

Support Technical Exchange: TPAE Data Dictionary – Part 2

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Introduction

Abstract:

This session will explain the functions of the additional tables of the Tivoli Processing Automation Engine data dictionary.

Objective: Understand the tables

- MAXSERVICE, MAXAPPS, MAXSEQUENCE
- MAXVARTYPE, MAXVARS, MAXMESSAGES,
- MAXMODULES, and MAXLOOKUPMAP

Additional Data Dictionary Tables

- MAXSERVICE
- MAXMODULES, MAXAPPS
- MAXLOOKUPMAP
- MAXSEQUENCE
- MAXVARTYPE, MAXVARS
- MAXMESSAGES

Common Attributes

- DESCRIPTION – Description of the item in this record.
- TablenameID or tablenameUID – Unique integer key.

MAXSERVICE

- Application Service definitions
- Control flags for services

MAXSERVICE Attributes

- **SERVICENAME** – The name (WORKORDER, SR)
- **CLASSNAME** – The Java class for this service
- **INTERNAL** – Flag. If 1, ACTIVE flag cannot be set to 0.
- **ACTIVE** – Flag. If 1, the service will be started.
- **INITORDER** – Order in which services are started. Custom written services must have a value of 1000 or higher.

MAXMODULES and MAXAPPS

- MAXMODULES – Logical grouping names for applications
- MAXAPPS – Application definitions
 - Application name
 - MBO set
 - Mobile application restrictions

MAXMODULES Attributes

MODULE – Name of the module (WO, SD, PURCHASE)

Used in the MAXMENU.MODULETYPE attribute to group applications into modules for the Go To menu.

MAXAPPS Attributes - 1

- APP – Application name (example: WOTRACK, SR)
- MAINTBNAME – Main object (table) name.
- ORDERBY – ORDER BY clause for the application
- ORIGINALAPP – Original app name if a clone
- CUSTOMAPP – Not used.
- REPORTOBJECT – Report Object Structure (ad hoc reports)
- RESTRICTIONS – Application level restrictions

MAXAPPS Attributes - 2

- RUNTYPE – RUN for standard UI, MOB for mobile app
- ISMOBILE – Set to 1 if application is for mobile devices.
- FORMFACTOR – PDA or PHONE – format for mobile app.
- REFRESHDATA – Frequency to refresh mobile app data

MAXLOOKUPMAP

- Lookup definitions (Fetching a value from another table).
- Used when there is no Field Validation Class and no unique same-as relationship between target and source attributes.

MAXLOOKUPMAP Attributes

- TARGET – The object whose attributes will be populated
- TARGETATTR – The attribute to be populated
- SOURCE – The object providing the values
- LOOKUPATTR – The attribute providing the value
- SOURCEKEY – The key data attribute for the SOURCE object.
- ALLOWNULL – If 1, null value is permitted.
- SEQNUM – Multiple attributes will be set in this order.

MAXSEQUENCE

- Sequence definitions
- Sequence name for Oracle and DB2
- Value generation on SQL Server only

MAXSEQUENCE Attributes

- SEQUENCENAME – Name of sequence
- TBNAME, NAME – Table and column names
- MAXRESERVED – Highest value reserved
- RANGE – High end of range (in 100,000s)
- MAXVALUE – Highest value used within RANGE

MAXRESERVED, RANGE and MAXVALUE are only used with SQL Server.

QUESTIONS?

MAXVARTYPE and MAXVARS

- MAXVARTYPE – Variable definitions
- MAXVARS – Values of variables

You must create a MAXVARTYPE record in order to add a custom variable to MAXVARS.

MAXVARTYPE Attributes

- VARNAME – Variable name
- VARTYPE – Type: SYSTEM, ORG, or SITE
- DEFAULTVALUE – Value to use if no entry in MAXVARS

MAXVARS Attributes

- VARNAME – Name of variable
- ORGID – ORG level value or null
- SITEID – SITE level value or null
- VARVALUE – Value of variable

MAXMESSAGES

- Message information
- Dialog controls

MAXMESSAGES Attributes - 1

- MSGID – Tivoli standard message identifier – BMXAA1234E
- MSGGROUP, MSGKEY – Exception group and key values.
(You sometimes see msggroup#msgkey)
- VALUE – The message text
- EXPLANATION – more details
- OPERATORRESPONSE – Possible user response to message.
- ADMINRESPONSE – Possible system admin response.

MAXMESSAGES Attributes - 2

- **BUTTONTEXT** - Overrides standard button text (OK)
- **DISPLAYMETHOD** - Display method of the message (MSGBOX, STATUS, TEXT)
- **OPTIONS** - Logical ORing of options for icons and buttons
- **PREFIX** - Boolean field to indicate whether the end user will see the MSGID. Default to 1.
- **TITLE** - Title for the dialog box

MAXMESSAGES OPTIONS Values

- 1 close (button)
- 2 ok (button)
- 4 cancel (button)
- 8 yes (button)
- 16 no (button)
- 32 warning (icon)
- 64 stop (icon)
- 128 exclamation (icon)

QUESTIONS?