





Introductions: Mark O'Brien CM First, Steve Solomon CA, Lenn Thompson CA



Product Updates: **The Road to the Future**By Steve Solomon



Lightning Talk #1: **CA 2E SQL Generation Tips**By Eamonn Foley & Mark Schroeder



Lightning Talk #2: Call Migrated CA 2E Functions as Java Web Services.

By Abram Darnutzer & Chris Smith



Discussion and Next Steps





An Important Announcement to the CA Plex CA 2E Community:

CM First and our Partners are offering a US\$ 25 Gift Card to CUSTOMER SPEAKERS who deliver a future CA Communities Webcast Lightning Talk on a Topic of their choosing.





Steve Solomon
2017 Wrap Up
And
The Road Ahead





CA Technologies

9th Annual World Wide Developer Conference















User Group Presidency

Christoph Heinrich – Co-President

Introducing

Amy Lugibihl – Co-President

9th Annual World Wide Developer Conference





CA Plex Update

- CA Plex 7.2.1 Cumulative Update Cum PTF002
 - Complete (35+ Fixes) (25+ in PTF001)
 - Posted and Ready to Download
- New Certifications
 - Windows Server 2012 r2
 - Windows Server 2016
 - MS SQL Server 2016





Group model extract/update – long duration

This improvement has been addressed as part of CA Plex 7.2.1 PTF build 001. Performance has improved by 35%.





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Roadmap: CA 2E

Timeline as December 2017

Delivered		Planned	Under Consideration	
roduct/ Releases	CA 2E 8.7	CA 2E 8.8	CA 2E 8.8+	
Marquee Features/ Business Value	 Simplify conversion from DDS to DDL database by allowing you to continue to use RLA functions without regenerating and 	 IBM i OS 7.3 Certification including all core components (Completed) Improve SQL Support by adding enhanced 	Customer EnhancementsImproved PerformanceREST Enablement	
	recompiling them Simplify deployment and	support for SQL ■ Optimize for "N" Rows	■ Select by Column Name	
	 Change Management by allowing generated database objects to be compiled into any desired SQL collection or library as specified in the YSQLLIB model value Ensure that indexes are protected from data corruption by creating them with LVLCHK(*YES) when the RCDFMT keyword is used 	Partition Support		
		 Data access by file type - RLA for DDS and SQL for DDL/SQL files 		
		 Make it easier to consume web services by having meaningful names in WSDL 	CA 2E 8.7 PTF Roll Up #	
		• Make CA 2E Easier to Use by adding native string handling routines	is in Testing and Validation	
	 Change Management support for DDL objects 	Architectural Runway for REST API Enablement	Thank You to the customers assisting in the effort	
	Currently GA			



technologies

End of Service Reminders

CA Plex 7.1

- EOS December 2018

• CA Plex 7.2

- EOS December 2018

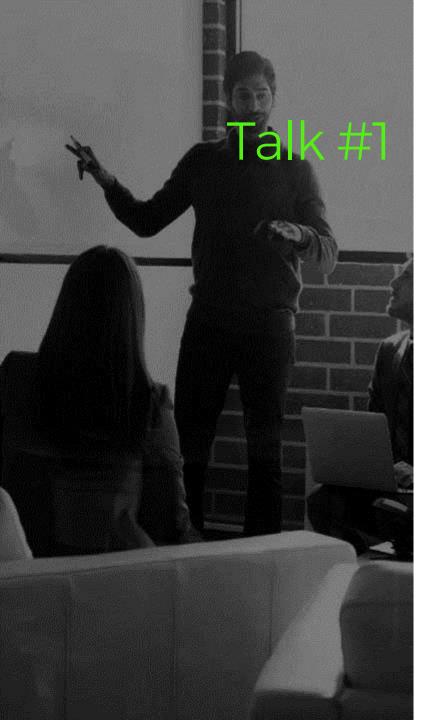
- CA 2E 8.6

- EOS December 2018



The CA Team Remains Focused on Reducing Backlog and providing support for customers upgrading to New Release





Lightning Talk #1:

CA 2E SQL Generation Tips

By:

Eamonn Foley

Mark Schroeder

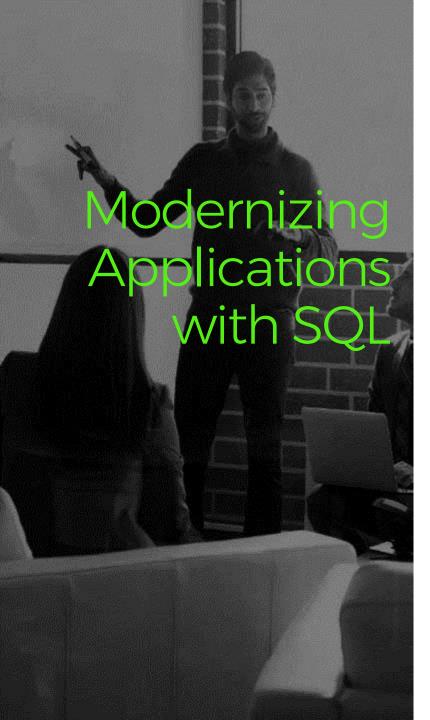




There are options to consider when modernizing a file name to SQL in 2E.

- Keep the file and field names the same.
- Keep the file name the same, give the fields enhanced names.
- Change the file and fields to enhanced names.





Name Scenarios

Enhance	YSQLVNM Value	Model File Name	Table name	Table	Implement	Table	Table Name used by	Function re-
SQL Name?				Implementation Name	ation name available	Name used	I SQL function	compilation required
rune.				Tunic .	for the	function		after
					table?			enhanced table name

Υ	*LNG	Product	Product_TABLE	UUA2REP	Υ	UUA2REP	UUA2REP	N
N	*LNG	Product	Product	UUA2REP	N	UUA2REP	UUA2REP	N/A (*)
Y	*LNG	Purchased_Products	Purchased_Produc	ts UUB2REP	Υ	UUB2REP	UUB2REP	N
N	*LNG	Purchased_Products	Purchased_Produc	ts UUB2REP	Υ	UUB2REP	UUB2REP	N
Y/N	*SQL	Product	Product	UUA2REP	N	UUA2REP	Product	N
Y/N	*SQL	Purchased_Products	Purchased_Produc	ts N/A	N	UUA2REP	Purchased_Product s	N
Y/N	*DDS	Product	N/A	UUA2REP	Υ	UUA2REP	UUA2REP	N
Y/N	*LNF	Product	UUA2REP	UUA2REP	Υ	UUA2REP	UUA2REP	N
Y/N	*LNF	Purchased_Products	UUB2REP	UUB2REP	Υ	UUB2REP	UUB2REP	N
Y	*LNT	Product	Product_TABLE	UUA2REP	Υ	UUA2REP	UUA2REP	N
N	*LNT	Product	Product	UUA2REP	N	UUA2REP	UUA2REP	N/A (*)
Y/N	*LNT	Purchased_Products	Purchased_Produc	ts UUB2REP	Υ	UUB2REP	UUB2REP	N Cochnologie





- Keep the file name the same, give the fields enhanced names.
 - Change model value YSQLLEN to length greater than 10.
 - Change model value YSQLVNM to *LNF.
 - Use DDL generation mode.
 - Set Enhanced SQL Naming to Y.





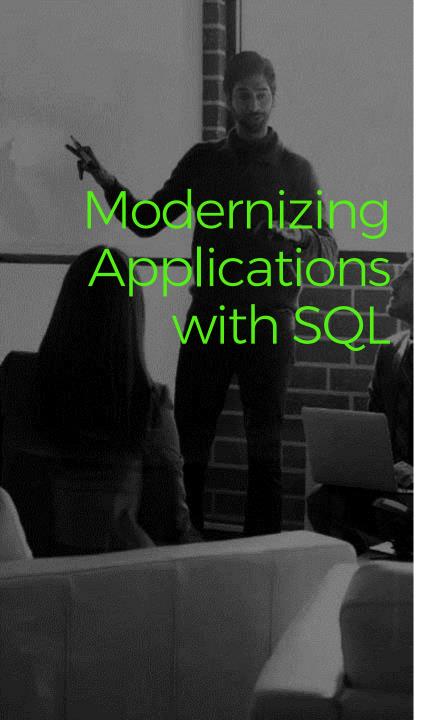
- Keep the file the same and give the fields enhanced names.
 - Change model value YSQLLEN to length greater than 10.





- Keep the file the same and give the fields enhanced names.
 - Change model value YSQLVNM to *LNF



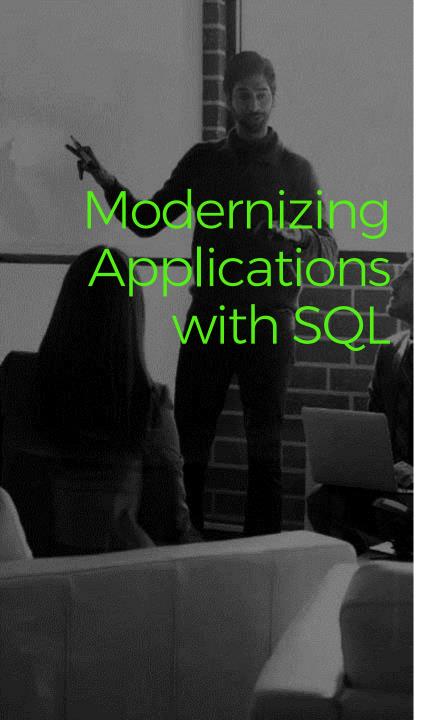


- Keep the file the same and give the fields enhanced names
 - Set Enhanced SQL Naming to N.

```
EDIT FILE DETAILS
                                    T87TST
File name . . . . . . . : USR User DDS
Attribute . . . . . . . . CPT
                                    Field reference file. : *NONE
Documentation sequence. . :
                                    Source library. . . . : T87TSTGEN
                                    Distributed . . . . : N (Y,N)
GEN format prefix . . . . : AE
Assimilated physical. . . :
                                    Enhance SQL Naming. \cdot : N (Y, N)
Record not found message. : USR User DDS
                                               NF Msgid. :
                                                           USR0072
Record exists message . . : USR User DDS
                                               EX Msgid. :
                                                          USR0073
```







- Keep the file the same and give the fields enhanced names
 - Generation Mode is DDL





- File is the original file name.
- Fields are descriptive names based on the filed descriptions.

```
Select and Sequence Fields
Type sequence numbers (1-999) to select fields, press Enter.
Seq
    Field
                        File
                                            Type
                                                                 Length Scale
     USR_USER_ID
                                            CHARACTER
                                                                      10
     USR_USER_NAME
                                            CHARACTER
                                                                      25
                        TTAECPP
     USR_STATUS
                                            CHARACTER
                        TTAECPP
```







- Fields can still be referred to by the DDS names.
- Functions still run without having to be recompiled.

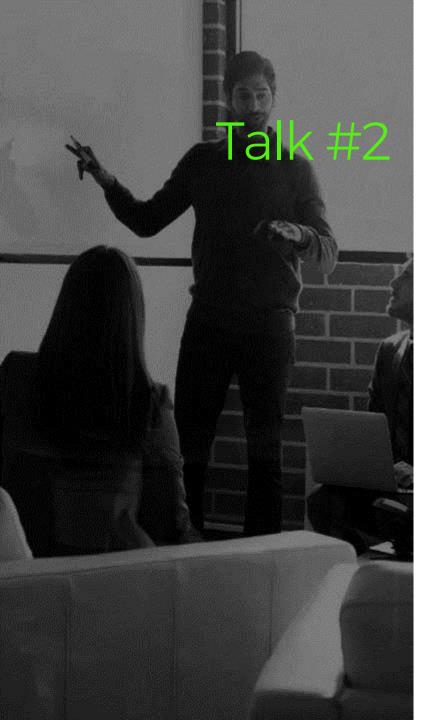
Seq	Field	Text	Len Dec
	AEADVN	USR User ID	10
	AEAETX	USR User Name	25
	AEACST	USR Status	1





- Using enhanced file and enhanced the field names.
 - Change model value YSQLLEN to length greater than 10.
 - Change model value YSQLVNM to *LNG.
 - Use SQL or DDL generation mode.
 - Set Enhanced SQL Naming to Y.





Lightning Talk #2:

Call Migrated CA 2E Functions as Java Web Services.

Ву

Abram Darnutzer

Chris Smith



Questions?

