

CA Communities Webcast

# Now Available for Immediate Download! Learn What's New with CA 1® Version 14.0

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# CA 1 Version 14.0

- Reduction of CSA usage
  - A further 40% reduction in CSA by moving more modules to ECSA
  - Will require any USER-WRITTEN code (exits or stand-alone modules) that use the TMMDATE macro must be re-assembled with the 14.0 macro (once re-assembled, it is downward compatible with 12.6 or earlier levels of CA 1)
- Advantages:
  - Below the line CSA is further reduced
  - Allows for application programs to have large private areas below the line

# CA 1 Version 14.0

- Documentation moved to DocOps with blog based formatting
  - Allows for public access to all sections except Programming
  - More direct links from one section to another
  - Change all references from “password” to “security profile”
- Advantages:
  - It gets updated when the you need it, not just via release.
  - Its searchable! Easier to find content and information.
  - You can access videos on the doc itself and you don’t have to go hunting through YouTube or Communities.

# CA 1 Version 14.0 - PASSPHRASE

- PASSPHRASE Support

- Used when SECWTO is set to YES (STRONGLY recommended)

\*16 I EFTMS32 - ENTER USERID AUTHORIZED TO RUN TMSINIT OR REPLY 'CANCEL'

R 16, WITRU02

IEE600I REPLY TO 16 IS; WITRU02

\*17 I EFTMS22 - ENTER PASSWORD FOR WITRU02 OR REPLY 'CANCEL'

R 17 SUPPRESSED

- Advantages:

- Allows for clients to upgrade from simple passwords to more complex passphrase without impacting CA 1

## CA 1 Version 14.0 – PASSPHRASE (cont.)

### ■ PASSPHRASE Support

- Many types of pass-phrase restrictions based on your external security product
- If the reply to IEFTMS22 is less than 9 characters, it is a PASSWORD if the reply is more than 9 characters it is a passphrase
- Usually requires quotes, especially with blanks and special characters

## CA 1 Version 14.0 – Status Display

- New TMS operator command

- A simple command of “TMS STATUS” or simply TMS

TMS

TMS0200I CA 1 14.0 IS ACTIVE

CA 1 OSI TMSOCE22 IS INSTALLED

TAPE TRACKING AND PROTECTION IS ACTIVE

- INACTIVE, BATCH-ACTIVE or “NOT YET FULLY INITIALIZED”

- Advantages:

- Any operator or auto-ops product can validate the status of CA 1 at anytime with a single simple command

## CA 1 Version 14.0 – Status Display (cont.)

```
WITRU02 00000290 TMS STATUS
TSU06680 00000090 TMS0200I CA 1 IS NOT YET FULLY INITIALIZED 474
      474 00000090          TAPE TRACKING AND PROTECTION IS NOT ACTIVE
WITRU02 00000290 S TMSINIT
```

```
WITRU02 00000290 TMS STATUS
TSU06680 00000090 TMS0200I CA 1 14.0 IS BATCH-ACTIVE 549
      549 00000090          TAPE TRACKING AND PROTECTION IS NOT ACTIVE
```

```
WITRU02 00000290 TMS STATUS
TSU06403 00000090 TMS0200I CA 1 14.0 IS ACTIVE 934
      934 00000090          CA 1 OSI TMSOCE22 IS INSTALLED
      934 00000090          TAPE TRACKING AND PROTECTION IS ACTIVE
```

## CA 1 Version 14.0 – New RPGDG Option

- New Option - RPGDG

- Will act the same as RP but will only apply to GDG's.
- It will default to the same value as RP if not specified.
- An example would be;

RP	005
RPGDG	CATALOG

- Advantages:

- Allows for easier assignment of default retention based on the type of file being created
- Easy way to set all GDG's to have a default of CATALOG as their retention



## CA 1 Version 14.0 – New EXPDT/RETPD security option

- New Option – EXPSECA and EXPSECV
  - EXPSECA (Expiration Security Action) – values are NONE, WARN and ABEND
  - Determines if an external security call (similar to BLPRES and BLPNORES) should be made for use of high-value RETPD or EXPDT values (including EXPDT=99365)
- Advantages:
  - Allows for a way to control the usage of PERMANENT via JCL keyword through security rules

## CA 1 Version 14.0 – New EXPDT/RETPD security option (cont.)

- If EXPSECA is NONE, then EXPSECV is ignored.
- If EXPSECV=3650, (and EXPSECA is WARN or ABEND) – a security call will be made whenever a file is created with an EXPDT/RETPD more than 10-years in the future of 99365.
- No security call for LDATE, CYCLE or CATALOG control files

```
*TMS001  IEF233A M 0E6F,PRIVAT,SL,WITRU01A,STEP1,WITRU01.TEST.ACCT.FILE1
*IEF233A M 0E6F,PRIVAT,SL,WITRU01A,STEP1,WITRU01.TEST.ACCT.FILE1
TSS7250E 151 J=WITRU01A A=WITRU02 TYPE=CATAPE RESOURCE=EXPSEC
TSS7257E Unauthorized Access Level for CATAPE <EXPSEC>
CAL0C0SF 08 151 WITRU02 /CTSTAPER/EXPSEC  TSS7257E Unauthorized Access
Level for CATAPE <EXPSEC>
IEFTMS39W - NOT AUTHORIZED TO CREATE TAPE FILES WITH HIGH RETENTION OR
99365
IEFTMS39I - SPECIFIED VALUE OF 03/18/2026 MUST BE LESS THAN THE EXPSECV
VALUE OF 03/13/2026
IECTMS9 0E6F,002013,WITRU01A,OU01SL1 ,03/18/2026,00001,1.TEST.ACCT.FILE1
```

## CA 1 Version 14.0 – Current TMOKEYxx member

KWORD=PGMRNAME	← Keyword name (required)
OFFSET=00	← Offset from the beginning (required)
LENGTH=20	← Length of the field (required)
<u>XCOR=21</u>	← Used only by TSOTIQ (strictly optional)
<u>YCOR=02</u>	← Used only by TSOTIQ (strictly optional)
<u>FLAG=MUL</u>	← If a multi-volume file, updates are propagated

## CA 1 Version 14.0 – New TMOKEYxx member

KWORD=CUSER    ← Keyword name (required)

FROM=predefined values (optional)

DELIMITER=(xxx)    ← Optional characters preceding the field

OFFSET=28    ← (optional) Start where the last field ended

LENGTH=8    ← Default of the length of the predefined value

XCOR=21    ← Used only by TSOTIQ (strictly optional)

YCOR=02    ← Used only by TSOTIQ (strictly optional)

FLAG=MUL    ← If a multi-volume file, updates are propagated

### ■ Advantages:

- Allows for utilization of the 50-byte USER-AREA without the need for assembler exits

## Pre-Defined Keywords (all default to FLAG=MUL)

- Accounting(x) (Length required, (x) indicates sub-parm of the accounting field)
- Programmer (from JOBCARD, Length will be required)
- CSMFID (Creating SMF ID, Default length 4)
- *CSYSNME* (Creating SYSNAME, Default length of 8)
- CSYSPLEX (Default length of 8)
- CJOB# (Default length of 8, J1234567 or S1234567)
- DATACLAS (Default length of 8)
- STORCLAS (Default length of 8)
- STORGRP (Default length of 8)
- CUSERID (Security UserID, Default length of 8)
- CSGRP (Security-Group-ID, Default length of 8)
- PROCSTEP (Proc-Step Name, Default length of 8)

## New TMOKEYxx Example

<b>KEYWORD</b> =PGMRNAM	← Keyword name
FROM=PROGRAMMER	
DELIMITER=(PGM=)	← PGM= will proceed the name
LENGTH=10	← Length of the field
<b>KEYWORD</b> =ACCTCOD	← starting at offset 15 by default
FROM=ACCOUNTING(2)+3	← copy starting at the third character
DELIMITER=(,ACT=)	← 5 characters in front of the field
LENGTH=8	← for a length of 8
<b>KEYWORD</b> =CUSER	← starting at offset 28 by default
DELIMITER=(,USR=)	← 5 characters in front of the field
FROM=USERID,LENGTH=7	← length of 7 will be used
<b>KEYWORD</b> =CLPAR	← starting at offset 40 by default
DELIMITER=(,LPR=)	← 5 characters in front of the field
FROM=SMFID	← default length of 4 will be used

## Results of the previous definition

```
//TMSXTEND JOB (40100000, 12ABCDEF GH, WHYNOT),  
//          ' R-WI TT' , CLASS=A, MSGCLASS=A
```

```
123456789+123456789+123456789+123456789+12345678  
PGM=R-WI TT          , ACT=ABCDEF GH, USR=WI TRU02, LPR=XE90
```

### ■ Advantages:

- Easy way to chose what is stored based on what is important to each unique site
- No assembler exits are required, may eliminate EXIT-J and possibly EXIT-C

## CA 1 Version 14.0 – On-demand replication

- Operates as a new CTS subtask.
- Two new task's are added to the CTSSTART, but the START command is commented out:

```
SET TASK(RMST) PGM(TMSRMST) RETRY(0)
```

```
SET TASK(RCOM) PGM(CTSRCOM) RETRY(0)
```

```
/* START RMST
```

- Advantages:
  - Allows for a way to have a copy of another active TMC kept on a separate active LPAR or SYSPLEX
  - Can be used for reporting or online displays via CA Vantage/GMI



## Major Enhancements – CA 1 TMC Replication (cont.)

- There is also a new member in CTAPOPTN called REPLICAT – no option regarding its name.
- Used to define the CA 1 TAPEPLEX's that are part of a larger company.

```
TAPEPLEX NAME(PLEXA)  
          LPAR(SYP1)  
          TMC(CAI . PLEXA. TMC)
```

```
TAPEPLEX NAME(PLEXB)  
          LPAR(PRD2)  
          TMC(CAI . TMC)
```

```
TAPEPLEX NAME(PLEXC)  
          LPAR(MSY1)  
          TMC(SYS2. PROD. TMC)
```

## Major Enhancements – CA 1 TMC Replication (cont.)

- If used, the CTS address space will need to have a DD statement for each copy it will be maintaining.
- For example, using the previous control statements the CTS address space running on PLEXB would require the following 2 DD statements.

```
//PLEXA    DD DSN=ASM. COPY. PLEXA. TMC, DI SP=SHR
```

```
//PLEXC    DD DSN=ASM. COPY. PLEXC. TMC, DI SP=SHR
```

- They must be pre-allocated, and recommended (not required) to be the same DCB attributes of the system they are a copy of and be allocated with the same cylinders as the TMC they are a copy of.

## Major Enhancements – CA 1 TMC Replication (cont.)

- Commands are done like all other CTS subtasks:  
F CTS,MSG RMST,xxxxxxx
- Major commands supported are SYNC and STATUS
- A SYNC command will send a copy of the active TMC on the system where the command was issued **to** all other systems defined in the REPLICAT member.
- Sending is done as a synchronous operation, sending to one remote PLEX after another until it has been sent to all other systems.

## Major Enhancements – CA 1 TMC Replication (cont.)

- A STATUS command will display the following:

```
F CTSCA1R,MSG RMST,STATUS
OPER TO RMST STATUS
TMSRMST STATUS COMMAND RECEIVED
TMS0610I TMSRMST STATUS command issued on PLEX90 041
TAPEPLEX LPAR LAST SUCCESSFUL SYNC LAST SUCCESSFUL RECV STATUS
-----
PLEX76    XE76                                     INACTIVE
PLEX34    DE34 2015/226 16:33:06.09 2015/226 16:31:54.83 ACTIVE
PLEX35    DE35                                     INACTIVE
```

- The STATUS column will contain ACTIVE (meaning communication is active with that PLEX), INACTIVE (not currently communicating), SENDING (meaning a copy of this system's TMC is being sent to this PLEX) or RECEIVING (meaning a replication-copy from that PLEX is being received).

## CA 1 Version 14.0 – Change pseudo-slot for Vaulting

- Assign pseudo-slot of 9999999 to all Virtual Volumes
  - Based on ROBOT-TYPE field in the volume record
- The EARL reports have commented out lines to look for these pseudo-slots and bypass them for reporting purposes.
- Advantages:
  - Allows for those sites with a mixture of physical and virtual tapes to eliminate the virtual volumes from the picking/distribution report
  - Makes it easier to identify the virtual volumes on an inventory report

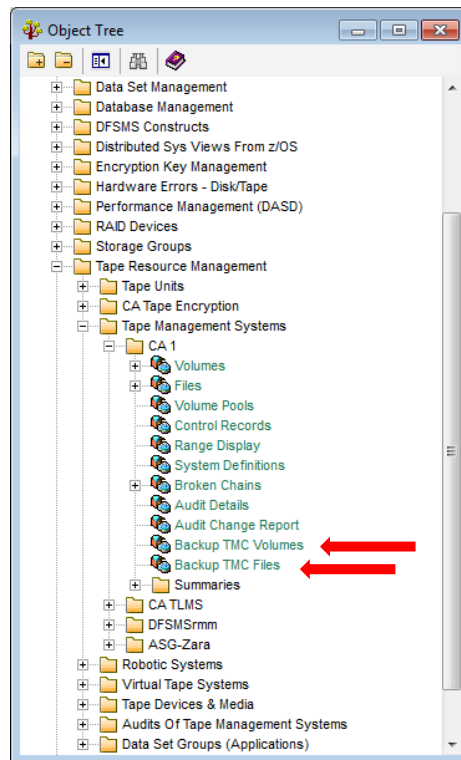
## CA 1 Version 14.0 – TMSPTRS support for DSNTYPE=LARGE

- Change to TMSPTRS to allow for DSNTYPE=LARGE for SYSUT3
  - Only needed if the total number of records in your TMC exceeds 10-million using standard blocks
- Strictly optional if you want to use DSNTYPE=LARGE or not
- Advantages:
  - For any site approaching the 10,000,000 record limitation, you can continue to use TMSPTRS to analyze your TMC

## CA Vantage™ SRM – CA 1 Enhancement

- CA Graphical Management Interface Enhancement lets you view data extracted from a Backup copy of the TMC:
  - Shadow TMC created by Replication feature
  - TMC backup created by TMSCOPY or IEBGENER
  - Active TMC
- CTSXUTIL program has been updated to include CA 1 support in 14.0 INC01
  - Invokes Sort to create extract files for Backup Volumes and Backup Files from input TMC
  - CA Vantage or CA GMI reads the extract files sequentially for faster access
  - Requires maintenance to CA Vantage / CA GMI (RO82672)

## CA Vantage – CA 1 New Backup TMC Objects



- Two new objects in tree
  - Backup TMC Volumes
  - Backup TMC Files
- Same fields as Volumes, Files in active TMC objects
- Presents data from extract files written by CTSXUTIL
- Read-only access



CA 1 Backup TMC Volumes

File View Edit Operate Actions Options Help

Show Line: [ ]

Send Chorus Alert

Enter Backup TMC

View DSKTMCB Scr

Run DSKTMCB Scr

Configure DSKTMCB

Volume	Exp Date	External Date	Vol Seq Nbr	First Vol of DS	Prev Vol of DS	Next Vol of DS	DSNBs	Rec Tech	Density	Label	Recfm	L
1												
2												
3												
4												
5												
6												
7												
8												
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XE76 / SAMS - CA 1 Backup TMC Volumes

Enter Backup TMC

Parameter Name	Parameter Value
Backup TMC to Process	SYS2.TEST.PLEX02.SHADOW.TMC

Accept

Help

Exit

Status	Results
✓	UPDATE SUCCESSFUL. NEXT STEP IS TO RUN DSKTMCB SYSTEM SCRIPT FROM ACTIONS.

Then Run DSKTMCB Scr to submit CTSXUTIL job to create extracts

XE76 / SAMS - (VISTMBV) CA 1 Backup TMC Volumes

DI Records: 28

## Improved performance of the MVS/Catalog – (delivered with base r12.6)

- Optional sub-task in the CTS address space
- If present, writes the SMF record to a private QUEUE
- SMFQ sub-task processes Queue entries (5 second intervals)
- TMC/Audit not updated WHILE the MVS/Catalog enqueued
- Advantages:
  - Improved system/business application availability and throughput
  - Eliminates any potential enqueue lockouts
  - Improved performance of the MVS/Catalog address space

## Volume Pool Monitor (VPM) – Optional New Feature Overview (delivered in 12.6 with RO55480)

- Monitors activity for user defined pools of CA 1 managed tapes
- Uses CTS subtask to monitor and record the status
- At intervals, pools status compared to user defined rules
- Email/WTO “alerts” are sent if required
- Advantages:
  - Save time - Information immediately available at your fingertips
  - All information about pools, alerts, substitution variables, and the options that control VPM reside in the VSAM data base (VDB)

## VPM – Sub Features

- User created volume pools and alerts
- Display of volume pools via z/OS console or ISPF
- Constant monitoring of volume pools via CTS task
- Notification via email or WTO when “alert” conditions met
- Substitution variables for use in emails/WTOs and alerts
- History records for volume pools can be used in spreadsheets
- Variables updated by CA 1 (TMSCLEAN, TMSCOPY & TMSVMUPD)
- New CTS ISPF panels to maintain VPM

## VPM – Monitoring

- Counts in volume pools can be tested for values or percent
  - Active volumes
  - Scratch volumes
  - Out-of-Services volumes
  - Volumes which have never been used
- Numeric values of User and Product variables
  - TMSCLEAN – RC, Current Scratch Tapes, Date/Time of last run, number of tapes scratched and un-cataloged
  - TMSCOPY – RC, Active & Available DSNB's, Date/Time of last backup, Audit records and Audit records backed up
  - Vaulting – RC, Date/Time of last run, tapes to and from offsite locations, tapes moved

## VPM – email input

```
/* Sample for Class */
```

EMAIL

x-TO:&Notify\_for\_My\_Class\_Alert-1&

x-TITLE:Shortage of Scratch tapes in &CTS\_Alert\_Pool\_ID&

x-PRNTFR:Volume Pool Monitor

x-FMT: HTML

This alert occurred on &SYSDATE& at &SYSTIME&. <BR><BR>

The number of scratch tapes has dropped below &CTS\_Alert\_Value&.

This email will be sent every &CTS\_Alert\_Interval& hours until the shortage is corrected.

## VPM – email output

**From:** Volume Pool Monitor  
**Sent:** Monday, January 07, 2013 2:19 PM  
**To:** Cravy, Joe B  
**Subject:** Shortage of Scratch tapes in My\_Class\_Pool-1

This alert occurred on 01/07/2013 at 14:19:08.

The number of scratch tapes has dropped below 500. This email will be sent every 01 hours until the shortage is corrected.

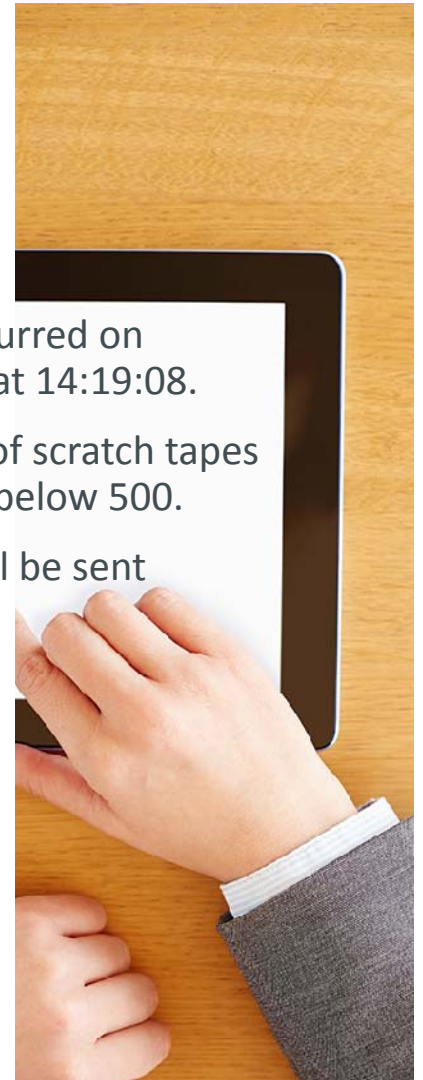
# VPM

## Email Output as a TEXT Message

This alert occurred on  
01/07/2014 at 14:19:08.

The number of scratch tapes  
has dropped below 500.

This email will be sent





## Improved validation when using an IBM tape library

- New SYNCTEST parameter added to CTSSYNC
- No updates are performed to either OAM or the TMC
- All 3 databases are validated (OAM/TCDB/VolCat, the LM database inside the robot, and the TMC itself)
- Reports “Out-of-Sync” errors
- Error Example: **OUT OF SYNC: TVIUSEA = S & TVILCAT = UN**
- Advantages:
  - A way to list “out-of-sync” conditions between the IBM databases
  - By only listing errors and not correcting, you have a better chance to diagnose what may have caused the problem in the first place

## Improved tracking/reporting of the actual bytes written to tapes – (delivered in 12.6 with RO68743)

- With RECFM of VB or U, the block-size specified may or may not be the actual block-size written to the tape
- New 1-byte field compares bytes written & calculated value
- If the percentage is >256 it will be reported as 100% (files smaller than 2k in total size will fall into this category)
- A new EARL has been created to take this into account
- Advantages:
  - Budgeting and planning accuracy
  - If any type of charge-back system uses CA 1 information, you may be under or over-charging based on this information

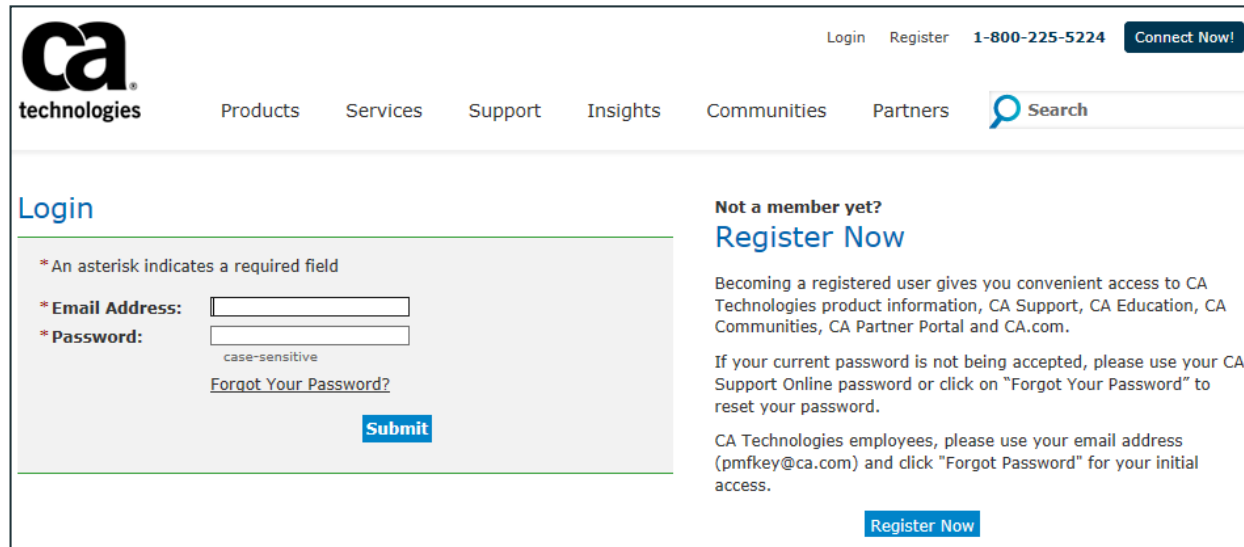
## Missing Volume Resolved during EOVS processing - (delivered in 12.6 with RO63948)

- If you read a tape file and reach EOVS (end of volume) prior to reaching EOF (end of file), then z/OS will automatically select the next volume from the JFCB and have it mounted.
- If there is no next-volume in the JFCB, IBM will issue message IEC710I ANOTHER VOLUME EXPECTED
- This will be resolved by adding the next-volume from the TMC record going through CLOSE-EOVS.
- **Advantages:**
  - Allows you to read a multi-volume not-cataloged file by only specifying the first volume in the JCL (VOL=SER=*first\_vol*).

# CA Communities for Storage Management

<https://communities.ca.com/community/ca-mainframe-storage>

Create an account or log in



The screenshot shows the CA Technologies website's login and registration interface. At the top, the CA Technologies logo is on the left, and navigation links for Login, Register, 1-800-225-5224, and Connect Now! are on the right. Below the logo, a horizontal menu contains links for Products, Services, Support, Insights, Communities, and Partners, followed by a search bar. The main content area is divided into two sections. On the left, the 'Login' section features a note that an asterisk indicates a required field, followed by input fields for Email Address and Password (marked as case-sensitive). A 'Forgot Your Password?' link and a blue 'Submit' button are also present. On the right, the 'Not a member yet? Register Now' section explains the benefits of registration and provides instructions for employees. A blue 'Register Now' button is located at the bottom right of this section.

ca technologies

Login Register 1-800-225-5224 Connect Now!

Products Services Support Insights Communities Partners Search

### Login

\* An asterisk indicates a required field

\* Email Address:

\* Password:   
case-sensitive

[Forgot Your Password?](#)

[Submit](#)

### Not a member yet? Register Now

Becoming a registered user gives you convenient access to CA Technologies product information, CA Support, CA Education, CA Communities, CA Partner Portal and CA.com.

If your current password is not being accepted, please use your CA Support Online password or click on "Forgot Your Password" to reset your password.

CA Technologies employees, please use your email address (pmfkey@ca.com) and click "Forgot Password" for your initial access.

[Register Now](#)

# CA Communities for Storage Management

<https://communities.ca.com/community/ca-mainframe-storage>

1. Click **Communities** and  
select **CA Mainframe Storage**

2. Click **Follow** to get updates  
from the Storage Community

The screenshot shows the CA Mainframe Storage Community landing page. A yellow arrow points from the 'Communities' link in the top navigation bar to the 'CA Mainframe Storage' community header. Another yellow arrow points from the 'Follow' button in the top right corner to the 'Follow' button. A third yellow arrow points from the 'Content' tab in the community header to the 'Content' tab. The page includes a 'WELCOME TO THE CA MAINFRAME STORAGE COMMUNITY' section, an 'ASK THE CA MAINFRAME STORAGE COMMUNITY' section with a search bar, a 'RECENT ACTIVITY' section showing a post by Achim\_Mueller, and an 'UPCOMING EVENTS' section with two webcasts.

3. Landing page gives overview of  
recent activities. Click **Content**.

# CA Communities for Storage Management

<https://communities.ca.com/community/ca-mainframe-storage>

The screenshot shows the CA Mainframe Storage community page. The header includes navigation tabs: Overview, Content, People, Subcommunities, Reports, and Calendar. A yellow box highlights the 'Content' tab with the text 'Filter by content Serves as secondary navigation under Storage Community'. A red box highlights the 'Ideas (51)' link with the text 'View/ Comment/ Vote for Ideas'. On the left, a yellow box highlights the 'Categories' list with the text 'Content Category by Product Serves as primary navigation under Storage Community'. Below that, a yellow box highlights the 'ACTIONS' list with the text 'Actions to add new content'. A red box highlights the 'Create an idea' link with the text 'Submit an Idea'. The main content area displays a list of posts with columns for Title, Author, Views, and Latest activity.

**Content Category by Product**  
Serves as primary navigation under Storage Community

**Filter by content**  
Serves as secondary navigation under Storage Community

**View/ Comment/ Vote for Ideas**

**Actions to add new content**

**Submit an Idea**

Title	Author	Views	Latest activity
Add Cloud Storage for System z support for non-z/OS data - z/VM, VSE and/or TPF	Michael.Melillo	12	July 2 2014 5:20 AM
Switch to offline mode if connection to the host has been lost	Achim_Mueller	19	July 2 2014 5:17 AM
Usage of -n VTOC copy during FMS RECOVER using SELECT=VTOCS	Achim_Mueller	11	June 27 2014 8:56 AM
DB2UTILB may abend with IECTMS3 NS(64) and IEFMS50 7XX-04	rayca01	10	June 27 2014 8:05 AM
Where can I get training on the use of CA Disk?	aaronc	23	June 23 2014 2:51 PM
Sort Summary Objects by Description	Melissa Briones	14	June 23 2014 4:12 AM
Webcast: A Simple Way to Achieve Cost-Effective System z Storage	Lenn Thompson	26	June 20 2014 4:23 PM
Storage by the Numbers - cost-effective management for your mainframe data (Infographic)	Michael.Melillo	7	June 20 2014 11:37 AM

# CA Communities for Storage Management

Ideas Detail **By clicking an idea from the previous list, you will then go to the detail page for that idea.**

The screenshot displays the 'Ideas Detail' page for the idea 'Enhanced Vaulting and Retention Policy Management'. The page is annotated with yellow callout boxes and arrows explaining its components:

- Idea Title:** Points to the title 'Enhanced Vaulting and Retention Policy Management'.
- Vote Up or Down:** Points to the voting interface showing '1' vote and a 'NEW' status.
- Idea Description:** Points to the main text of the idea, which describes a need for simpler rule or policy maintenance.
- Read/Add Comments:** Points to the comments section, which includes two comments from users 'tom.maccabe' and 'WITRU02'.
- Other Actions available related to the Idea:** Points to the 'ACTIONS' sidebar on the right, which includes options like 'Follow', 'Share', 'Bookmark', 'Edit idea', 'Move idea', 'Delete idea', and 'View as PDF'.

The page also shows a 'VOTE HISTORY' section with a single vote from 'tom-dawdy'.

# CA Communities for Storage Management

Submit an Idea by clicking “Create an Idea” from the Actions in the list view

The screenshot shows the 'Create Idea' form with the following components and annotations:

- Title Field:** A text input field at the top. An annotation box on the left says "Add a descriptive title for your idea" with an arrow pointing to this field.
- Rich Text Editor:** A text area below the title field with a formatting toolbar (bold, italic, underline, link, etc.). An annotation box on the left says "Add a detailed description of your idea including the need and the value it will provide" with a bracket pointing to this area.
- Other Form Inputs:** A yellow bracketed area below the rich text editor is labeled "... other form inputs here ...".
- Categories:** A section titled "Categories" with the subtitle "Help others find your content by selecting relevant categories". It contains a list of checkboxes for various CA products: CA 1 Tape, CA Allocate, CA Chorus Storage, CA Cloud Storage for System z, CA Disk, CA Tape Encryption, CA TLMS, CA Vantage, and CA Vtape. An annotation box on the left says "Select one or more product category for your idea" with a bracket pointing to this list.
- Advanced options:** A link labeled "Advanced options" with a play icon.
- Buttons:** At the bottom are "Publish" and "Cancel" buttons. An annotation box on the left says "Click Publish to submit your idea" with an arrow pointing to the "Publish" button.



# Youtube “how to” video’s coming soon

The screenshot shows the YouTube channel page for CA Technologies. At the top, the YouTube logo is on the left, a search bar with 'ca technologies channel' in the center, and an 'Upload' button and user profile icon on the right. Below this is a large teal banner with the CA Technologies logo on the left and the text 'In a world full of disruption, it helps to have a guide.' in the center. To the right of the text are links to 'ca.com', 'G+', 'Twitter', 'Facebook', and 'LinkedIn'. Below the banner, the channel name 'CA Technologies' is displayed with a verified checkmark. To the right of the name is a red 'Subscribe' button and the subscriber count '7,264'. Below the channel name is a navigation bar with links for 'Home', 'Videos', 'Playlists', 'Channels', 'Discussion', and 'About'. The main content area features a video thumbnail of a smartphone with a 'Subscribe' button in the bottom right corner. To the right of the video is the title 'Business, Rewritten by Software™', the view count '19,839 views 1 year ago', and a description: 'In the application economy, every business is a software business. CA is pivoting to a position of significant leadership in the developing Application Economy. Our portfolio of products and solutions, along with our services and partner alliances, are aligned to help today's modern businesses succeed in a landscape where the app is everything. Learn more at: <http://cainc.to/MMbv5...>'. To the right of the video is a 'Featured Channels' section with the CA Technologies logo, the name 'Educate', and a 'Subscribe' button. The CA Technologies logo is also visible in the bottom right corner of the page.

YouTube

ca technologies channel

Upload

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19,839 views 1 year ago

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Q & A