

CA's Innovative Strategy for Mainframe Management: *Changing the Way the Mainframe is Managed Forever*

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Mainframe Business Unit - CA Technologies



- In 2008, CA announced the inception of the groundbreaking Mainframe 2.0 strategy, to change the way the mainframe is managed forever. In this session, the speaker will discuss the progress being made along this journey and the technology innovations can help you get more from your mainframe investments and quickly deliver value through an enhanced customer experience.
- Learn how, even with little or no mainframe experience, you can quickly automate and streamline your CA product acquisition, installation, deployment and maintenance with CA Mainframe Software Manager (CA MSM), a major component of CA's Mainframe 2.0 strategy.
- Additionally, the speaker will also discuss the need for an entirely new interaction model for managing the mainframe and how traditional product-centric administration transcends into intelligent role-based experiences. Learn how you can use this revolutionary innovation to enable greater productivity, derive greater business value from your mainframe investments and transfer knowledge to the next generation of mainframe IT staff

agenda

- Mainframe 2.0, the Vision
- The Journey
- 2009 Delivered
- 2010 Deliverables
- 2011 Deliverables
- CA Mainframe Chorus, Extending the Vision

- **Continued delivery on Mainframe 2.0 strategy**
 - Extraordinary reception of strategy and wide adoption of deliverables
 - Announced CA MSM r3.0 and CA Mainframe Stack as part of May Mainframe Madness 2010
 - Investment and innovation across CA Technologies product portfolio
- **CA Mainframe Chorus: Revolutionary mainframe management paradigm**
 - Modern, role-based interaction model
 - DB2 Management first role to be delivered
 - Introduces next generation management
- **CA Technologies is the leading the challenge to sustain critical mainframe skills**

CA Technologies Differentiation

- ✓ Breakthrough innovation
- ✓ Investment leadership
- ✓ Thought-leadership in mainframe management
- ✓ Broadest and deepest portfolio
- ✓ Consistent delivery – Promises kept

1. THE MARKET

Mainframe Platform Drivers

- Business Growth
- Hardware Evolution
- Mainframe Virtues



2. THE CHALLENGES

Control Costs

- Do More...
- "...with less"
- "...with nothing"

Sustain Critical Skills

- Build next generation team dynamically
- On ramp for next gen is long and complex

Increase Agility

- Provision services faster
- Multiplatform data center
- Solve critical issues

4. THE PROGRAMS

Promises Made

Maximize Value

1

Simplify Management

2

Practical Innovation

3

Promises Kept

Customer Engagement
Technology Exploitation

Mainframe Software Mgmt
Mainframe Stack

Integration, Productivity,
and Insight

3. THE STRATEGY

Maximize
Value

Simplify
Management

Practical
Innovation

Best in Class Quality, Support, and
Customer Experience

the programs

Promises Made	Promises Kept
Maximize Value	1 <ul style="list-style-type: none">• <i>Customer Engagement:</i> MVP, MSAC, Training, Best Practices, Publications• <i>Technology Exploitation:</i> Specialty Engines, Application Performance & Tuning
Simplify Management	2 <ul style="list-style-type: none">• CA Mainframe Software Manager (CA MSM)• CA Mainframe Stack• Health Checks• Integrated System Testing
Practical Innovation	3 <ul style="list-style-type: none">• Cross Enterprise APM• Risk and Compliance Management• Development Environment Integration• Workload Automation

Mainframe 2.0: customer success

– Large Manufacturer

- Mainframe 2.0 strategy and CA MSM were catalyst to consolidating from six vendors on to CA Technologies

– US Brokerage

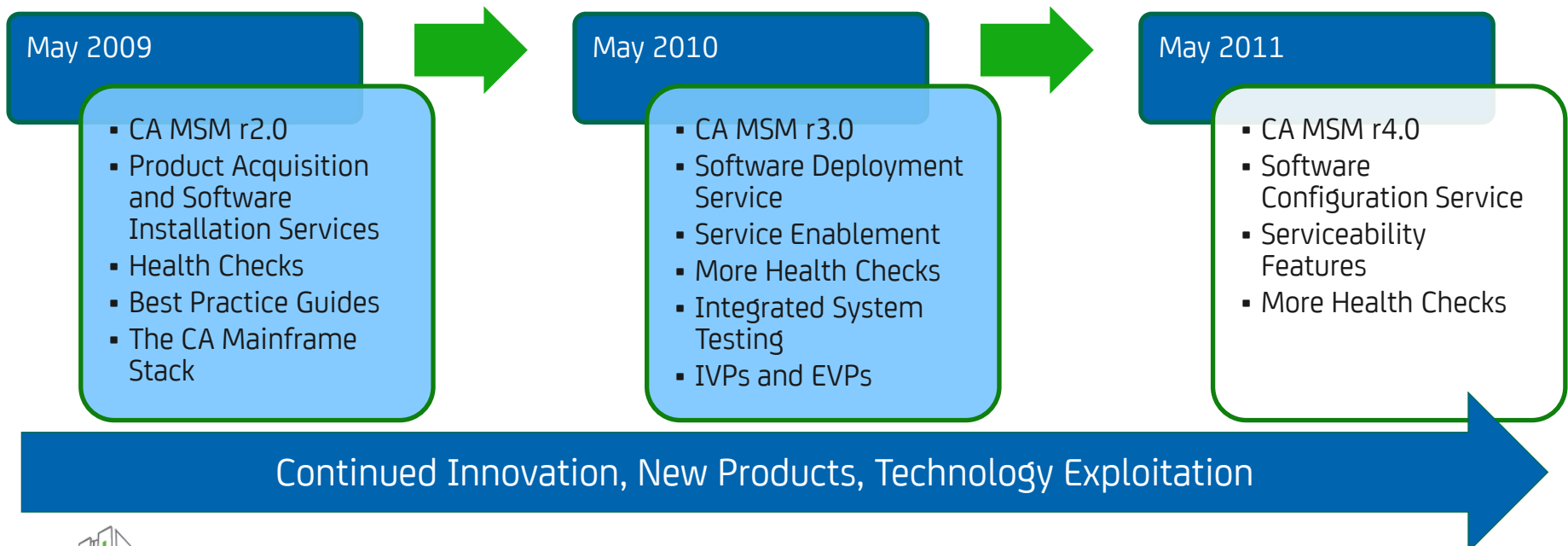
- Mainframe 2.0 Strategy and CA MSM differentiated CA Technologies from Compuware and LRS. Proved CA Technologies was the better choice to invest in.

– European Financial

- MVP recommendations increased output, reduce costs, and defined best practices. Helped CA Technologies replace BMC.

mainframe software management the journey

- An aggressive three-year journey to deliver on our promises and the virtues of the platform
- Delivering a new CA mainframe software management experience
- Delivering a CA Mainframe Stack



technology delivered in 2009

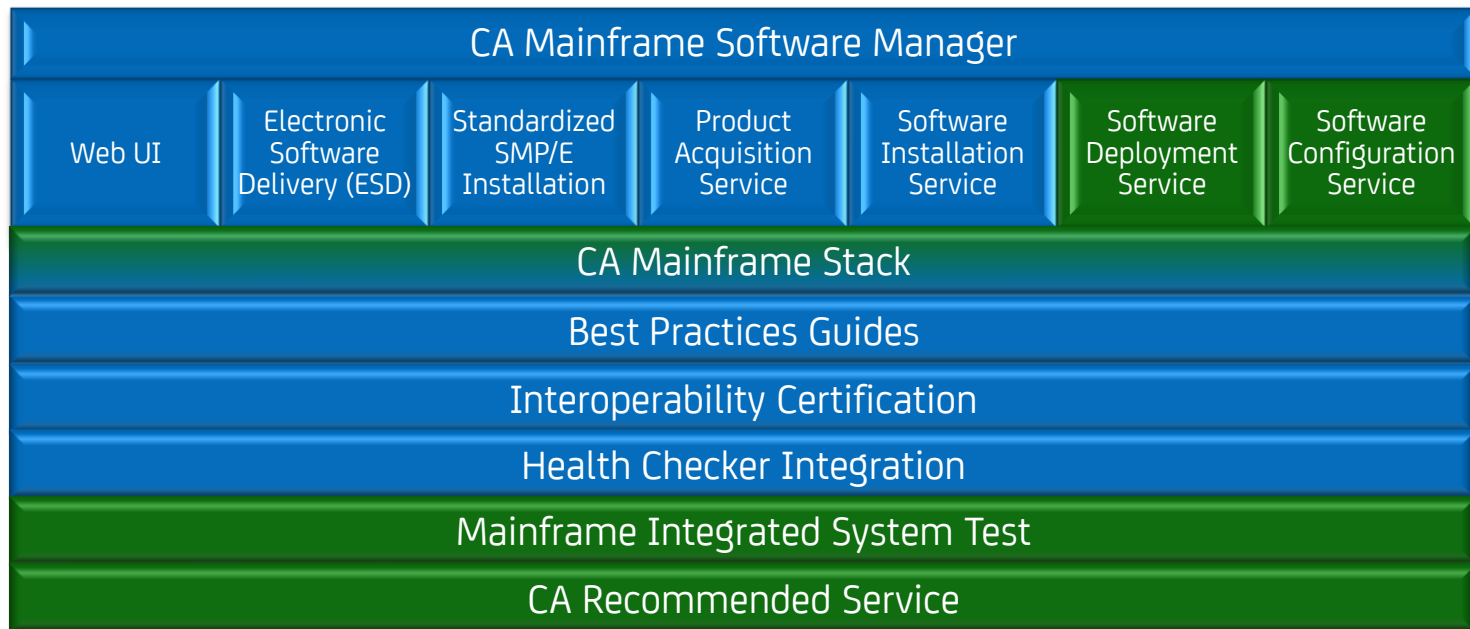
CA Mainframe Stack and CA MSM r2.0

Promises Made

Simplify Management

Promises Kept

CA Mainframe Software
Manager



technology delivered in 2010

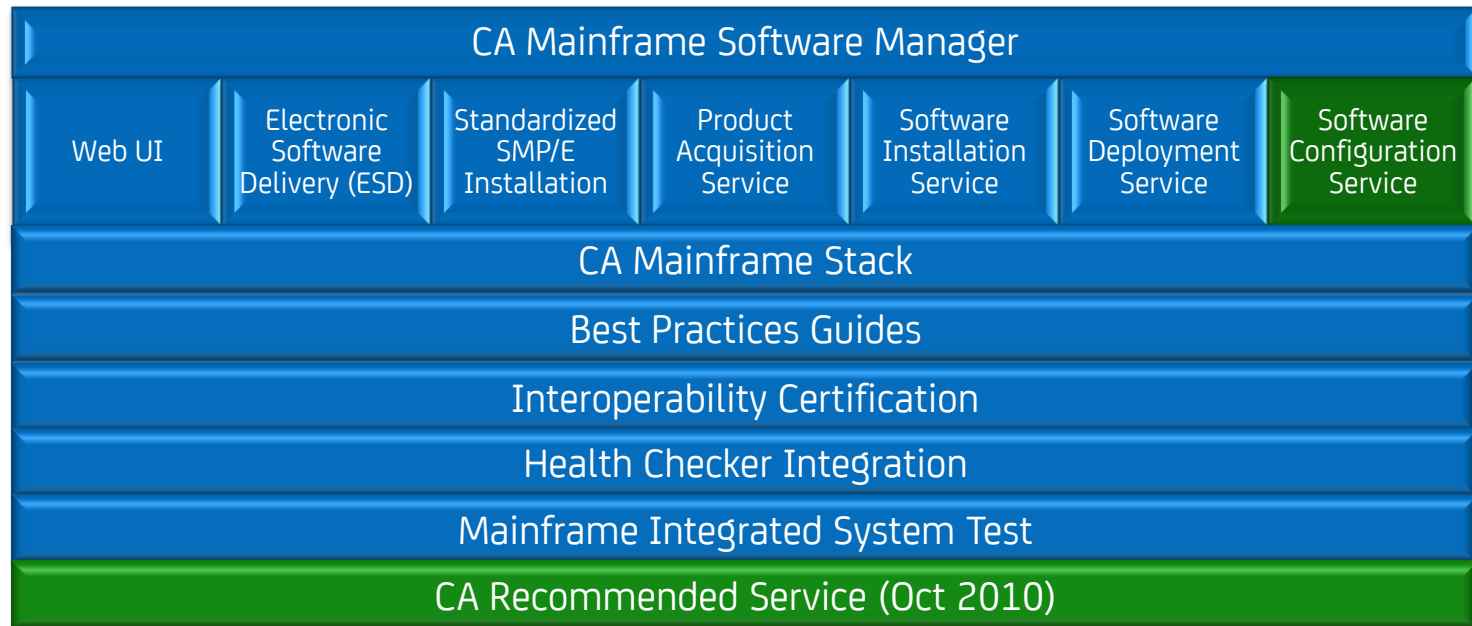
CA Mainframe Stack and CA MSM r3.0

Promises Made

Simplify Management

Promises Kept

CA Mainframe Software
Manager



simplify management: CA Mainframe Software Manager (CA MSM)

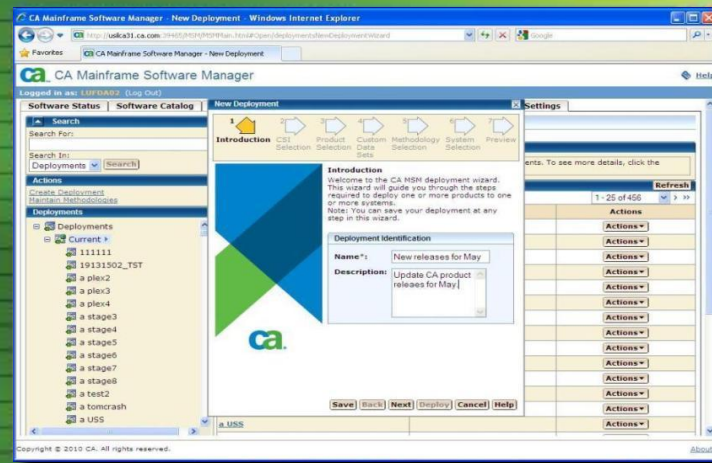
```
====>
COMMAND GENERATION SELECTION MENU

Select one of the following:
10 RECEIVE      20 RESETRC    30 LIST BACKUP  40 ZONECOPY
11 APPLY        21 JCLIN      31 LIST LOG     41 ZONEEDIT
12 ACCEPT       22 UCLIN      32 LIST         42 ZONEDELETE
13 REJECT       23 CLEANUP    33 UNLOAD       43 ZONEEXPORT
14 RESTORE      24 GENERATE    34 REPORT       44 ZONEIMPORT
15 LINK         25 LOG        35 BUILDMCS    45 ZONEMERGE
                26 UPGRADE

Enter or verify the following:
ZONE NAME      ==> (required)
OPTIONS NAME   ==> (OPTIONS name or blank)
SMP/E PROCESS PARAMETER ==> WAIT WAIT or END

To return to the SMP/E primary option menu enter the END command

5694-A01 5655-644 COPYRIGHT IBM CORP 1982, 2008
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Over 250 Customers Using CA MSM!

- InstallShield® and Windows Update for the Mainframe
- Dramatically simplifies software management activities
- Significantly reduces installation, deployment, and maintenance times
- Huge productivity increases for both mainframe experts and novices
- More than 120 deployable products across all major product families
- Included at no additional charge for any active CA Technologies mainframe customers

what does CA MSM do?

- Downloads software products and service from CA Support Online
 - Includes other artifacts (e.g. PDFs, letters, etc.)
- Creates CSIs
- Evaluates and installs software into CSIs
- Evaluates and installs maintenance into CSIs
- Adds “External Maintenance”
 - e.g. ++APARs, ++USERMODS
- Installs “External Package”
 - e.g. Beta products, other vendor products
- Migrates existing CSIs
- Maintains relationships between products and CSIs

CA MSM time savings - installation

Time to Install 10 Mainframe Applications*						
Product	Mainframe Expert Install			Mainframe Novice Install		
	Traditional	With CA MSM	Improvement	Traditional	With CA MSM	Improvement
CA 1 [®] Tape Management	36 min	9 min	4X	3 hrs 12 min	14 min	14X
CA Auditor for z/OS	26 min	7 min	4X	2 hrs 22 min	8 min	18X
CA Datacom [®]	1hr 14 min	6 min	12X	3 hrs 8 min	10 min	19X
CA JARS Resource Accounting	37 min	5 min	7X	1 hr 11 min	6 min	12X
CA Librarian [®]	28 min	2 min	14X	1 hr 13 min	6 min	12X
CA MIM [™] Resource Sharing	30 min	5 min	6X	1 hr 31 min	5 min	18X
CA OPS/MVS [®] Event Management and Automation	36 min	6 min	6X	1 hr 50 min	7 min	16X
CA Panvalet [®]	54 min	3 min	18X	1 hr 11 min	5 min	14X
CA SMF Director	40 min	5 min	8X	1 hr 10 min	6 min	12X
CA SymDump [®] for CICS	38 min	3 min	12X	4 hrs 3 min	6 min	40X
Totals	6 hrs 39 min	51 min	8X	20 hrs 51 min	73 min	17X

87% improvement for installation; 93% improvement for maintenance

Source: CA Technologies Lab Results

CA MSM time savings - maintenance

Time to Install <u>Maintenance</u> for 7 Mainframe Applications*							
Product	Number of Fixes	Mainframe Expert Install			Mainframe Novice Install		
		Traditional	With CA MSM	Improve-ment	Traditional	With CA MSM	Improve-ment
CA Auditor for z/OS	14	23 min	1 min 22 sec	17X	41 min	1 min 30 sec	27X
CA Cleanup for CA ACF2™	1	6 min	38 sec	10X	33 min	1 min 13 sec	27X
CA Easytrieve®	9	24 min	1 min 24 sec	17X	60 min	1 min 59 sec	31X
CA Endeavor® Software Change Manager	19	32 min	5 min 5 sec	7X	46 min	10 min 2 sec	5X
CA Librarian®	15	45 min	1 min 58 sec	23X	38 min	2 min 55 sec	13X
CA Panvalet®	12	27 min	1 min 39 sec	17X	62 min	2 min 25 sec	26X
CA View®	4	32 min	1 min 48 sec	18X	37 min	1 min 39 sec	22X
Totals		3 hrs 09 min	13 min 54 sec	14X	5 hrs 17 min	21 min 43 sec	15X

Source: CA Technologies Lab Results

93% productivity gains for mainframe experts and 94% for novices!

CA MSM time savings - deployment

Time to Deploy 10 Mainframe Applications

Product	To A Single Remote System			To Six Remote Systems		
	Traditional	With CA MSM	Improvement	Traditional	With CA MSM	Improvement
CA 1 Tape Management	55 min	2 min 9 sec	25X	2 hr 30 min	5 min 45 sec	26X
CA 11™ Workload Automation	45 min	1 min 56 sec	23X	1 hr 45 min	3 min 32 sec	30X
CA Cleanup for CA ACF2	39 min	1 min 52 sec	21X	1 hr 22 min	3 min 22 sec	24X
CA Copycat	37 min	2 min 1 sec	18X	1 hr 20 min	3 min 15 sec	25X
CA Deliver™	36 min	2 min 17 sec	16X	1 hr 17 min	5 min 36 sec	14X
CA Endeavor SCM	55 min	3 min 19 sec	17X	2 hr 10 min	11 min 24 sec	11X
CA NetMaster® Suite	1 hr 15 min	6 min 5 sec	12X	3 hr 20 min	21 min 58 sec	9X
CA SYSVIEW® Performance Management	1 hr 40 min	4 min 16 sec	23X	5 hr 10 min	13 min 42 sec	22X
CA TPX	43 min	3 min 41 sec	12X	1 hr 10 min	11 min 1 sec	6X
CA View	58 min	6 min 19 sec	9X	2 hr 40 min	13 min 55 sec	12X
Totals	9 hrs 3 min	33 min 55 sec	16X	22 hr 44 min	93 min 30 sec	15X

93% productivity increase using CA MSM for Deployment!

Source: CA Technologies Lab Results

CA MSM demo

The screenshot shows the CA Mainframe Software Manager web application running in Internet Explorer. The browser title is "CA Mainframe Software Manager - Main Window - Software Status - Windows Internet Explorer". The address bar shows the URL: <http://usilca31.ca.com:39465/MSM/M5MMMain.html#TabShow/Main/swcatstatus>. The page header includes the CA logo and the text "CA Mainframe Software Manager". Below the header, it indicates the user is logged in as "LUFDA02" with a "Log Out" link. A navigation menu contains tabs for "Software Status", "Software Catalog", "SMP/E Environments", "Deployments", "System Registry", "Tasks", and "Settings". The "Software Status" tab is active, displaying three main sections: "New Maintenance", "SMP/E Environments", and "Tasks".

New Maintenance (Refresh)

- Warning:** There are 394 new HIPERs for 56 products. [View Details](#)
- Warning:** 5218 new maintenance items are available for 86 products. [View Details](#)

SMP/E Environments (Refresh)

- Information:** There are no SMP/E environments with missing HIPERs.
- Information:** There are no SMP/E environments with missing maintenance.

Tasks (Refresh)

- Information:** You have no active downloads, installations or deployment tasks.
- Information:** There are no tasks awaiting your input.
- Warning:** There are 46 tasks in error. [View Tasks Status](#)

Quick Actions

- SMP/E Environment**
[Migrate an Existing CSI](#)
- Miscellaneous**
[View CA Support Online Credentials](#)
[CA Support Online for CA MSM](#)
[CA MSM Compliant Product Matrix](#)

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products integrated with CA MSM

<http://support.ca.com/prodinfo/msmprods>

CA MSM Enabled Products
page on CA Support Online.
Over 120 deployable products
across all major product
families

Support > Support By Product

Support

Home

Support By Product

Download Center

Documentation

Licensing

CA Tech Insider Subscriptions

Compatibilities

Contact and Resources

CA Programs

login register My CA

products communities & insights services, education & support partner

CA Mainframe Software Manager Enabled Products

Last Updated: July 19, 2010

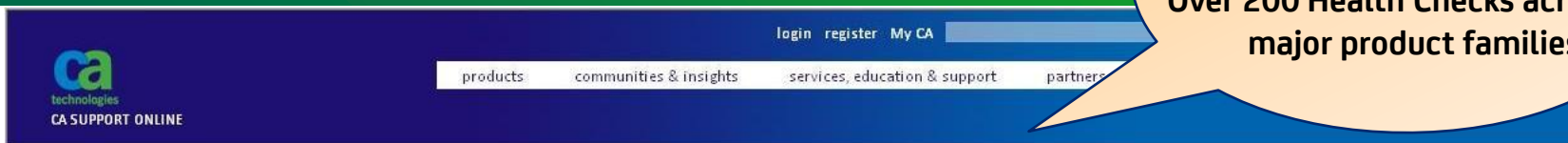
CA Mainframe Software Manager, which automates product installation and maintenance, removes SMP/E complexities and enables easier management of your CA products for z/OS. The following products are currently available to be acquired, installed and maintained using the web-based user interface of CA Mainframe Software Manager (CA MSM):

Product	MSM r2.0 (Product Acquisition, Software Installation and Maintenance)	MSM r3.0 (Deployment, Product Acquisition, Software Installation and Maintenance)
CA 1 Copycat Utility	11.0 SP3	12.0 (via CA Copycat)
CA 1 Tape Management	11.5 SP5	11.5 SP6 and 12.0
CA 1 Tape Management Copycat Utility	11.0	11.5 SP6 and 12.0
CA 7 Workload Automation	11.1 and 11.3	11.1 and 11.3
CA 11 Workload Automation Restart and Tracking	3.0 and 11.0	3.0 and 11.0
CA ACF2 for z/OS	14.0	14 SP1 and 15.0
CA ACF2 Option for DB2	1.2 SP3	1.2 SP3 and 1.3 SP0
CA AION Business Rules Expert	11.0	11.0
CA Allocate DASD Space and Placement	12.0 SP1, 12.0 SP2 and 12.5	12.0 SP2 and 12.5
CA Auditor for z/OS	12.0 SP1 and 12.1 SP0	12.0 SP1 and 12.1 SP0
CA Bind Analyzer for DB2 for z/OS	12.0 and 14.0	14.0
CA Cleanup for ACF2	12.0 and 12.1	12.0 and 12.1
CA Cleanup for RACF	12.0 and 12.1	12.0 and 12.1
CA Cleanup for Top Secret	12.0 and 12.1	12.0 and 12.1
CA CMDB Connector for z/OS	1.0	1.0

health checks for CA products

<http://support.ca.com>

Health Checks page on CA Support Online.
Over 200 Health Checks across all major product families



Support > Support By Product

Support

Home

Support By Product

Download Center

Documentation

Licensing

CA Tech Insider Subscriptions

Compatibilities

Contact and Resources

CA Programs

[Print](#)

Health Checks for CA Products

As part of the CA Mainframe 2.0 initiative, many CA products are providing health checks that run under the IBM Health Checker for z/OS. The Health Checker is a base component of z/OS that identifies potential problems before they impact availability or cause outages.

CA product health checks continuously monitor the active system environment to ensure CA solutions are optimally configured, alerting customers to any potential problems so they can be repaired before they impact work on the system. Specifically, checks:

- validate that best practices are being followed
- check that recommended product parameter settings are in use
- monitor product resources to ensure they remain at or below predefined thresholds
- verify that recent product enhancements are being utilized to ensure maximum return on the customer's investment in CA technology

CA health checks are written by product developers and included with the product, weaving expert product configuration knowledge directly into the software. With the capability of CA products to inspect themselves, customers no longer need to deploy staff with specialized CA product skills - to confirm that CA products are working optimally; customers merely need to ensure that no health check exceptions are present.

The following are required to run CA product health checks:

1. z/OS 1.8 or higher
2. The IBM Health Checker for z/OS must be active on the system
3. The CA Health Check Common Service feature must be installed (see [R105071](#) for details)
4. The level of the CA product that delivers health checks must be installed

The following table shows CA products that provide or will soon provide health checks and the level of the product required to obtain the health checks.

CA 1 Tape Management	r11.5 SP5
CA 11 Workload Automation Restart and Tracking	r11
CA 7 Workload Automation	r11.3
CA ACF2 for z/OS	r14
CA Allocate DASD Space and Placement	r12 SP1
CA CMDB Connector for z/OS	r1
CA Common Services for z/OS & OS/390	r12
CA Database Management Solutions for IMS for z/OS	r12 plus PTF UTSA014
CA Datacom	r12

CA Mainframe Stack and CA Recommended Service (CA RS)

CA Mainframe Stack

- Technologies delivered on a yearly basis, certified for interoperability with:
 - CA Technologies products
 - Latest release of IBM z/OS
 - Latest release of major z/OS Subsystems and middleware
- Serviceability standards
- Unified, standardized CA Technologies software lifecycle delivery
- Increased quality on day one

CA Recommended Service (CA RS)

- A new way for customers to perform preventive maintenance
- Aligns with IBM Recommended Service Upgrade (RSU)
- Provides customers with a way to manage risk while keeping their software environment up-to-date
- Planned for October 2010

May 2010 – product families in the CA Mainframe Stack

CA 1 [®] Tape Management	CA DB2 for z/OS Tools r12 and r14	CA Librarian [®]	CA Tape Encryption
CA 7 [®] Workload Automation	CA Database Management Solutions for DB2 for z/OS	CA MIM [™] Resource Sharing	CA Telon [®] Application Generator
CA 11 [™] Workload Automation	CA Disk [™] Backup and Restore	CA NetMaster [®] Products	CA TLMS [®] Tape Management
CA ACF2 [™] for z/OS	CA Dispatch [™]	CA OPS/MVS [®] Event Management and Automation	CA Top Secret [®] for z/OS
CA Aion [®] Business Rules Expert	CA Easytrieve [®]	CA Optimizer [®] /II	CA TPX [™] Session Management
CA Allocate [™] DASD Space and Placement	CA Encryption Key Manager	CA PanAPT [®]	CA Vantage [™] Storage Resource Management
CA Auditor for z/OS	CA Endeavor [®] Software Change Manager	CA Panvalet [®]	CA Verify [®] Automated Regression Testing
CA Cleanup for z/OS	CA ESP Workload Automation	CA PDSMAN [®] PDS Library Management	CA Deliver [™]
CA CMDB Connector for z/OS r1	CA File Master [™] Plus	CA Report Facility	CA Vtape [™] Virtual Tape System
Common Services	CA Gen	CA SMF Director	CA XCOM [™] Data Transport [®]
CA Compliance Manager for z/OS	CA InterTest [™]	CA Spool [™]	CA View [®]
CA Copycat Utility	CA JARS [®] Resource Accounting	CA SymDump [®]	
CA Datacom [®] r12	CA JCLCheck [™] Workload Automation	CA SYSVIEW [®] Performance Management	

technology planned for delivery in 2011

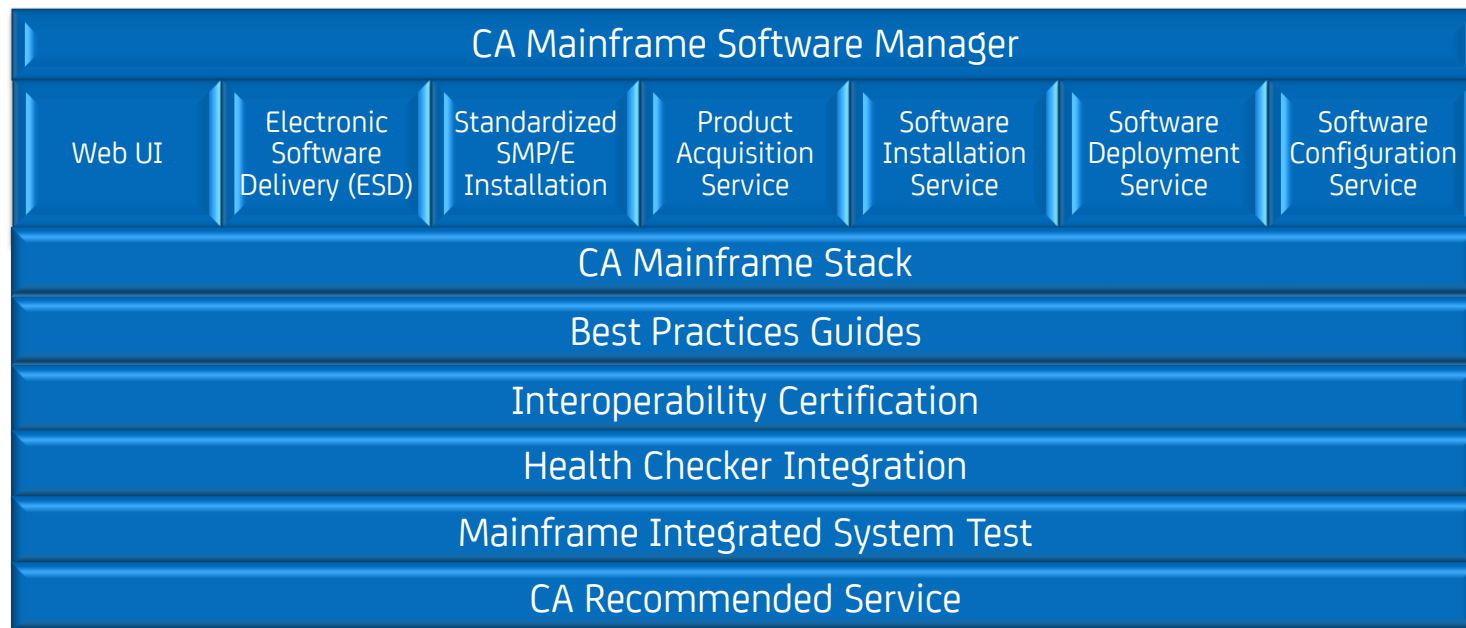
CA Mainframe Stack and CA MSM r4.0

Promises Made

Simplify Management

Promises Kept

CA Mainframe Software
Manager



CA Mainframe Chorus extending the Mainframe 2.0 vision



what's your plan?

- Sustain critical skills and enable next generation mainframer
- On-ramp to mainframe mastery is long & steep
- “Net Generation” thinks and works differently



**Pioneers
of IT**

**Next
Generation**

CA Technologies approach an integrated approach



Best & brightest talent from
CA Technologies



Studied best-in-class
user-centric technology



Collaborated and
co-designed with
our customers

introducing CA Mainframe Chorus program, design and interaction approach

Program

- Appeal to non-mainframe IT professionals

Objectives:

- Boost productivity of current mainframe experts

Design

- Engaged with external industrial design firm

Principles:

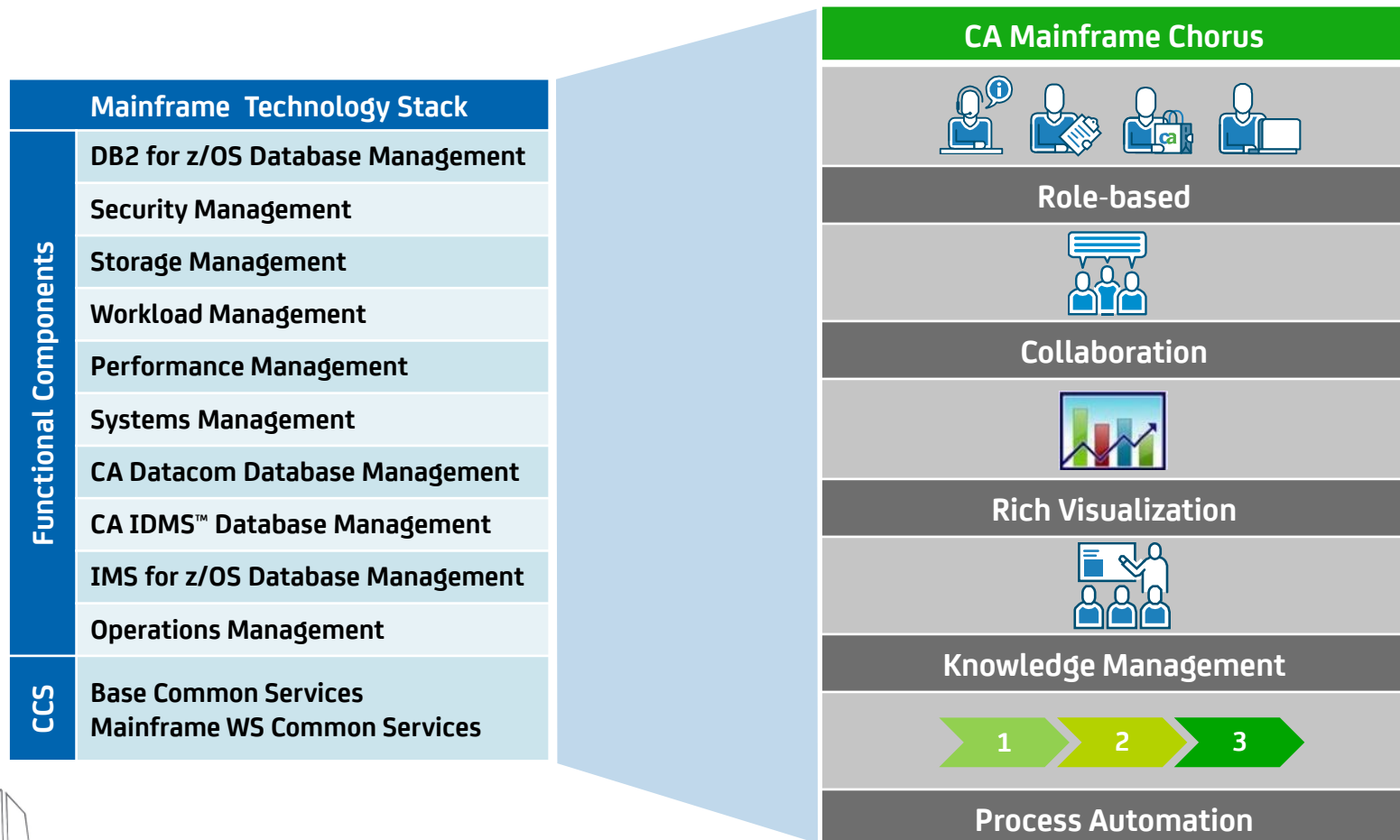
- Immersive research process with our customers (co-design/development)

Interaction Model:

- Next generation management paradigm with:
 - Customizable workspaces
 - De-siloed applications
 - Contextual actions
 - Drill through attributes
 - Utilities in context
 - Data visualization
 - Collaboration

what is CA Mainframe Chorus?

- Object-oriented workspace, with a new role-based interaction model that incorporates rich features and data visualization and leverages CA Technologies product portfolio as a single bank of features and functions



CA Mainframe Chorus enhancing mainframe productivity

- A new and fundamentally different user interaction model
 - Based on **how people do their jobs**, *not how they use specific products*
 - Provides rich features and data visualization in a web-based workspace

```
----- ISPF/PDF PRIMARY OPTION MENU -----
OPTION  ==>  -
0  ISPF PARMS - Specify terminal and user parameters      USERID - DANDA06
1  BROWSE     - Display source data or output listings    TIME     - 10:22
2  BDT       - Create or change source data              TERMINAL - 3270
3  UTILITIES - Perform utility functions                  PE KEYS  - 24
4
5
6
7
8
9
-----
SYSVIEW 12.5 CA31 ----- ACTIVITY, System Activity ----- 03/31/10 10:32:49
Command ==>
----- Lvl 3 Row 1-10/12 Col 1-79/451 -----
(r) IP% IIP% CP% ...50..100 -Condition- ---Ready-- --Paging-- -Storage-
CPU 0% 0% 25% NoEMO SMP ASIDS 4 1115 33 PSQA 32
LCPU 2% 0% 25% PBS NoWTC Tasks 4 Rate 0 PSQA 70%
Spool 67% NoEMF NoTAP ---I/O--- AFOA 1.02m SOA 74%
Rate 10186 UICA 3170 ISSA 95%
-----
Formats
Status r14 CA Database Management Solutions for DB2 for z/OS 2010/03/30 13:45
-----
OPTION ==>
-----
X Cmd Job DB2 SSID ==> SSID LOCATION ==> LOCAL DB2 VERSION:-----
PTX ACM ==> OFF ACMID ==> DANDA06 SQLID ==> DANDA06
PTX <-> Backup and Recovery <-> Report Facility
PTX LA Log Analyzer R Report Facility Menu
PTX MM Merge/Modify
PTX Z Recovery Analyzer <-> Utilities
PTX U DB2 Object Manager
PTX <-> Database Administration <-> Value Pack
PTX PK Partition Expert B Batch Processor
PTX 1 RC/Query C DB2 Command Processor
PTX 2 RC/Migrator I Interactive SQL
PTX 3 RC/Update M Alt. Catalog Mapping
PTX 4 RC/Secure TT Thread Term/Dynam DSNZPARM
PTX 5 RC/Extract Y Utility Manager
PTX 6 RI Manager
PTX <-> Gener A
PTX A PT367I: PLEASE CHOOSE AN OPTION FROM THE LIST SHOWN.
-----
```



CA Mainframe Chorus

My Workspace DB2 Security Workload

Simon Romero (LOGOUT)

SLA PERFORMANCE-RES. APPLICATION-DSPAYROLL

Uptime 99.999% CPU 84.701%

MEM 23 CPU 3 DISK 0

SEV	SSID	DESCRIPTION	CREATED
5	DBP1	REMOTE SQL statements over 1 sec...	14:48:01 - Today
4	DBP1	Average number of updates per page wr...	11:13:58 - Today
4	DBP1	Average number of updates per page wr...	12:43:24 - Today
4	DBP1	Average number of pages written per wr...	10:21:51 - Today
3	DBP1	DBP1 DB2 subsystem Exception Created New...	09:53:42 - Today
3	DBP1	Average number of updates per page wr...	09:53:42 - Today

Threshold OK: SEC_F104
Access levels are below thresholds for 128 Items monitored.

Name	Shared	Created	Author
REORG HR tables	Not Shared	Today	Simon Romero
Add column on Emp	Not Shared	Today	Simon Romero
Alter Employee table	Shared	Today	Ted Smith
View SQL for DBPav	Shared	Today	Chris Phillips
View all Statements	Not Shared	Today	Simon Romero
Add column on DBP	Not Shared	Today	Simon Romero

PROTOTYPE

CA Mainframe Chorus Demo



CA Mainframe Chorus
Technologies

Simon Romero (LOGOUT)

My Workspace ▾ DB2 ▾ Security ▾ Workload ▾ +



SEV	SSID	DESCRIPTION	CREATED
5	DBP1	REMOTE SQL statements over 1 seco...	14:48:01 - Today
1	DBP1	Average number of updates per page wr...	11:13:58 - Today
2	DBP1	Average number of updates per page wr...	12:43:24 - Today
4	DBP1	Average number of pages written per wri...	10:21:51 - Today
3	DBP1	DB2 is taking too few checkpoints. The...	09:53:42 - Today
5	DBP1	New Subsystem Exception Created New...	09:53:42 - Today
5	DBP1	Average number of updates per page w...	09:53:42 - Today

Name	Shared	Created	Author
REORG HR tables	Not Shared	Today	Simon Romero
Add column on Emp	Not Shared	Today	Simon Romero
Alter Employee table	Shared	Today	Ted Smith
View SQL for DBPayr	Shared	Today	Chris Philips
View all Statements	Not Shared	Today	Simon Romero
Add column on DBP:	Not Shared	Today	Simon Romero

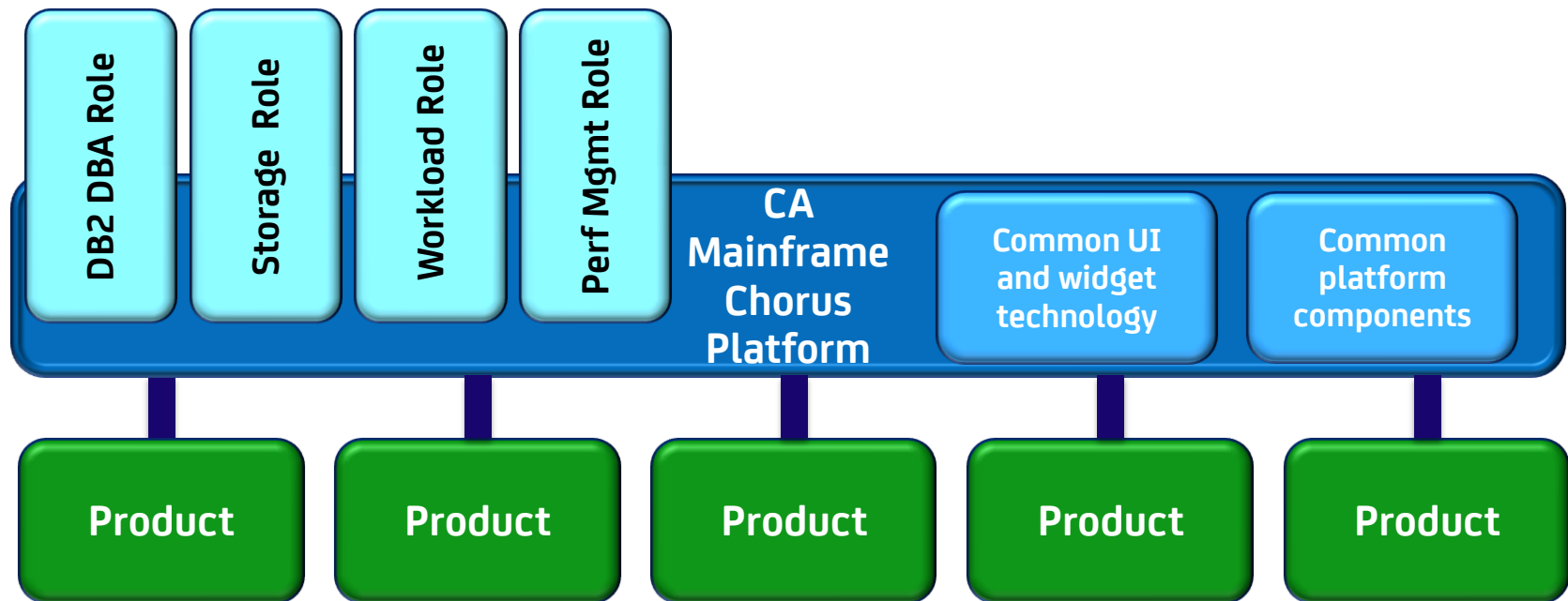
OK
Threshold OK: SEC_F104
Access levels are below thresholds for 128 items monitored.
[View Details](#)

NOTES	REF	CREATED
Tuning and Monitoring DB.Payroll	Reference	14:48:01 - Today
Queries for Optimal system performa...	Reference	11:13:58 - Today
Deep Compression test	Reference	12:43:24 - Today
Minimizing Planned system down time	Reference	10:21:51 - Today
Monitoring System Index	Reference	09:53:42 - Today
Improving Data Server performance	Reference	09:53:42 - Today

Prototype

architecture

- Create new role-based products, including a modern workspace that leverages the best of the mainframe portfolio.



CA Mainframe Chorus

workspace and DB2 database management role features

CA Mainframe Chorus Workspace

- Rich visual presentation
- Third party integration
- Smart Objects intelligent interface
- Process capture “wizards”
- Collaboration tools

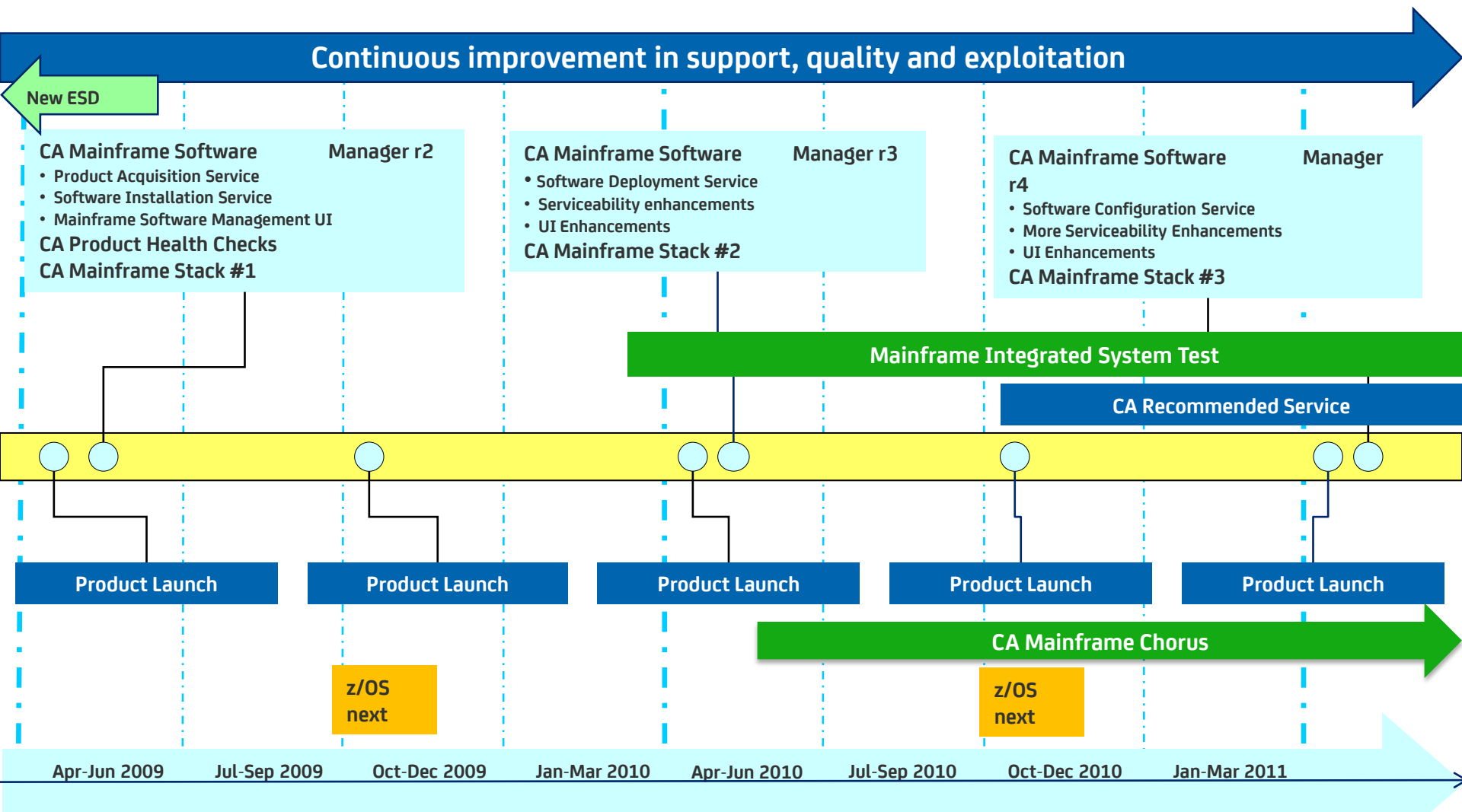
DB2 Database Management Role

- Time series data graphing
- Object-based navigation and management
- Alerts on DB2 threshold exceptions
- DB2 Knowledge Center
- Real time performance data

CA Mainframe Chorus for DB2 Database Management

- Unique user experience for DB2 for z/OS database administration
- Harmonizes the different tools and processes required to accomplish daily database management tasks
- Leverages seven of CA Database Management products
 - CA Detector for DB2 for z/OS
 - CA Insight Performance Monitor for DB2 for z/OS
 - CA Plan Analyzer for DB2 for z/OS
 - CA Subsystem Analyzer for DB2 for z/OS
 - CA RC/Migrator for DB2 for z/OS
 - CA RC/Query for DB2 for z/OS
 - CA RC/Update for DB2 for z/OS
- **Open for beta testing:** ca.com/mainframe/chorus

delivering on Mainframe 2.0



summary

Control Costs

- Significant increase productivity of mainframe staff and reduced TCO
- Improve “Out-of-the-Box Experience” for CA mainframe products – less training required
- Minimize cost due to errors
- Maximize the overall usability and value of the z/OS platform

Sustain Critical Skills

- The “smarts” in the software
- Make routine tasks simple, freeing up bandwidth for more strategic initiatives
- “Getting it right” should not be left to chance
- Speed and accuracy are most important

Increasing Agility

- Automate and speed routine software maintenance tasks allowing greater responsiveness to business
- Making it possible to shift from maintenance to exploitation

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Q&A



thank you



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