



The slide features a green background with a grid of small white plus signs. A dark blue rectangle in the upper left contains the title "CA Ideal Tips and Tricks" in white. Below the title, in a smaller white font, is "Webcast for CADRE" and "December 14th 2010". In the bottom right corner, there is a white square containing the CA Technologies logo, which consists of the letters "ca" in blue and green, with the word "technologies" in a smaller blue font below it.

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
         DBURTBL DBID=010, TBLNAM=CUS, UPDATE=YES, SYNONYM=YES
         DBURSTR TXNUNDO=YES, MULTUSE=YES, SIDNAME=SIDA11DV
         DBURTBL 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
         DBURTBL DBID=010, TBLNAM=CUS, UPDATE=YES, SYNONYM=YES
         DBURSTR TXNUNDO=YES, MULTUSE=YES, SIDNAME=SIDA11DV
         DBURTBL 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

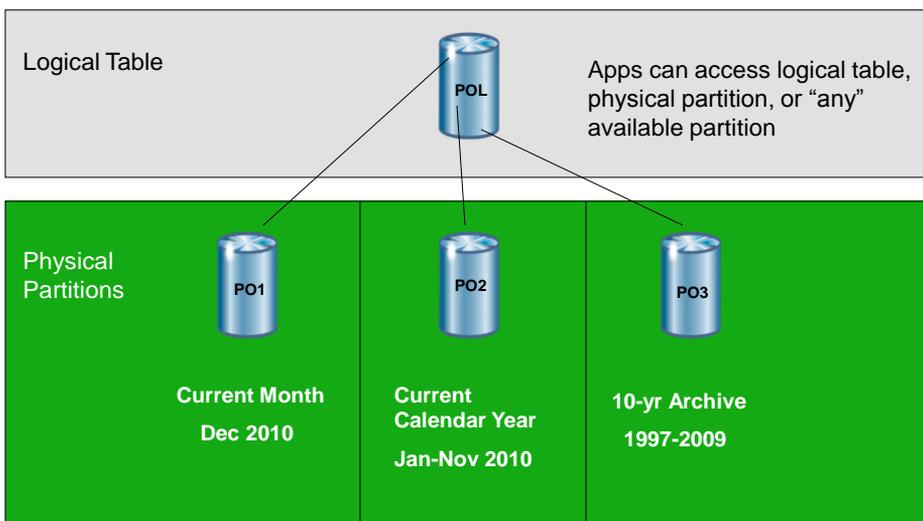


Table Partitioning

- 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', ...)

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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
- TCPIPService 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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