



# CA Datacom/AD 15.0 Installation/Upgrade and Maintenance

CTC 06 – AD – Wednesday, April 27 2016

Vince Abadie



# Objectives

- What is CA Datacom/AD?
- Who runs/executes CA Datacom/AD?
- What are the differences between AD and DB?
- Where do you pick up the PAX files for CA Datacom/AD
- Components of CA Datacom/AD
- Demo of Installation of CA Datacom/AD
- Post Install steps for CA Datacom/AD
- Overview of an Upgrade of CA Datacom/AD
- Demo of applying maintenance to CA Datacom/AD
- Summary



# What is CA Datacom/AD?

- It stands for Application Development
- Run time option of CA Datacom/DB
- Relational Database
  - SQL
  - Native Access
- Black box type of environment
- Transparent to the application



# Who Runs/Executes CA Datacom/AD?

The only clients that are allowed to operate CA Datacom/AD are clients that have the following CA software:

---

- CA 11
- CA 7
- CA APCDDS
- CA Chorus Software Manager
- CA Disk
- CA Ideal for DB2
- CA IMS Tools
- CA JARS
- CA Jobtrac
- CA NetMaster Reporting Facility
- CA PMA Chargeback
- CA Scheduler
- CCS ENF
- CCS Event Management
- Chorus Infrastructure
- CIA and Compliance Manager



# Who Runs/Executes CA Datacom/AD?

The only clients that are allowed to operate CA Datacom/AD are clients that have the following CA Software:

AD Product	Database name (in Datadict)	DBID	DBIDs Reserved for Future	Comments
CA APCDDS	APC100	100		
CA-7/Report Balancing	APC100	100		Marketing re-package (APCDDS)
CA Scheduler/Report Balancer	APC100	100		Marketing re-package (APCDDS)
CA Jobtrac	HD0161	161-162	163-168	
CA Scheduler	CH430	430	431-439	
CA JARS	PMA490	490		JARS and PMA use same DBID
CA PMA/Chargeback	PMA490	490		JARS and PMA use same DBID
CA NetMaster	NM500	500	501-502	
CA-11	L7601	601	602	
CA IMS Toolkit	ITKREPDB	615		
CA Disk Backup and Restore	DMS650	650	651-699	
CCS for z/OS ENF	CAS9ENFD	700		
CCS for z/OS Event Manage.	EVENT-MANAGEMENT-DB	1011		
CA Workload Auto.CA7 Edition	CA770	770	771-779	
MSM	CAMSMDB	4000	4001-4002	
Chorus Infrastructure	TSF4003	4003	4004-4008	
Chorus Infrastructure	COP750	750		
Security Compliance Manager	CMG3500	3500	3500-3549	
Security Compliance DataMart	CMD3550	3550	3550-3574	
Security Compliance Warehous	CMW3575	3575	3575-3599	
Security CIA	CIA3600	3600	3600-3699	



# Who Runs/Executes CA Datacom/AD?

- Restricted for any other application from using the environment
- Constrained via internal mechanisms that will not allow other definitions to CA Datacom/AD
- Capability to execute multiple CA Products that are licensed to the user:
  - If licensed, each product does not need one CA Datacom environment
  - One CA Datacom/AD environment can be shared by multiple applications
  - Except for CCS ENF – They need to execute stand alone (Architectural restriction)



# What Are the Differences Between AD and DB?

- DB is a full blown development environment
  - The license allows you to use the environment as you see it fit as far as development is concerned.
  - Has also the capability to provide support for an online environment like CICS.
  - Has many other options available
- AD applications development
  - Can only be accessed by CA products/applications as a data repository
  - Strictly a batch type of environment
  - Transparent to client



# Components of CA Datacom/AD?

- CA Datacom/DB
- CA Datacom Datadictionary
- CA Datacom SQL
- CA IPC
- CA Datacom Server





# Where Do You Pick Up the PAX File For CA Datacom/AD?

- Depends on the type of Install that you would be performing
  - ESD (Electronic Software Delivery)
  - CSM (Chorus Software Manager)
- If performing ESD (Electronic Software Delivery) you need get the PAX from
  - <https://support.ca.com/>
  - Upon logging on to the site, hover over the Download Center icon and click on Download Products
  - Under Select a Product put CA Datacom/AD - MVS and on the drop down Select a Release, chose the release you want to bring down.
  - Click GO

- The following panel will appear:

Product Components				Add to cart	Download
DATAKOM/AD PROD INFO PACKET CAIE00000P0.pdf	14.0 /0000	06/01/2012	220.53KB	<input type="checkbox"/>	<a href="#">Download</a>
DATAKOM/AD XPRESS INSTALL E00000CAI00.pax.Z	14.0 /0000	09/11/2012	48.6MB	<input type="checkbox"/>	<a href="#">Download</a>

- Click on Download and it will give you three options (you choose)
  - HTTP via Download Manager
  - HTTP via Internet Browser
  - FTP



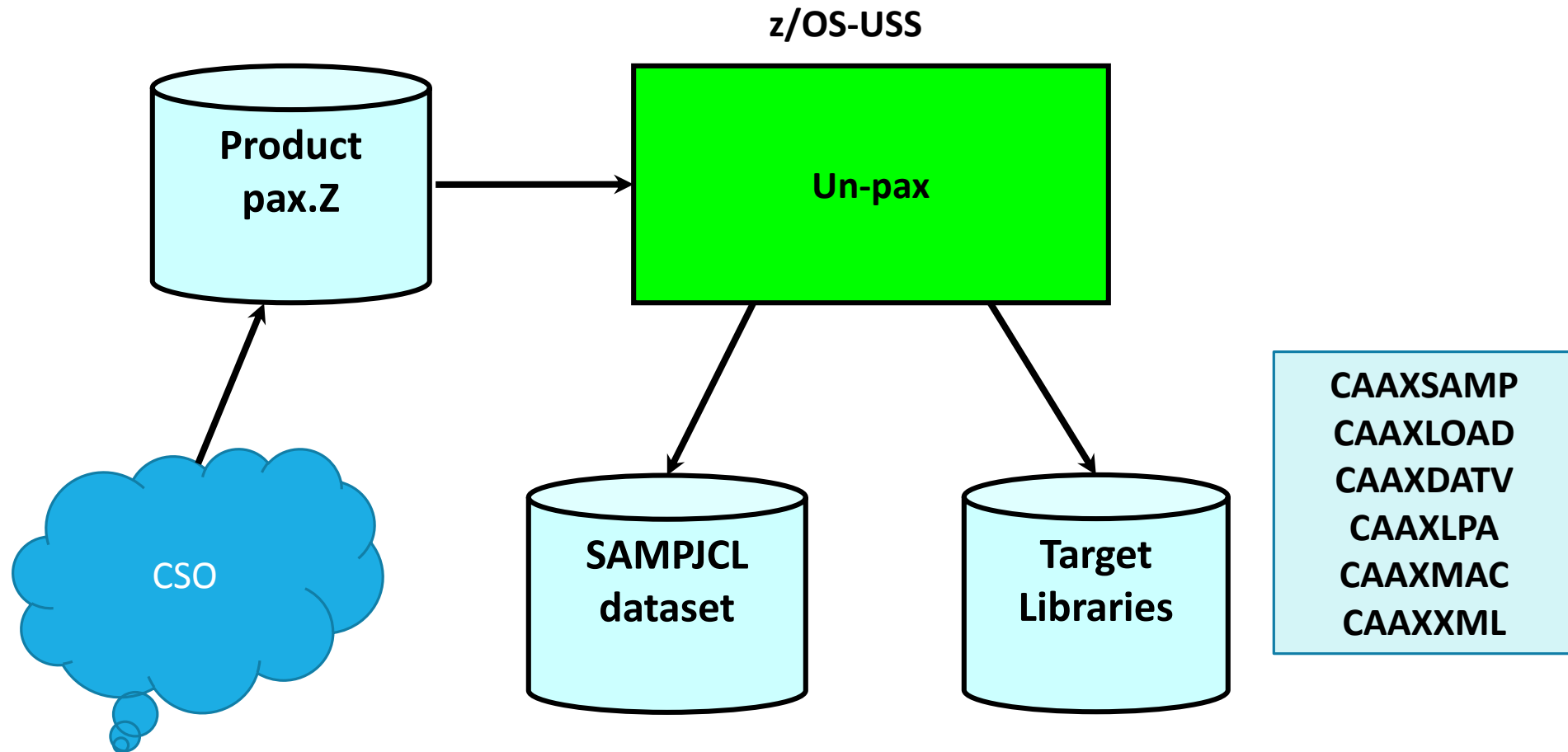
# Demo of Installation of CA Datacom/AD (ESD)

- Setup for Installation:
  - Have documentation available
  - Read or download README files (for the latest updates)
  - Go over and setup the Worksheet found in the documentation
  - Make sure you have the correct access to create, delete directories in USS
  - Create USS Directory where you'll be downloading your PAX file to
- Copy CA Datacom/AD PAX file to the directory created and unpax the file  

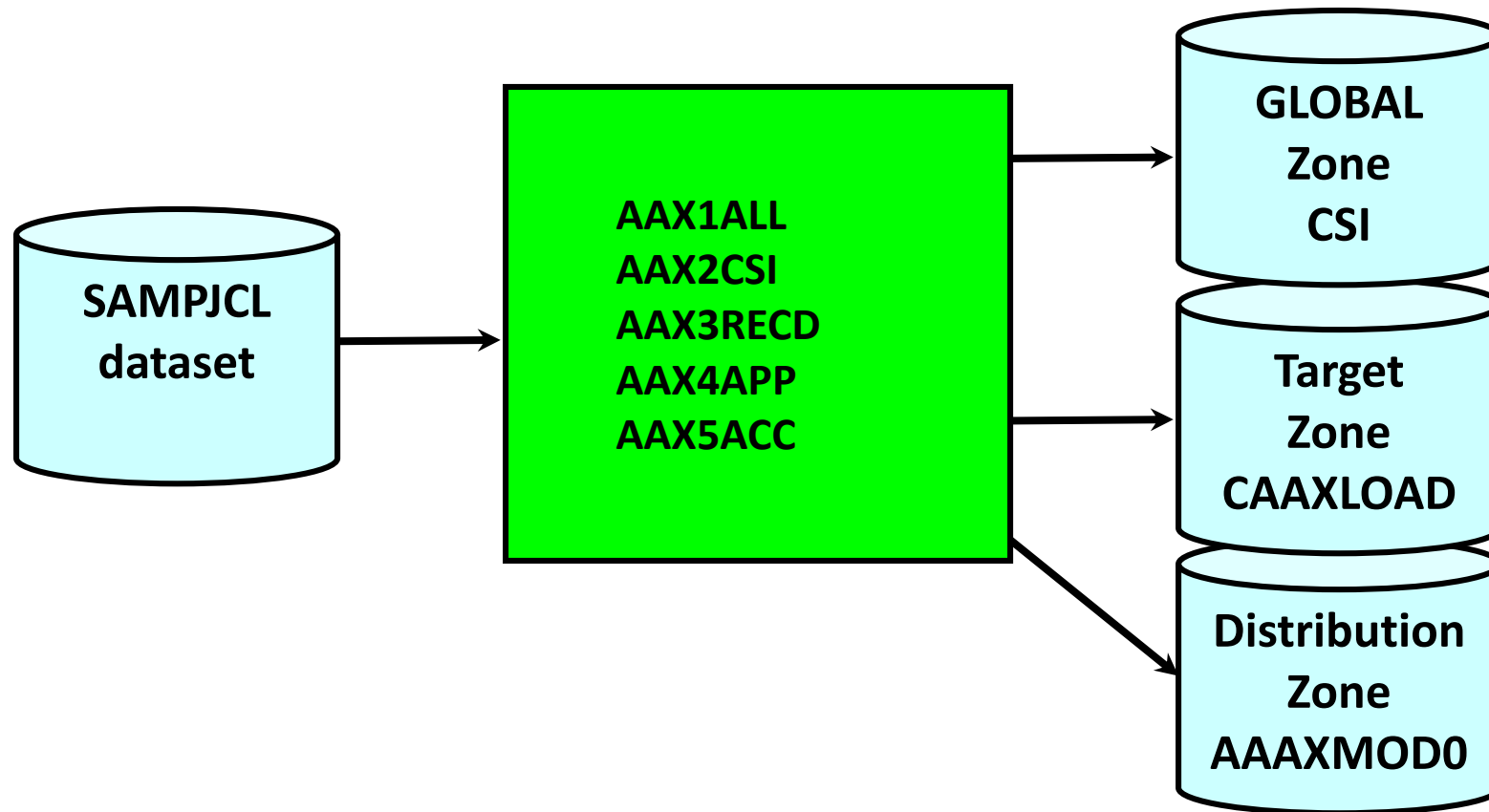
```
ABAVI01:/CA31/u/users/datacom/abavi01/ADr15:>  
====> pax -rvf AAXF0B0.pax.Z
```
- Edit member UNZIPJCL to unzip the PAX and create the SAMPJCL and REL files
- Upon good execution library HLQ.CAI.SAMPCL is created
- Edit member AAXSEEDIT and place it in you CLIST library and rename it to AD15



# Demo of Installation of CA Datacom/AD (ESD)



# Demo of Installation of CA Datacom/AD (ESD)



# Demo of Installation of CA Datacom/AD (ESD) (cont'd)

- Check on the latest CA Recommended Service (CA RS) level available for the products
- Check on the requirements for Error HOLDDATA that is available
  - You can perform items 1 and 2 after the completion of the installation
- List in the order these jobs need to be executed:
  - Edit and Submit member AAX1ALL (job allocates all of the required datasets for the installation)
  - Edit and Submit member AAX2CSI (job creates the CSI for the SMP/E environment)
  - Edit and Submit member AAX3RECD (job performs the SMP/E RECEIVE function)
  - Edit and Submit member AAX4APP (job performs the SMP/E APPLY function)
  - Edit and Submit member AAX5ACC (job performs the SMP/E ACCEPT function)
- Upon the successful completion of the above jobs the Target Libraries are created
  - CAAXLOAD (Target Load Library)
  - CAAXMAC (Target Macro Library)
  - CAAXDATV (Target Panel input file)
  - CAAXLPA (Link Pack Area Library)
  - CAAXSAMP (Sample Target Library)
  - CAAXXML (CSM Deployment and Configuration)



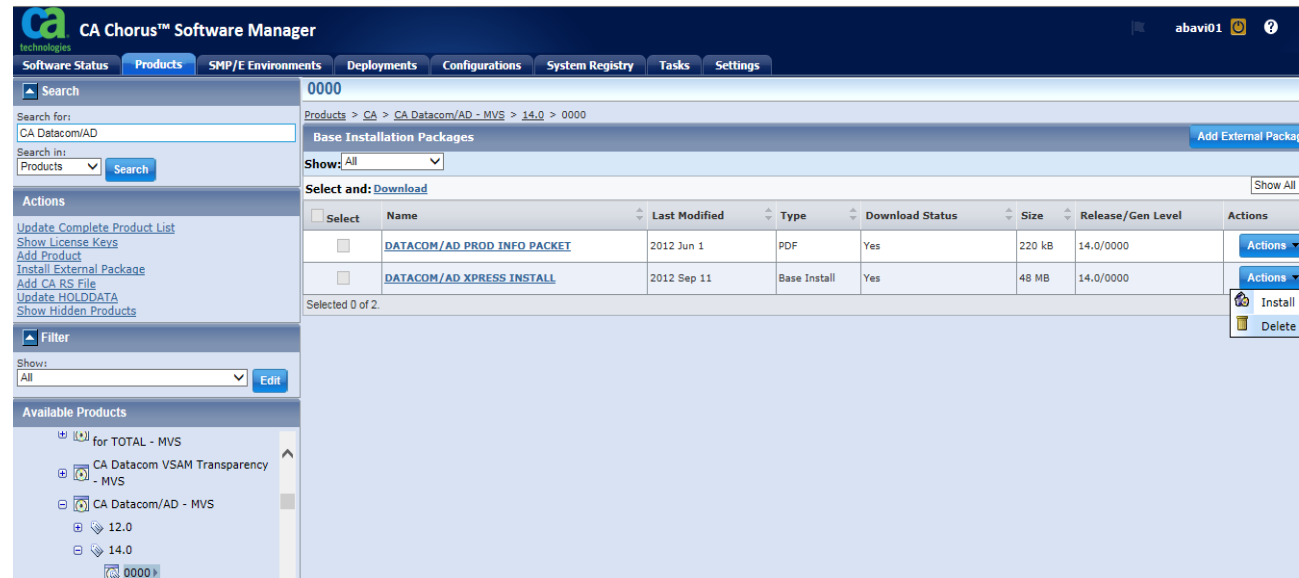
# Demo of Installation of CA Datacom/AD (CSM) (cont'd)

- If your site has CSM (Chorus Software Manager) installed and operational in your site, you need to go through the following steps to download and install CA Datacom/AD
- After logging on to CSM, click on the Products tab and put CA Datacom/AD in the Search for box



# Demo of Installation of CA Datacom/AD (CSM) (cont'd)

- After pressing Enter click on the Version and you will get the following panel where in the Actions drop down you will see the following:



- Click on Install and follow the panels. Upon successful install this will have built the SMP/E environment for CA Datacom/AD



# Applying Maintenance to an Existing CSI (ESD)

- There are two things that you must do while applying maintenance to CA Datacom/AD
  - You must download any HOLDDATA and apply it to your existing CA Datacom/AD environment
  - You must verify what CA RS maintenance level you need to apply
- Edit and Submit member AAX1HOLD from the CAI.SAMPJCL Library
  - This member Downloads the HOLDDATA (if any) from the CA Support Online site into a dataset which you will then use to perform the RECEIVE, APPLY and ACCEPT functions
- Edit and Submit member AAX6CARS from the CAI.SAMPJCL Library
  - This member downloads the CA RS from the CA Support Online site into a dataset which you will use to perform the RECEIVE, APPLY and ACCEPT functions





# Applying Maintenance to an Existing CSI (CSM)

- Logon to your CSM environment and click on the SMP/E Environments tab
  - You will see a list of all the SMP/E CSIs in your CSM environment
  - Click on the CSI Environment that you will be applying maintenance to
  - Click on the Actions pull down and select Upgrade CA RS Level (this will give you all of CA RS maintenance available. You choose the one applicable to your environment.

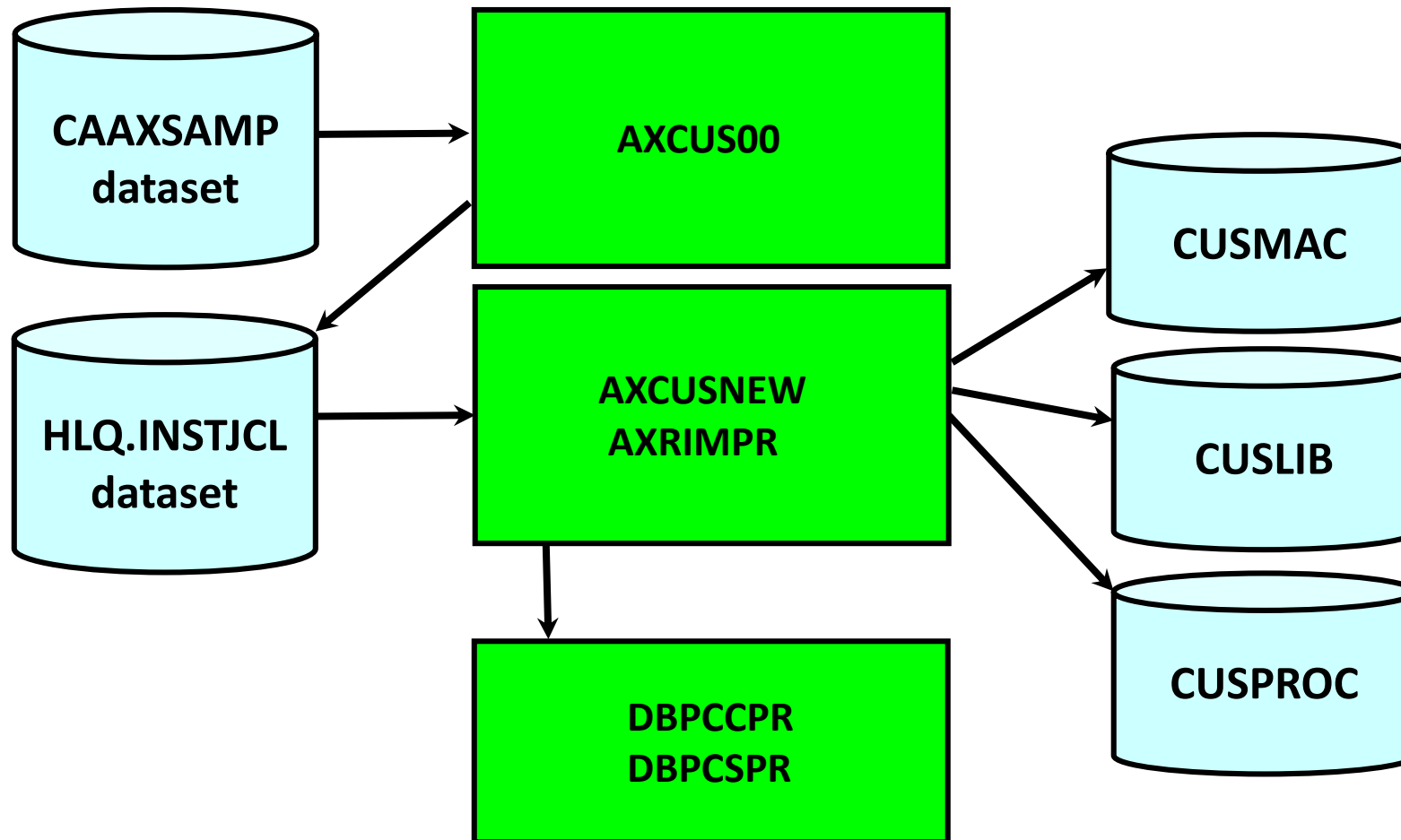
<input type="checkbox"/>	CA Data Content Discovery 1.0	SHEDA05.PUBLIC.DCDV1.SMP.CSI	No tags	Actions
<input checked="" type="checkbox"/>	CA Datacom/AD r15 (V1)	DCMQA.AX15V1.CSI	No tags	Actions
<input type="checkbox"/>	CA Datacom Install Development for Beta	DCMDEV.IVEDA01.BETA.CSI		
<input type="checkbox"/>	CA Datacom/AD 15 Testing for JARS/PMACB	LIVMI02.PUBLIC.DAD15.CSI		
<input type="checkbox"/>	CA Datacom/AD r14 (V1)	DCMQA.AX14V1.CSI		
<input type="checkbox"/>	CA Datacom/AD r15 (V2)	DCMQA.AX15V2.CSI		
<input type="checkbox"/>	CA Datacom/AD r15 (V3)	DCMQA.AX15V3.CSI		
<input type="checkbox"/>	CA Datacom/AD12G0	DCMALL.PUBLIC.AD12G0.CSI		
<input type="checkbox"/>	CA Datacom/AD12T0	DCMALL.PUBLIC.AD12T0.CSI		
<input type="checkbox"/>	CA Datacom/AD14G0	DCMALL.PUBLIC.AD14G0.CSI		

- Add to Working Set
- Change Name
- Edit Tags
- Update Using Fix Categories
- Upgrade CA RS Level
- Delete SMP/E Environment
- Exception SYSMOD Report
- Create LIST ALLZONES Report
- Remove SMP/E Environment from CA CSM
- Create Deployment
- Create Configuration

- You will receive the following panel telling you the CA RS level that is about to be installed:



# Post Install Steps for CA Datacom/AD (New Install)

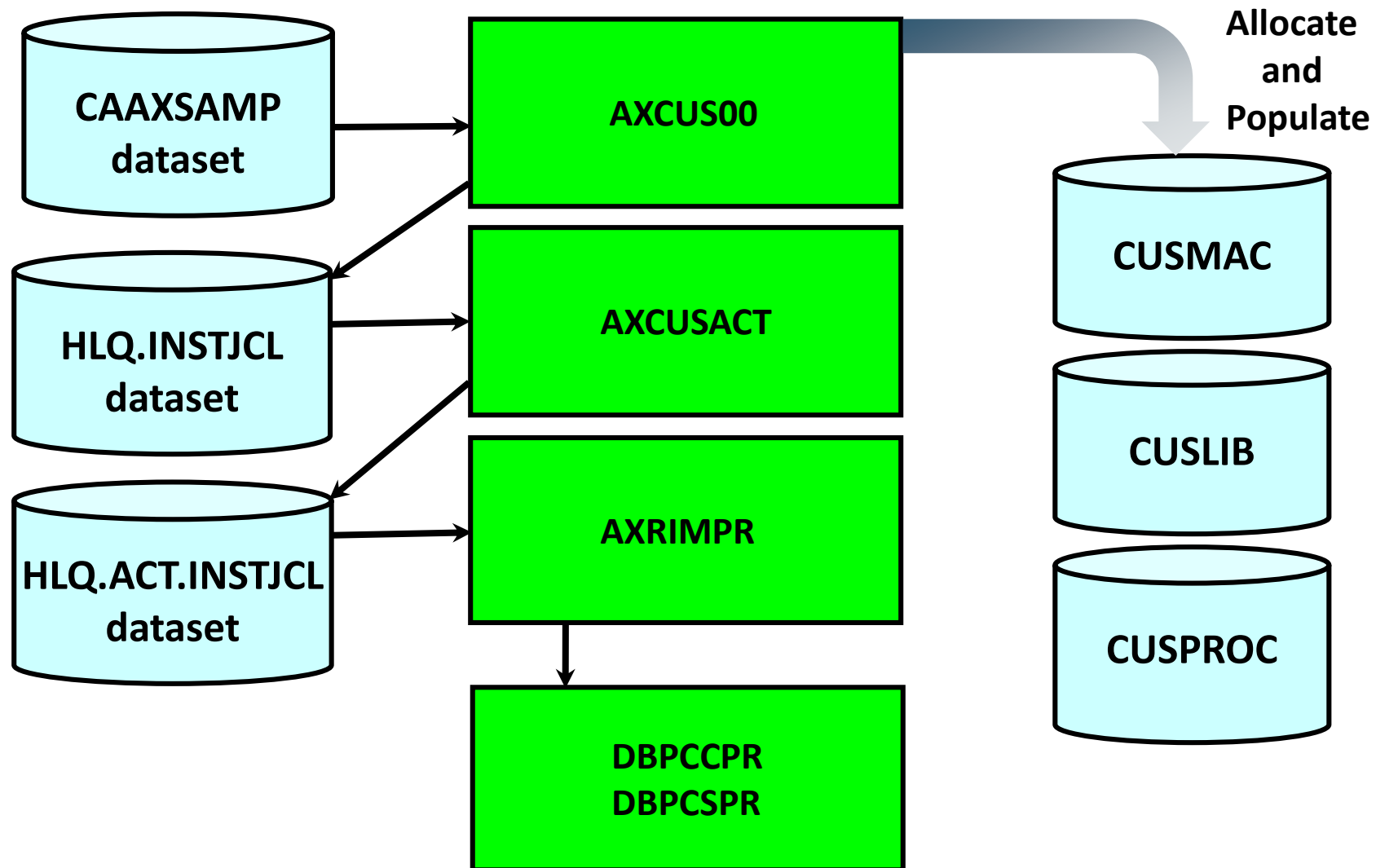


# Post Install Steps for CA Datacom/AD (New Install)

- Edit and submit member AXCUS00 from Target Library CAAXSAMP
  - This member creates PDS INSTJCL where all of the Post Install members reside
- Edit member \$DCAXEDT and post it to your CLIST library
  - This member contains all of the overrides and modifications that will be made on all members that will be executed
- Edit and submit member AXCUSNEW from the INSTJCL Library
  - This member performs all of the customized assemblies and populates the CUSMAC, CUSPROC and CUSLIB libraries
- Edit and Submit member AXRIM01 from the INSTJCL Library
  - This member performs the CAIRIM execution to load the program call PC routines (DBPCCPR and DBPCSPR)
- Edit and submit member AXNEW01 from the INSTJCL Library
  - This member performs the creation, initialization and loads of all of the System Files (CXX, LXX, FXX) and the supporting Databases (002, 015)
- Edit and submit member AD15STRT from the INSTJCL Library
  - This member is the Startup deck for the MUF (Multi-User Facility)



# Post Install Steps for CA Datacom/AD (Active MUF/Upgrade)



# Post Install Steps for CA Datacom/AD (Active MUF/Upgrade)

- This process is only supports an Upgrade from Version 14.0 to 15.0
- Edit and submit member AXCUS00 from Target Library CAAXSAMP
  - This member creates PDS INSTJCL where all of the Post Install members reside
- Edit member \$DCAXEDT and post it to your CLIST library
  - This member contains all of the overrides and modifications that will be made on all members that will be executed
- Edit and submit member AXCUSACT from the INSTJCL Library
  - This member creates an Upgrade Library with the specific members needed to perform that function
- Edit and submit member AXACTUPG from the ACT.INSTJCL Library
  - This member performs all of the custom assemblies required for CA Datacom/AD
  - Before Executing this member make sure you cross-reference the parameters in DBSIDPR with the ones you used in Version 14.0 of AD (make sure they match)



# Post Install Steps for CA Datacom/AD (Active MUF/Upgrade) (cont'd)

- Edit and Submit member AXAPFADD from the ACT.INSTJCL Library
  - This member APF Authorizes both the CUSLIB and CAAXLOAD target library a requirement for MUF
- Edit and Submit member AXRIM01 from the ACT.INSTJCL Library
  - This member executes CAIRIM to load members to load the program call PC routines
- Edit and Submit member AD15STUP from the ACT.INSTJCL Library
  - This member is the Startup deck for the MUF (Multi-User Facility)
  - This MUF has the Version 15.0 Custom and Target Libraries
  - It also has the Version 14.0 Dataset names
- At this time your AD Version 15.0 MUF environment is up and running, executing with Version 14.0 datasets. You have an option you can keep executing in this mode or you can run the following jobs to complete the Upgrade:
  - AXACTALC – This member allocates the backup datasets prior to starting the upgrade process
  - AXACTDD1 – This member will execute DBUTLTY performing backups of the CXX, Dictionary and DDD
  - AXACTDD2 - This member will perform the maintenance into Datadictionary
  - AXACTDYN - This member performs the Version 15.0 maintenance for the System Tables. This is the last step of the upgrade.
- If you're environment becomes corrupted and you need to backout to Version 14.0 run the following restore jobs
  - AXACTDD1R – This member restores the CXX, Datadictionary and the DDD back to Version 14.0
  - AXACTDYR - This member posts the Version 14.0 of the System Tables.



# Summary

- Downloading the AD Version 15.0 PAX
- Reviewed the SMP/E installation process
  - Via ESD (Electronic Software Delivery)
  - Via CSM (Chorus Software Manager)
- Reviewed Post Install procedures for A Datacom/AD Version 15.0
- Reviewed Active Upgrade process Datacom/AD Version 15.0



# FOR INFORMATION PURPOSES ONLY

## Terms of this Presentation

This presentation was based on current information and resource allocations as of April 2016 and is subject to change or withdrawal by CA at any time without notice. Notwithstanding anything in this presentation to the contrary, this presentation shall not serve to (i) affect the rights and/or obligations of CA or its licensees under any existing or future written license agreement or services agreement relating to any CA software product; or (ii) amend any product documentation or specifications for any CA software product. The development, release and timing of any features or functionality described in this presentation remain at CA's sole discretion. Notwithstanding anything in this presentation to the contrary, upon the general availability of any future CA product release referenced in this presentation, CA will make such release available (i) for sale to new licensees of such product; and (ii) to existing licensees of such product on a when and if-available basis as part of CA maintenance and support, and in the form of a regularly scheduled major product release. Such releases may be made available to current licensees of such product who are current subscribers to CA maintenance and support on a when and if-available basis. In the event of a conflict between the terms of this paragraph and any other information contained in this presentation, the terms of this paragraph shall govern.

Certain information in this presentation may outline CA's general product direction. All information in this presentation is for your informational purposes only and may not be incorporated into any contract. CA assumes no responsibility for the accuracy or completeness of the information. To the extent permitted by applicable law, CA provides this presentation "as is" without warranty of any kind, including without limitation, any implied warranties or merchantability, fitness for a particular purpose, or non-infringement. In no event will CA be liable for any loss or damage, direct or indirect, from the use of this document, including, without limitation, lost profits, lost investment, business interruption, goodwill, or lost data, even if CA is expressly advised in advance of the possibility of such damages. CA confidential and proprietary. No unauthorized copying or distribution permitted.





# Questions?

