


# CA Ideal Tips and Tricks

**Webcast for CADRE**  
December 14<sup>th</sup> 2010



**abstract**

This webcast provides details about implementing CA Ideal features that were new with 11.0, as well as giving some general best practice recommendations.



## agenda

- accessing multiple Datacom/DB MUFs from batch
- using Datacom/DB partitioned tables
- using multiple languages in batch
- using \$functions new in 11.0
- change management
- IF...THEN...ELSE...otherwise
- RELEASE PROGRAM
- DIAL/DEBG for web
- VLS security



## accessing multiple MUFs in batch

- new URTs
  - VPE checks for Global URT (SIDNAME used)
  - VPE sets MUFS=YES, RRS=YES
  - VPE notifies \$DBC FUNC=OPEN caller
- affects DB2 in mixed environments
- requires VPE 11.0 for z/OS batch
  - new path for \$DBC
  - 2-phase COMMIT process available
  - if VPE has turned on RRS, CA Ideal uses it



## URT for multiple MUFs

```
URT      TITLE 'QA TEST'

DBURSTR TXNUNDO=YES,MULTUSE=YES,SIDNAME=SIDA11QA

DBURTLB DBID=010,TBLNAM=CUS,UPDATE=YES,SYNONYM=YES

DBURSTR TXNUNDO=YES,MULTUSE=YES,SIDNAME=SIDA11DV

DBURTLB DBID=018,TBLNAM=CUS,UPDATE=YES,SYNONYM=YES

DBUREND  SYSTEM=OS

END
```

- VPE provides the equivalent of DBURINF



## URT for multiple MUFs

- access multiple instances of the same DB

```
URT      TITLE 'QA R11 TEST'

DBURSTR  TXNUNDO=YES,MULTUSE=YES,SIDNAME=SIDA11QA

DBURTLB  DBID=010,TBLNAM=CUS,UPDATE=YES,SYNONYM=YES

DBURSTR  TXNUNDO=YES,MULTUSE=YES,SIDNAME=SIDA11DV

DBURTLB  DBIDUSER=910,DBIDMUF=10,TBLNAM=CUS,UPDATE=YES,SYNONYM=YES

DBUREND  SYSTEM=OS

END
```

- ASSIGN DVW CUSTOMER DBID 910

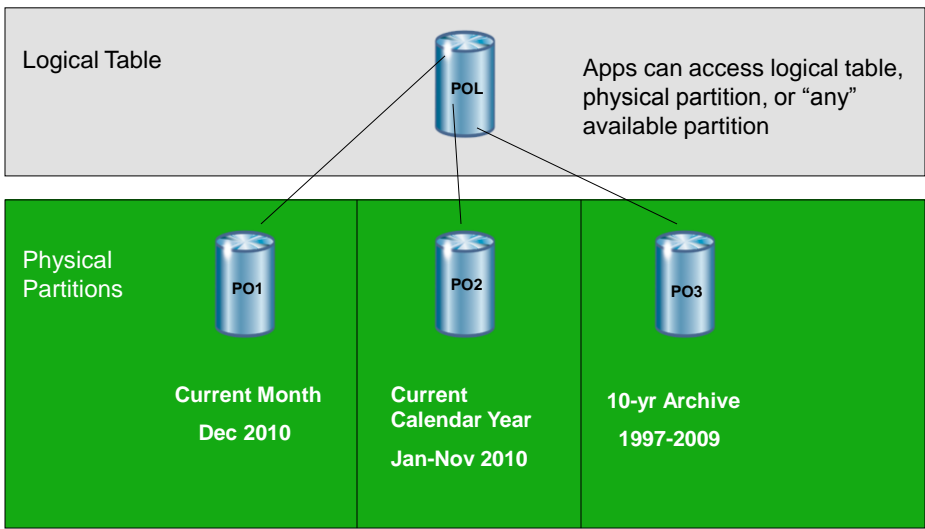


**PARM='IDENTIFY'**

- allows non-Ideal subprograms to use the EP 'DBNTRY' in VPE instead of the one in their own URT
- no separate URT for subprogram
- must include all tables in shared URT
- URT will be opened by VPE – 1st access from CA Ideal
- non-Ideal subprogram
  - must NOT make OPEN/CLOSE calls
  - not linked with URT
  - AMODE(31) – because DBNTRY is above the line.



**case study: table partitioning**



## Table Partitioning

- unique CA Ideal feature
  - RUN **existing** apps against a partition
  - RUN **existing** apps against "ANY" set
- ASSIGN syntax
  - ASSIGN DVW xxxxxxxx TABLE yyy
    - command as above
    - statement needs quotes around literal value, can use fieldname (e.g. run parameter)
- URT implications
  - new table id must match URT value



## \$functions

- \$APPL-ID
- \$HOST-ID
  - may have same value as \$USER-NAME or \$USER-ID
  - may only match an ALIAS
- \$PROGRAM / \$SYSTEM / \$VERSION
- \$UPCASE
  - uses PMS translate table
- \$DATE ( 'ISOWEEK', ... )



## Change Managers

- e.g CA Endeavor
- DSF "utilities" to check STATUS, COPY-VERSION etc.
  - could be written in Ideal
- make sure @IIDSYSF is linked as 'REUS'
- be careful with panels
  - may need to promote with programs
  - do not move source and object
- PROD and VERSION
  - may mean different things to CM product



## IF...THEN...ELSE...otherwise...

```
IF YEAR < 80
  SET CENTURY = 20
ELSE
  SET CENTURY = 19
ENDIF

— What if YEAR is missing (null)? Better to code as SELECT

SELECT YEAR
WHEN NULL
  SET CENTURY = 0 : (or NULL as applicable)
WHEN LT 80
  SET CENTURY = 20
WHEN GE 80
  SET CENTURY = 19
...
```



## always/never

- ALWAYS -  
release a program after calling it to minimize memory use
- NEVER -  
release a program after calling it, because you will cause extra I/O to reload it if you call it again



## Web DIAL and DEBG transactions

- modify usual URL by inserting two extra "path nodes" at the beginning  
/DIAL/dialcodes/...  
or  
/DEBG/member/...
- "... " is the rest of your usual URL, e.g. IDW3/DEMOMENU
- TCIPService must use the IDLWBAD3 urm which sends these to SC00WBDD instead of SC00WBTD



## VLS security

- protect VLS libraries from non-VLS-aware programs  
TSS PERMIT(acids) DSN(vlsfile.dsname) -  
PRIVPGM(IDBATCH IDUTSTRN IDUTOTRN IDUTILTY VLSUTIL) -  
LIB(ideal.loadlib.dsname) ACCESS(UPDATE)
- similar functionality in ACF2 and RACF.
- prevents library corruption
- use is authorized through accessing program

**Update:** *Please note that the CA Ideal 14.0 beta program has ended.  
CA Ideal 14.0 and CA IPC 14.0 are planned for General Availability in May 2011.*



Thank you





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