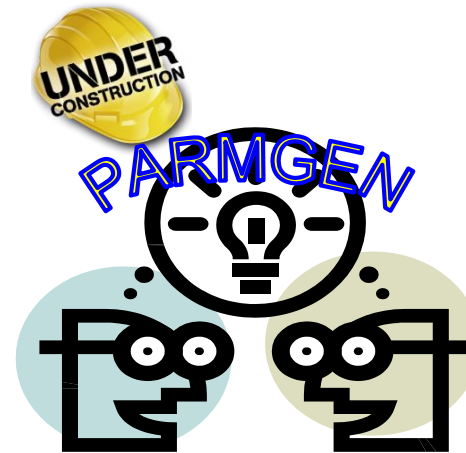
PARMGEN Documentation

PARMGEN Documentation (Master Technote)

Master PARMGEN Technote

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

PARMGEN Alternative Configuration for OMEGAMON/TMS Products on z/OS

Abstract

PARMGEN Alternative Configuration for IBM Tivoli OMEGAMON XE and other Tivoli Management Services (TMS) dependent products

Content

Introduction:
This is PARMGEN configuration support to provide an alternative mode of configuring the IBM Tivoli OMEGAMON XE and other Tivoli Management Services (TMS) dependent products on z/OS.

The products listed below, along with their dependent configurable components, are supported to create a brand new runtime environment (RTE) using the new PARMGEN mode in lieu of using the current ICAT z/OS Configuration Tool. The following versions are listed as the *minimum** versions that PARMGEN mode supports for these products:

▼ z/OS Product Families Supported by PARMGEN (Minimum Versions)
Products configured in ICAT RTEs that will be converted to PARMGEN RTEs would need to be at these minimum versions listed above.

· IBM Tivoli Management Services on z/OS V6.2.2
  1. Component Tivoli Enterprise Monitoring ...

** Ongoing ** In between publication re-release, the technote gets updated for alerts, next IF so customers can subscribe to the APAR, etc.

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PARMGEN Documentation (Master Technote) (continued)

Enablement Support: updated

Download the latest GA ⭐ PARMGEN PTFs and let's get started!

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

Master PARMGEN Technote

APAR#	FMID / PTF#	Release Date
OA...	...UA61757 HKDS623/UA62353	January 26, 2012 (1Q12)
OA38375 OA38366	HKCI310/UA63670 HKDS623/UA63672 HKDS622/UA63671	February 26, 2012 (1Q12B)
OA39386 OA38938	HKCI310/UA65042 HKDS623/UA64408	April 26, 2012 (2Q12A)
OA38937	HKCI310/UA64407	June 15, 2012 (2Q12B)
OA39626 OA40072 OA40196 OA39630 OA40162	HKCI310/UA66338 HKDS623/UA66248	August 31, 2012 (3Q12A)
OA39890	HKCI310/UA66332	*GA* September 22, 2012 ⭐ (3Q12B)
OA40035 NEW!	HKCI310/UA67172	4Q12A - ETA GA **TBD** ⬇ Subscribe now!
OA40649 NEW!	HKCI310/UAnnnnn	1Q13A - ETA GA **TBD** ⬇ Subscribe now!

4Q12 1Q13

NEXT

⬇ Subscribe: http://www-01.ibm.com/support/electronicsupport/ Sign-up for IBM
MyNotifications: https://www.ibm.com/support/mynotifications

Once the latest HKCI310/HKDSvvv configuration PTFs are applied, execute the PARMGEN code from your &gbl_target_hilev.TKANCUS** OMEGAMON/ITM SMP/E target library as shown in the example invocation below:
==

Details:
In the "**Attachments**:" section of this technote is a detailed discussion of the following PARMGEN topics:

- Section: What's new? (GA) Sub-section: What's New in 3Q12B:⭐ *GA*<--- *** Required reading ***
- Section: What Will Be In 4Q12A? Request for Enhancements (RFE)/Issues Addressed by APAR OA40035 / HKCI310 UA67172 updated
- Section: What Will Be In 1Q13A? Request for Enhancements (RFE)/Issues Addressed by APAR OA40649 NEW!
- Section: FAQS updated
- Section: Sample RTE Implementation Scenarios updated
- Section: RFEs for Prioritization
- Section: (Reference Only) Previous nQyyA/nQyyB Interim Features (IFs)

NEW

Ongoing updates to the FAQs (framework or APPCONFIG updates across 38 components)

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*** *Required reading* ***

Section: What's New in 3Q12B: NEW! ⭐ *GA*

▼ Section: What is in 3Q12B? RFEs/Issues Addressed by APAR OA39890 (HKCI310 PTF UA66332):

Section: 3Q12B Request for Enhancements (RFE)/Issues Addressed by APAR OA39890 (HKCI310 PTF UA66332): NEW!

*** *Important HOLDDATA-related Details and Notes in 3Q12B PTFs* ***

- *3Q12B Note#1*: Please review "*Section: What's New in 3Q12A*" and "*Section: What's New in 2Q12B*" HOLDDATA information if you have not done so already. If you will be reconfiguring the existing PARMGEN-created RTE, then once you apply any of the xQ12* maintenance, perform step #1 and #2 *at a minimum*:

1. *** *Required* *** Refresh your *KCIJPCFG* job by simply navigating to "*1. KCIJPCFG Set up* PARMGEN work environment for an RTE.* " step on the PARMGEN Workflow UI (KCIP@PG0) menu. *Regenerate and resubmit* the KCIJPCFG job.

2. *** *Required* *** Rerun the *KCIJPUP1* job ("*KCIJPUP1 Update interim libraries and create profiles*." option on the KCIP@PG0 menu).

3. *** *Conditional* *** Depending on which RTE maintenance scenario you are performing as outlined in *FAQ#5* in the "*Section: FAQ*" below, proceed with the applicable PARMGEN steps (rerunning $PARSE job, rerunning KCIJcLOD job on the SUBMIT option sub-menu, etc.)

- *3Q12B Note#2:* Updated WCONFIG(Kpp$*) Override Imbeds that need to be deleted or renamed so KCIJPUP1 job automatically *rebuilds a new default Kpp$P* override member.* *** *Conditional* *** Rename the following WCONFIG(Kpp$*) members prior to regenerating and resubmitting the KCIJPUP1 job. Note that these members are typically preserved so KCIJPUP1 job will not create a new&improved version if the Kpp$* exists in WCONFIG library.

- WCONFIG(KN3$SNMP) - applicable if you are configuring the OMEGAMON XE for Mainframe Networks (KN3) component.

- *Changes:* Initial default IP addresses are populated by default based on the system's autodiscovered IP address in the system where you will submit the KCIJPUP1 job.

T I p

HOLDDATA in PTF cross-references the PARMGEN technote for important REASON(ACTION) details.

▼ Section: What Will Be In 4Q12A? RFEs/Issues Addressed by APAR OA40035 (HKCI310 PTF UA67...

Section: 4Q12A Request for Enhancements (RFE)/Issues Addressed by APAR OA40035 (HKCI310 PTF UA67172): NEW!

*** Important HOLDDATA-related Details and Notes applicable to the 4Q12A HKCI310 UA67172 PTF ***

- **4Q12A Note#1**: Please review "**Section: What's New in 3Q12x**" and "**Section: What's New in 2Q12x**" HOLDDATA information if you have not done so already. If you will be reconfiguring the existing PARMGEN-created RTE, then once you apply any of the xQ12* maintenance, perform step #2 **at a minimum** then proceed with reviewing FAQ#5. If you will be upgrading the product FMIDs, perform step#1, #2, and #3 below:

1. *** **Required***** Refresh your **KCIJPCFG** job by simply navigating to "**1. KCIJPCFG Set up** PARMGEN work environment for an RTE. " step on the PARMGEN Workflow UI (KCIP@PG0) menu. **Regenerate and resubmit** the KCIJPCFG job.

2. *** **Required***** Rerun the **KCIJPUP1** job ("**KCIJPUP1 Update interim libraries and create profiles**." option on the KCIP@PG0 menu).

3. *** **Conditional** *** Depending on which RTE maintenance scenario you are performing as outlined in **FAQ#5** in the "**Section: FAQ**" below, proceed with the applicable PARMGEN steps (rerunning $PARSE job, rerunning KCIJcLOD job on the SUBMIT option sub-menu, etc.)

- **4Q12A Note#2:** Changed PARMGEN profile parameters and/or default values.
  - **A. New WCONFIG RTE LPAR profile parameters:**
1. **KDS_X_TEMS_KDSSTRT1_DELAY_INT** - if you have a z/OS Tivoli Enterprise Monitoring Server (TEMS). This parameter is used to control the interval when the TEMS issues the Agent startup commands, including the OMEGAMON Enhanced 3270 Data Retrieval Agent (DRA) included in the xKANCMDU(KDSSTRT1) member. The default is 180 seconds (3 minutes).

- **B. Deleted/Obsolete WCONFIG RTE LPAR profile parameters:**

Tip

Important HOLDDATA notes are enumerated:
- when KCIJPCFG job is required
- any new RTE profile parameters
- any deleted RTE profile parameters
- any new WCONFIG override imbeds (Kpp$*)

PARMGEN Documentation (Master Technote) (continued)

The following enhancements and issues are addressed in the **HKCI310 PARMGEN PTF UA67172** for **APAR OA40035**:

A. 4Q12A Enhancements:

==

▸ RFE: Provide PARMGEN Workflow UI improvements for PARMGEN: A. Configuration Framework Enhancements/Updates B. A...

===END "*Sub-section: A. 4Q12A Enhancements*" ⬅

==

B. 4Q12A Issues:

▸ SYMPTOM: OMEGAMON XE for CICS Classic 3270 Menu address space (CANSOC0 by default) encounters these messages i...

▸ SYMPTOM: PARMGEN KCIJPUSS job and DS#Uxxxx ICAT USS job loggers report a condition code = 0000 although the Self...

▸ SYMPTOM: CANSO2 OMXE for DB2 PE/PM started task's SYSTSPRT DD encounters an "CALL '''steplib_indsname''(KCIPAR...

===END "*Sub-section: B. 4Q12A Issues*" ⬅

===END "*Sub-section: 4Q12A Enhancements/Issues Addressed* "=== ⬅

T I p

Each nQyyx IF has 2 sub-sections:
A. Enhancements (PARMGEN Workflow UI framework and PARMGEN APPCONFIG (app-specific))
B. Issues and Workaround Until PTF is available

Take note of
===END *"&section"*=== *markers*

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PARMGEN Documentation (Master Technote) (continued)

▼ RFE: Provide PARMGEN Workflow UI improvements for PARMGEN: A. Configuration Framework Enhancements/Updates B. A...

● RFE: *Provide PARMGEN Workflow UI improvements for:*

A. *PARMGEN Configuration Framework Enhancements/Updates:*

1. *Enhance the KCIJPW2R WK*->RK* Deployment job to provide support for non-PARMGEN controlled members to be preserved in the RK* user libraries and provide a user-controlled list of EXCLUDE members.*
   ➢*Benefit: Save time from having to manually copy back non-PARMGEN-tailored (but required) user customized members.*

2. *Implement KOBSUPDT OMEGAMON security standardization (Phase 1) of where the KppSUPDI (KOCSUPDI, KO2SUPDI, KOISUPDI, and KOMSUPDI) Classic command table exits can be maintained for user customizations so the composite KCIJPSEC security job can take advantage of using the commonRTE_X_SECURITY_EXIT_LIB as the standard security user exit library. See master PARMGEN technote FAQ#37 for more information.*
   ➢*Benefit: Reduce the post-configuration security steps and give customers one place to lock-down the security exits.*

===END "*Sub-section: A. 4Q12A RFEs>>A. Configuration Framework Enhancements/Updates:*"

B. *PARMGEN-supported Application Configuration Enhancements/Updates:*

1. *Tivoli Enterprise Monitoring Server (TEMS) and OMEGAMON Enhanced 3270UI: Support a user-controlled "KDS_X_TEMS_KDSSTRT1_DELAY_INT" parameter to control the interval when the TEMS issues the Agent startup commands, including the OMEGAMON Enhanced 3270 Data Retrieval Agent (DRA) included in the xKANCMDU(KDSSTRT1) member.*

2. *OMEGAMON Enhanced 3270UI: Remove the following note in the RTE_SECURITY_CLASS Global SAF security class name: "If using ACF2 as your external security resource manager, specify a maximum of three characters." as this requirement does not apply to e3270UI.*

3. *Common Agent configuration: Provide sample Agent Autonomy-related default parameters as placeholders in the WCONFIG(KAG$PENV) common Agent xKANPARU(KppENV) standalone Agent environment member. Please refer to the IBM Tivoli Monitoring Administrator's Guide for more information if you wish to exploit these features.*

4. *Common Persistent Datastore: Default the Persistent Datastore related SMS parameters with the global RTE SMS-related*

T I p Section nQyyx Enhancement (source: RFEs, PMRs, EAPs/Beta Forums):
A. PARMGEN Workflow UI framework
B.PARMGEN APPCONFIG requested by each application

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PARMGEN Documentation (Master Technote) (continued)

5. _OMEGAMON XE for CICS on z/OS V4.2.0 and higher versions_: Increase the PARMGEN KCIJPALO allocation/initialization support for task history VSAM libraries (%RTE_VSAM_HILEV%.%RTE_NAME%.%KC2_HSnn_CLASSIC_CICS_REGION%.RKC2HIST) for CICS regions greater than 99 CICS regions.

6. _OMEGAMON XE for DB2 PE/PM V4.2.0 and higher versions_: Allocate the TMPD2* DDNAMEs for temporary datasets in the CANSO2 and CANSD2 started tasks with a SPACE() allocations large enough to accommodate resolving the runtime members for > 45 DB2 subsystems.

7. _OMEGAMON XE for DB2 PE/PM V4.2.0 and higher versions_: Provide System Variables support for xKD2SAM(FPEJINIT) sample REXX program to Invoke OMEGAMON XE for DB2 PE on z/OS ISPF Application.

8. _OMEGAMON XE for DB2 PE/PM V4.2.0 and higher versions_: Autodiscover the system values for the initial default of the following parameters: KD2_OMPE_TCPIP_NAME (used in TCPNAME= parameter in xKD2PAR(OMPEMSTR) and KD2_CLASSIC_MVS_SYSID (used in DB2_SYSID= parameter in xKD2PRF(DB2PROF) and xKD2PRF(CRTDB2M) so that the initial PARMGEN RTE CONFIG profile values for these parameters automatically are set-up automatically in the system where the WCONFIG(KCIJPUP1) job is submitted.

9. _OMEGAMON XE for IMS on z/OS V4.2.0 and higher versions_: Enhance xKANPARU(KOIJLF00) Journal Logging Facility (JLF) startup member to provide full-tailoring capabilities so customers are able to fully-customize the different JLF startup options that PARMGEN would preserve.

10. _OMEGAMON XE on z/OS V4.2.0 and higher versions_: Support KCIJPLOD exclude member support for xKANCLI(KEPEDSDF) Epilog CLIST. KEPEDSF is a CLIST designed to be used in conjunction with automatic EDS maintenance in Epilog.

11. _OMEGAMON XE for Mainframe Networks V4.2.0 and higher versions_: Enhance xKANSAMU(KN3UAUTH) sample job to provide additional file-tailoring/autodiscovery of the "agentproc", "systemname", and "tcpipprocname" hardcoded variables, so that these variables are file-tailored by default, in the system where the default KN3UAUTH sample is created by the PARMGEN $PARSE* job. This reduces the amount of customization steps required in the "SPECIAL CONSIDERATIONS:" and in the "NOTES:" sections of the JCL comments. A new WCONFIG(KN3$SAUT) imbed is now provided to customers to provide a user-controlled member to customize the contents of the xKANSAMU(KN3UAUTH) job. Note: Running KN3UAUTH is required to define the access for OMEGAMON XE for Mainframe Networks Agent user.

===END "_Sub-section: A. 4Q12A RFEs>>B. Application Configuration Enhancements/Updates_:"

===END "_Sub-section: A. 4Q12A RFEs_"

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Section nQyyx Enhancement (source: RFEs, PMRs, EAPs/Beta Forums):
A. PARMGEN Workflow UI framework
B. PARMGEN APPCONFIG requested by each application

PARMGEN Documentation (Master Technote) (continued)

▼ **Section: (Reference Only) Previous nQyyA/nQyyB Interim Features (IFs)**

The following Interim Features (IFs) from previous maintenance cycles are also available for reference. These PTFs below are superceded by the latest HKCI310 and HKDS623 PTFs noted in the "Enablement Support" Section of this technote. The "What's New? (GA)" Section features the latest IFs available and their contents.

Section: What's New in 3Q12A:

▶ **Section: 3Q12A Request for Enhancements (RFE)/Issues Addressed:**

===END "*Sub-section: What's New in 3Q12A* "===

Section: What's New in 2Q12B:

▶ **Section: 2Q12B RFEs/Issues Addressed by APAR OA38937 (HKCI310 PTF UA64407):**

===END "*Sub-section: What's New in 2Q12B* "===

Section: What's New in 2Q12A:

▶ **Section. 2Q12A RFEs/Issues Addressed by APARs OA39386 (HKCI310 PTF UA65042) / OA38938...**

===END "*Sub-section: What's New in 2Q12A* "===

Section: What's New in 1Q12:

▶ **Section: 1Q12 RFEs/Issues**

===END "*Sub-section: What's New in 1Q12* "===

TIP: Older IFs get moved to "Section: Previous nQyyA/nQyyB Interim Features (IFs)" so customers who are a few IFs behind GA maintenance have a quick way to review what's new in PARMGEN

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PARMGEN Documentation (Master Technote) (continued)

▼ **Section: FAQs:**

Section: FAQs: [updated]

- **FAQ Index:** The following "FAQ#nn QUESTION:" entries list the queries addressed in this section. Navigate to the
- **FAQ Details"** section below for the detailed discussion. For ease-of-use, the FAQs have been *grouped by popular search keywords that may be used and/or basic category* where an FAQ may be classified under so the FAQ#nn are not in any ascending or descending order, but rather grouped by category based on when the FAQ was logged.

Next FAQ#nn:

===

FAQ#50 QUESTION: <placeholder>

===

FAQ Index:

SEARCH KEYWORDS OR CATEGORY: MIGRATION/CONVERSION/UPGRADE/MIXED ENVIRONMENT

===

FAQ#1 QUESTION: I have 40 ICAT-created RTEs that I want to convert to PARMGEN mode. Does PARMGEN support a staged conversion so I can convert (and upgrade at the same time) each RTE one at a time?

===

[updated] **FAQ#2 QUESTION:** We are upgrading to OMEGAMON XE for DB2 to V511 (from HKDB510 FMID) after we have already upgraded our current RTEs to ITM623 (HKDS623 FMID - z/OS TEMS V623), OMEGAMON XE on z/OS V510 (HKM5510 FMID), OMEGAMON XE for CICS on z/OS V510 (HKC5510 FMID), and the new OMEGAMON Enhanced 3270 UI (HKOB700 FMID). How do I upgrade the RTE to OMEGAMON XE for DB2 V511 (HKDB511 FMID) using PARMGEN?

FAQ section has 2 sections:
including what FAQ# is next
T
1. Index: lists all the questions
I
p
2. Q&A: has the details grouped by category

PARMGEN Documentation (Master Technote) (continued)

FAQ Index:

- ✓ SEARCH KEYWORDS OR CATEGORY: MIGRATION/CONVERSION/UPGRADE/MIXED ENVIRONMENT
- ✓ SEARCH KEYWORDS OR CATEGORY: TRANSPORT/MAINTENANCE/DEPLOYMENT/CLONING
- ✓ SEARCH KEYWORDS OR CATEGORY: ADDITIONAL SYSTEM VARIABLES
- ✓ SEARCH KEYWORDS OR CATEGORY: RECREATE/REGENERATE/OVERRIDE
- ✓ SEARCH KEYWORDS OR CATEGORY: ADD/DELETE
- ✓ SEARCH KEYWORDS OR CATEGORY: PARMGEN APPCONFIG SUPPORT / PRODUCT-SPECIFIC HOW-TO'S
- ✓ SEARCH KEYWORDS OR CATEGORY: PARMGEN WCONFIG PROFILES AND KCIJP* JOBS
- ✓ SEARCH KEYWORDS OR CATEGORY: SECURITY AND GLOBALS
- ✓ SEARCH KEYWORDS OR CATEGORY: BASE RTE/SHARING RTE
- ✓ SEARCH KEYWORDS OR CATEGORY: PARMGEN GBL_USER_JCL AND ISPF PROFILES

PARMGEN Documentation (Master Technote) (continued)

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updated FAQ#5 QUESTION: In PARMGEN mode, what are the post-SMP/E maintenance steps? In ICAT, I would typically run the pp#2xxxx RTE Load job for each RTE unless there is a PTF HOLDDATA REASON(ACTION) that instructs users to customize a panel field in ICAT then "Re-register with local TEMS", or "Regenerate and resubmit 'Create runtime members' job, etc. for each product in the RTE multiplied by # of RTEs supported.

==

FAQ#6 QUESTION: Does PARMGEN support a 2-Base RTE approach so while my Base-sharing RTE is running from BASE1 libraries, I can put maintenance on BASE2 read-only libraries, then I can point to BASE2 libraries during my change control window, without having to reconfigure all the products?

==

FAQ#7 QUESTION: Our site standards for read-only libraries like a Base RTE's is to allocate them on a different VOLUME, MGMTCLAS and STORCLAS, different from unique LPAR-specific runtime libraries like my LPAR RTEs. Does PARMGEN support SMS/NONSMS values for the read-only libraries versus the unique LPAR runtime libraries?

==

FAQ#8 QUESTION: I created my first PARMGEN RTE and I have fully customized the WCONFIG members to use generic symbolics in the profiles (GBLUSR global CONFIG profile, LPAR RTE CONFIG profile) and also customized several Kpp$C*/Kpp$P*/Kpp$C* user override imbeds. Does PARMGEN process have cloning RTE Best Practices available aside from going through the normal 10-step process?

==

FAQ#9 QUESTION: How do I create, load and process my PARMGEN runtime libraries locally on LPAR1 (where LPAR2 RTE is being created for) when I intend to run this System Variables-enabled PARMGEN RTE on LPAR2? What kinds of transport scenarios are supported in PARMGEN?

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Top FAQs - a number have been moved to the PARMGEN Reference Guide

PARMGEN Documentation (Shared Publications)

❑ *Publications updated to introduce PARMGEN:*

➡ Tivoli® OMEGAMON XE Monitoring Agents on z/OS *Quick Start Guide*

➡ Tivoli® OMEGAMON XE and Tivoli Management Services on z/OS *Preinstallation Requirements and Instructions*

➡ Tivoli® OMEGAMON XE and Tivoli Management Services on z/OS *PARMGEN Reference* ⬅ Scenarios includes e3270UI PARMGEN config.

➡ Tivoli® OMEGAMON XE and Tivoli Management Services on z/OS *Common Parameter Reference* ⬅ Includes e3270UI KOB* parms.

➡ Tivoli® OMEGAMON XE and Tivoli Management Services on z/OS *Upgrade Guide*

➡ Tivoli® Management Services on z/OS *Configuring the Tivoli Enterprise Monitoring Server on z/OS*

➡ Tivoli® OMEGAMON XE and Tivoli Management Services on z/OS *Common Planning and Configuration Guide*

➡ Product-specific *Parameter Reference* guides and planning and configuration guides

Refreshed in October 2012

PARMGEN Documentation (Shared Publications)

❑ *PARMGEN Reference (Scenarios-based guide):*

PARMGEN Documentation (PARMGEN Reference)

Updated PGNnn Scenarios based on 2Q-3Q IF design

New Chapter – top FAQs from the PARMGEN technote

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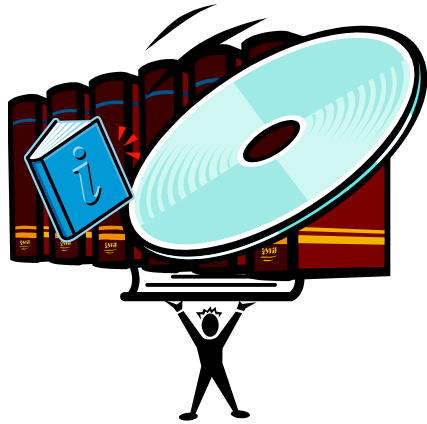
Recommended Maintenance, Wikis and Links

Recommended Maintenance, Wikis and Links

XRF PARMGEN technote

- ❑ **Additional handy OMEGAMON Enhanced 3270 User Interface (e3270UI) Technotes and Links:**

  - ➢ *"Troubleshooting no data conditions on the OMEGAMON Enhanced 3270 User Interface (e3270UI)"*: URL: http://www-01.ibm.com/support/docview.wss?uid=swg21610269 👍

  - ➢ *"Configuring OMEGAMON Enhanced 3270 User interface security"*: URL: http://www-01.ibm.com/support/docview.wss?uid=swg21606218 👍

  - ➢ *"Customizing the initial workspace and related log-on profile for the OMEGAMON enhanced 3270 user interface"*: URL: http://www-01.ibm.com/support/docview.wss?uid=swg21607391 👍

  - ➢ *"OMEGAMON Enhanced 3270 User Interface and support for OMEGAMON Agent versions prior to 5.1.0 "*: URL: http://www-01.ibm.com/support/docview.wss?uid=swg21610594

- ❑ **OMEGAMON E3270UI Security configuration**: URL: http://publib.boulder.ibm.com/infocenter/tivihelp/v15r1/topic/com.ibm.omegamon_share.doc_623fp1/zconfigcommon133.htm?path=2_1_5_2_11#enable_securitye3270ui

- ❑ **OMEGAMON e3270UI Interface Guide**: URL: http://publib.boulder.ibm.com/infocenter/tivihelp/v15r1/topic/com.ibm.omegamon_share.doc_623fp1/source/e3270/e3270_interface.htm

- ❑ **OMEGAMON e3270UI Messages**: URL: http://publib.boulder.ibm.com/infocenter/tivihelp/v15r1/topic/com.ibm.itm.doc_6.2.3fp1/itm623fp1_messages42.htm?path=3_0_6_2_6_15#dqx1messages_ovu_beacon

Recommended Maintenance, Wikis and Links

- ❑ **Additional handy planning, ordering, installation/maintenance and configuration-related technotes:**
- ➢ **Planning and Ordering**: "*Locating ITM Workspace Application Support Files for z/OS Agents* ": **URL:** **http://www-01.ibm.com/support/docview.wss?uid=swg21255545**
- ➢ **Planning and Ordering**: "*Preinstallation Requirements and Instructions* ": **URL:** **http://www-01.ibm.com/support/docview.wss?uid=swg21318692**
- ➢ **Installation**: "*Recommended Maintenance Service Levels for OMEGAMON XE products on ITM V6.x* ": **URL:** **http://www-01.ibm.com/support/docview.wss?uid=swg21290883**
- ➢ **Installation**: "*ITM Platform Maintenance Tables* ": **URL:** **http://www-01.ibm.com/support/docview.wss?rs=203&uid=swg27008514**
- ➢ **Configuration**: *Master PARMGEN technote "PARMGEN Alternative Configuration for OMEGAMON/ITM Products on z/OS* ": **URL:** **http://www-01.ibm.com/support/docview.wss?uid=swg21417935**

Recommended Maintenance, Wikis and Links

- **Tivoli Wiki Central – one can access all Tivoli product and solution wikis.**
  http://www.ibm.com/developerworks/wikis/display/tivoli/Home

- **IBM® Tivoli® Distributed Monitoring and Application Management Wiki – one can find and contribute information and scenarios about all IBM Tivoli Monitoring version 6-based distributed products. This includes IBM Tivoli Performance Analyzer and IBM Tivoli Composite Application Management products.**
  http://www.ibm.com/developerworks/wikis/display/tivolimonitoring/Home

- **IBM® Tivoli® System z® Monitoring and Application Management Wiki - one can find and contribute information and scenarios about Tivoli System z monitoring and application management products**
  http://www.ibm.com/developerworks/wikis/display/tivoliomegamon/Home

- **IBM® Tivoli® Media Gallery – one can access videos, tutorials and demos for Tivoli products.**
  http://www.ibm.com/developerworks/wikis/display/tivolimediagallery/Home

- **IBM® Tivoli® Documentation Central - your portal to documentation for all Tivoli products. Tivoli Documentation Central includes links to product information centers.** http://www.ibm.com/developerworks/wikis/display/tivolidoccentral/Home

- **Combined ITM/OMEGAMON Infocenter:**
  http://publib.boulder.ibm.com/infocenter/tivihelp/v15r1

- **RSU*mmyy* link where for each RSU and PUT text file may be found (find the PTFs included in an RSU package by selecting the link below:)**
  ftp://service.boulder.ibm.com/s390/assigns/

Learn more about IBM's entire Tivoli System z portfolio at upcoming Pulse Conference

Register at:

http://www-01.ibm.com/software/tivoli/pulse/

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Turkish

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Tack så mycket
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Brazilian Portuguese

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Gaelic

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Simplified Chinese

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Hvala
Croatian

ありがとうございました
Japanese

Dank u
Dutch

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Dekuji eme Vam
Czech

Xie xie

Questions and/or Feedback: ☎⌨ *Cecile Day*

(dayce@us.ibm.com)

RTE ...MGEN Scenarios

*** Live Demonstration ***

PARMGEN Workflow User Interface – Sample Scenarios

PARMGEN Scenarios Previously Covered

- **PARMGEN Scenario #1: Pristine Install (RTE=TESTSYSA):** Create a new PARMGEN RTE in test LPAR SYSA. RTE shares with a Base RTE BASEA with System Variables enabled with a z/OS Remote TEMS @ ITM623, OMEGAMON XE on z/OS and OMEGAMON XE for CICS on z/OS.

PARMGEN Scenario #2: Clone (RTE=TESTSYSB): Clone PARMGEN TESTSYSA RTE (runs on SYSA LPAR) to run on another LPAR (new PARMGEN TESTSYSB RTE to run on SYSB LPAR).

PARMGEN Scenario #3: Convert/Upgrade (RTE=TESTSYSC): Convert an ICAT RTE to PARMGEN. Upgrade the z/OS Remote TEMS (from pre-V623 to V623) and OMEGAMON XE on z/OS and OMEGAMON XE for CICS on z/OS monitoring agents (from V420 to V510) via an ICAT-to-PARMGEN RTE conversion upgrade path. TESTSYSC RTE shares with SMP/E target libraries.

Detailed presentation attached in PARMGEN technote

PARMGEN Scenarios Previously Covered (continued)

Presentations and Upcoming Training Sessions:

1. *Support Technical Exchange (STE):*

Title	Good news for maintenance windows - install, configure and upgrade OMEGAMON/ITM suite faster using JOBGEN/PARMGEN
Course number	20121001102132516
Instructor	Cecile Day
Date	11/16/2012 @ 10:00 a.m. - 1:00 p.m. ET (US) *** Reserve the date ***
Description	This Support Technical Exchange (STE) session plans to cover the following topics:

1. What is new with PARMGEN and OMEGAMON XE V510s in 2012
2. What will be in PARMGEN 4Q12 Interim Feature (IF)?
3. What will be in PARMGEN 1Q13 Interim Feature (IF)?
4. Demonstrate key RTE implementation scenarios covered in the 4Q12 refresh of the PARMGEN Reference Guide

Note: This 3-hour recorded STE will be a live mainframe demonstration for the majority of the time to allow for a more interactive session with the audience.

Course link	**Enrollment URL:** http://www.ibm.com/support/docview.wss?uid=swq27036544&myns=swqtiv&mynp=OCSSZJDU&mync=E

2. IBM Software for System z Events: *February 23, 2012 PARMGEN Phase 2 teleconference:* "*Good news for maintenance windows - Install and configure OMEGAMON faster*"

>> Broadcast Date: February 23, 2012 at 11:00 a.m. - 12:00 p.m. ET (US)

>> To obtain **playback recording and materials** ==> http://www-01.ibm.com/software/os/systemz/webcast/sysmgmt/series/

>> **Full version** of the presentation materials (*2/23/2012 webcast presentation covered a portion of the full version*) ==>

IBM® System z® Software Teleconference - February 23 2012 PARMGEN Phase 2.ppt **<-- based on 1Q12 PARMGEN design**

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Detailed presentation attached in PARMGEN technote

PARMGEN Scenarios For Today's Support Tech. Exchange

PARMGEN Scenario #1: Basic conversion/upgrade in place (RTE=DEMOMVS): Convert an ICAT RTE to PARMGEN. Upgrade a number of the OMEGAMON XE monitoring agents to the 2012 versions that GA'd in 3Q12/4Q12 (I5510, MC710, MQ710, QI710, S3510, and N3510).

- The z/OS Hub TEMS is already @ ITM623.
- OMXE for CICS (C5510), CICS TG (GW510), z/OS (M5510), and DB2 (DB511) are already upgraded @ 1Q12.
- OMEGAMON Enhanced 3270 User Interface (e3270UI) is already configured as part of the 1Q12 upgrade.
- Other products such as System Automation (KAH), NetView EMA (KNA), TDS (KDO), ITCAM for SOA (KD4)/Application Diagnostics (KYN), Rocket (KR*) TEP-enabled Agents are also configured in the DEMOMVS RTE @ their current versions.
- DEMOMVS RTE is a Full RTE; same RTE runtime libraries will be upgraded in place (no change in HLQ of "***TSTEST.CANDLET.XEGA.DEMOMVS***").

PARMGEN Scenarios For Today's Support Tech. Exchange

PARMGEN Scenario #2: More complex conversion/upgrade (RTE=ESYSMVS): Convert an ICAT RTE to PARMGEN. Upgrade the OMEGAMON Agents from the GA-1 versions (V420) to the 2012 GA versions.

- The z/OS Hub TEMS is already @ ITM623 but Self Describing Agent is not yet enabled.
- New component OMEGAMON Enhanced 3270 User Interface (e3270UI) is not yet configured.
- Other non-OMEGAMON family of products are also configured in the ESYSMVS RTE @ their current versions.
- ESYSMVS RTE is a Full RTE; new set of RTE Non-VSAM and VSAM runtime libraries will be used (not upgrade in place). GA-1 HLQ of "***CCAPI.CANDLET.XEGA.ESYSMVS***" will be changed to "***TSTEST.CANDLET.XEGA.ESYSMVS***").
- System Variables will be enabled.
- Several manual parameters and members added outside ICAT needs to be preserved.

PARMGEN Scenarios For Today's Support Tech. Exchange

PARMGEN Scenario #2: More complex conversion/upgrade (RTE=ESYSMVS): Convert an ICAT RTE to PARMGEN. Upgrade the OMEGAMON Agents from the GA-1 versions (V420) to the 2012 GA versions. (*continued*)

– **SYSTPCD DD needs to be enabled in all TEMS and Agent STCs. **Tip**:See GBL_DSN_TCP_SYSTCPD_TCPDATA, KAG_X_STC_SYSTCPD_INCLUDE_FLAG, KDS_X_STC_SYSTCPD_INCLUDE_FLAG parameters.**

– **KGL_COMMAND_AUTHOR_SECURITY_REQUIRED=Y manual customizations must be preserved in all TEMS and Agent RKANPARU(KppENV). **Tip**: See WCONFIG(KAG$PENV) override imbed.**

– **All LIMIT() and RESERVE() manual customizations for Classic/Agents must be preserved in RKANPARU. **Tip**: See WCONFIG(ESYSMVS) Kpp_X_* LIMIT/RESERVE parameters.**

– **OMXE for CICS Classic USER, LROWS, TIPS manual customizations must be preserved in RKANPARU(KOCVTM*) and KC2IPA* members. **Tip**: See KC2_X_* USER/LROWS/TIPS parameters.**

– **OMXE for Mainframe Networks OSNMPD, port and community name manual customizations must be preserved in RKANSAMU(KONSNMP/KN3SNMP). **Tip**: See WCONFIG(KN3$SNMP) override imbed.**

– **OMXE for Mainframe Networks KN3UAUTH RDEFINE/PERMIT manual customizations must be preserved in RKANSAMU(KN3UAUTH). **Tip**: See WCONFIG(KN3$SAUT) override imbed.**

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- **PARMGEN Scenario #2: More complex conversion/upgrade (RTE=ESYSMVS):** Convert an ICAT RTE to PARMGEN. Upgrade the OMEGAMON Agents from the GA-1 versions (V420) to the 2012 GA versions. (*continued*)
  - OMXE on z/OS STCINT(ON), INTERVAL(60) manual customizations must be preserved in RKANPARU(KEPOPTN) Epilog and RKANPARU(KOSDEVIN). **Tip**: See WCONFIG(KEP$POPT) and WCONFIG(ESYSMVS) KM5_X_KOSDEVIN_* parameters.
  - OMXE for DB2 XCFMODE=ACTIVE, DB2RTCPU=NO, DB2REMIO=NO, ASCBCHAP=INACTIVE, MGSUBSYS=INACTIVE, and CICSCORR=NO manual customizations must be preserved in RKD2PAR(OMPEOPTS). **Tip**: See WCONFIG(KD2$POP1) override imbed.
  - OMXE for IMS Journal Logging Facility MAXCSODS:16, VSAMPRIA:100 and VSAMSHRO:(2,3) manual customizations must be preserved in RKANPARU(KOIJLF00). **Tip**: See WCONFIG(KOI$PJLF) override imbed.
  - OMXE for Messaging manual customizations for SET SUBSYSTEM NAME(KMQD) and BUFFERSIZE(250) must be preserved in RKANCMDU(KMQUSER). **Tip**: See WCONFIG(KMQ$CUSR) override imbed.
  - Exploit the KOB_* security parameters for OMEGAMON e3270UI Tivoli OMEGAMON Manager. **Tip**: See WCONFIG(KOB$PENV) override imbed.
  - Exploit KDE_TRANSPORT POOL and EPHEMERAL options in TEMS and all Agents. **Tip**: See WCONFIG(ESYSMVS) KAG_X_KDE_TRANSPORT_* and KDS_X_KDE_TRANSPORT_* parameters.

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PARMGEN Scenario #2: More complex conversion/upgrade (RTE=ESYSMVS): Convert an ICAT RTE to PARMGEN. Upgrade the OMEGAMON Agents from the GA-1 versions (V420) to the 2012 GA versions. (*continued*)

- **OMXE for DB2 and OMXE for Storage special jobcard customizations must be preserved in RKD2SAM(ALLOCDS), RKD2SAM(CANSPWH), RKD2SAM(KD2JBCRD), RKD2SAM(KO2PARM), and RKANPARU(KS3JCARD). **Tip**: See WCONFIG(GBLUSR) GBL_JOBCARD_LINEn_* parameters.**

FAQs and Best Practices

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- **Set ISPF CUAATTR "Scroll Information" for 24X80 MOD screens so scrollable help indicator is more visible. See PARMGEN on-line help for more information. Also, turn PFSHOW OFF when you are in PARMGEN mode.**
- **When performing a more complex conversion/upgrade (RTE=ESYSMVS) from an ICAT RTE to PARMGEN, modify the RTE HLQs in the ICAT Batch INSTJOBS(&rte) prior to starting the PARMGEN conversion.**
- **Use a common GBL_USER_JCL for the multiple RTEs in a given Sysplex so you have an inventory of all your RTEs.**
- **In an ICAT->PARMGEN conversion, PARMGEN carries forward comments from the original ICAT Batch INSTJOBS(&rte) member. To get the more up-to-date "*Related CONFIG parameters*" for any applicable WCONFIG RTE and/or $GBL* global profiles, always reference the CFGIBM and GBLIBM IBM-supplied profiles.**
- **Consider using a user CONFIG profile WCONFIG(DB2MODEL) for imbedding into the WCONFIG($SYSIN) and share across multiple RTEs.**
- **Use the library-specific $PARSE* jobs when regenerating only a subset of the runtime members.**
- **Remember to rerun the KCIJVUPV job after a $PARSESV, or $PARSEPR, or $PARSESM rerun when reconfiguring a subset of the runtime members. In 1Q, this will be automated.**

FAQs and Best Practices (continued)

- **When configuration defaults change (for example, Agent's Kpp_AGT_STORAGE_MINIMUM_EXTEND CONFIG parameter which becomes the MINIMUM(% Kpp_AGT_STORAGE_MINIMUM_EXTEND%,X) storage parameter or the Kpp_X_AGT_STORAGE_LIMIT_EXTEND which becomes the LIMIT(%Kpp_X_AGT_STORAGE_LIMIT_EXTEND%,X) storage parameter in xKANPARU(KppSYSIN), after rerunning WCONFIG(KCIJPUP1) IBM profile refresh job, then compare your user RTE LPAR profile with WCONFIG(CFGIBM) IBM-supplied LPAR profile so you can see what are the latest values of product parameters. LPAR profile is preserved by the KCIJPUP1 job. For SDA, a few of the products increased their storage settings:**

```
I – KC5_AGT_STORAGE_MINIMUM_EXTEND      384000
D – KC5_AGT_STORAGE_MINIMUM_EXTEND      256000
I – KI5_AGT_STORAGE_MINIMUM_EXTEND      300000
D – KI5_AGT_STORAGE_MINIMUM_EXTEND      256000
I – KN3_AGT_STORAGE_MINIMUM_EXTEND      768000
D – KN3_AGT_STORAGE_MINIMUM_EXTEND      256000
I – KC5_X_AGT_STORAGE_LIMIT_EXTEND      23
D – KC5_X_AGT_STORAGE_LIMIT_EXTEND      22
I – KN3_X_AGT_STORAGE_LIMIT_EXTEND      23
D – KN3_X_AGT_STORAGE_LIMIT_EXTEND      22
```

FAQs and Best Practices (continued)

⊘ **When cloning an RTE that has OMEGAMON XE on z/OS configured and the first RTE cloned from is already the KM5_SYSPLEX_PROXY_POSITION=PRIMARY (Primary Sysplex Proxy TEMS), ensure that the cloned RTE's KM5_SYSPLEX_PROXY_POSITION is set to "BACKUP" so the PARMGEN KCIJPALO allocation job does not try to allocate the Sysplex-related Persistent Datastore files for the Backup Proxy TEMS (or all the RKM5* PDS history datasets are left allocated but not initialized – internal KPD* code enhancement open to address this).**

Trugarez
Breton

Merci
French

நன்றி
Tamil

Gracias
Spanish

Salamat po
Tagalog
Philippines

شكراً
Arabic

감사합니다
Korean

תודה
Hebrew

धन्यवाद
Hindi

多謝
Traditional Chinese

Tack så mycket
Swedish

Teşekkürler
Turkish

Obrigado
Brazilian Portuguese

go raibh maith agat
Gaelic

Ευχαριστώ
Greek

Grazie
Italian

Dankon
Esperanto

多谢
Simplified Chinese

Tak
Danish

Danke
German

Hvala
Croatian

ありがとうございました
Japanese

Dank u
Dutch

ขอบคุณ
Thai

Terima Kasih
Malaysian

Thank You
English

Dekuji eme Vam
Czech

Xie xie
Mandarin

Diakuiu
Ukraine

Questions and/or Feedback: ☎⌨ ***Cecile Day***

(dayce@us.ibm.com)