

# IBM zSecure V1.13

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SWG Client Technical Professional

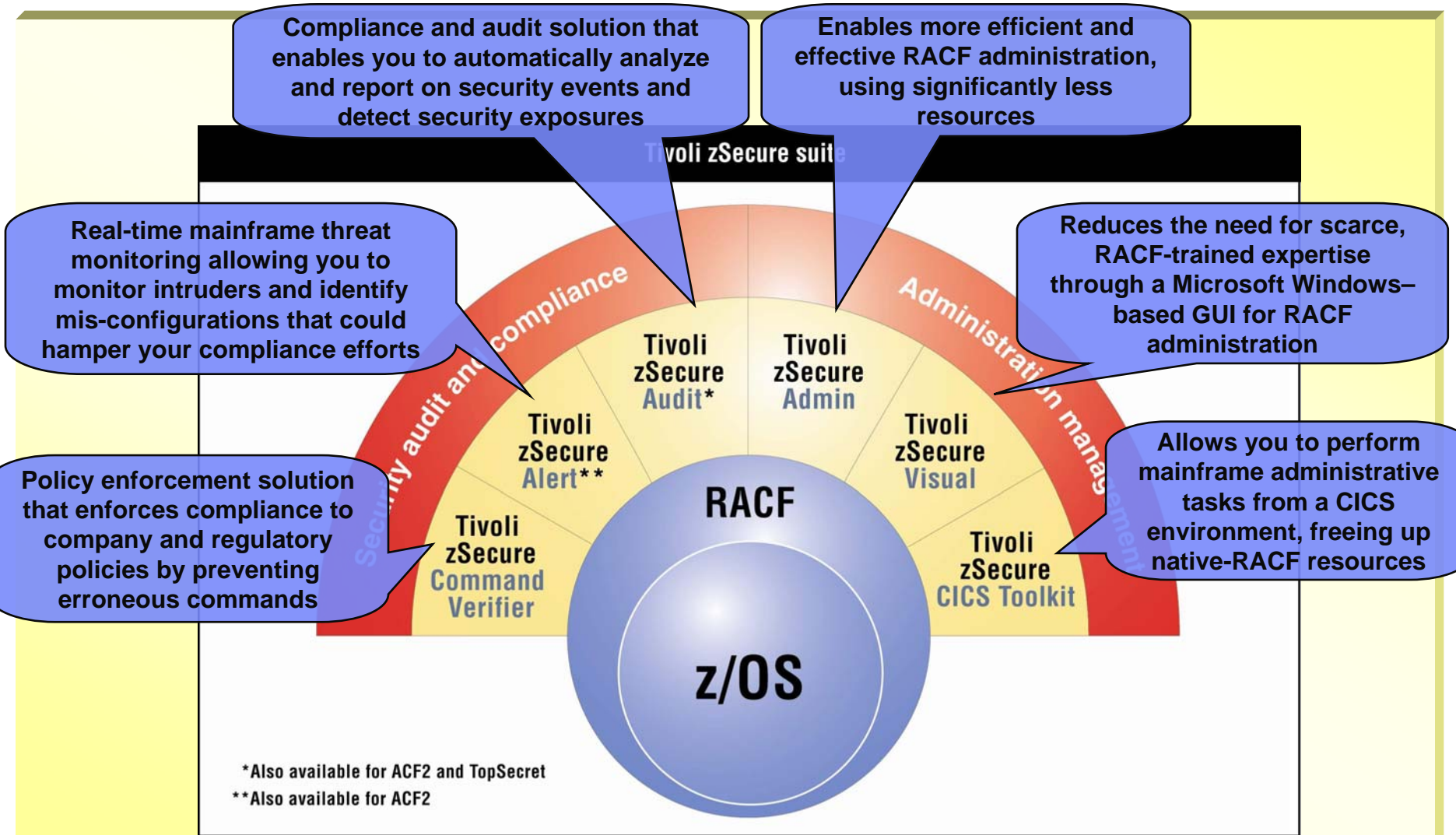
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## zSecure 1.13

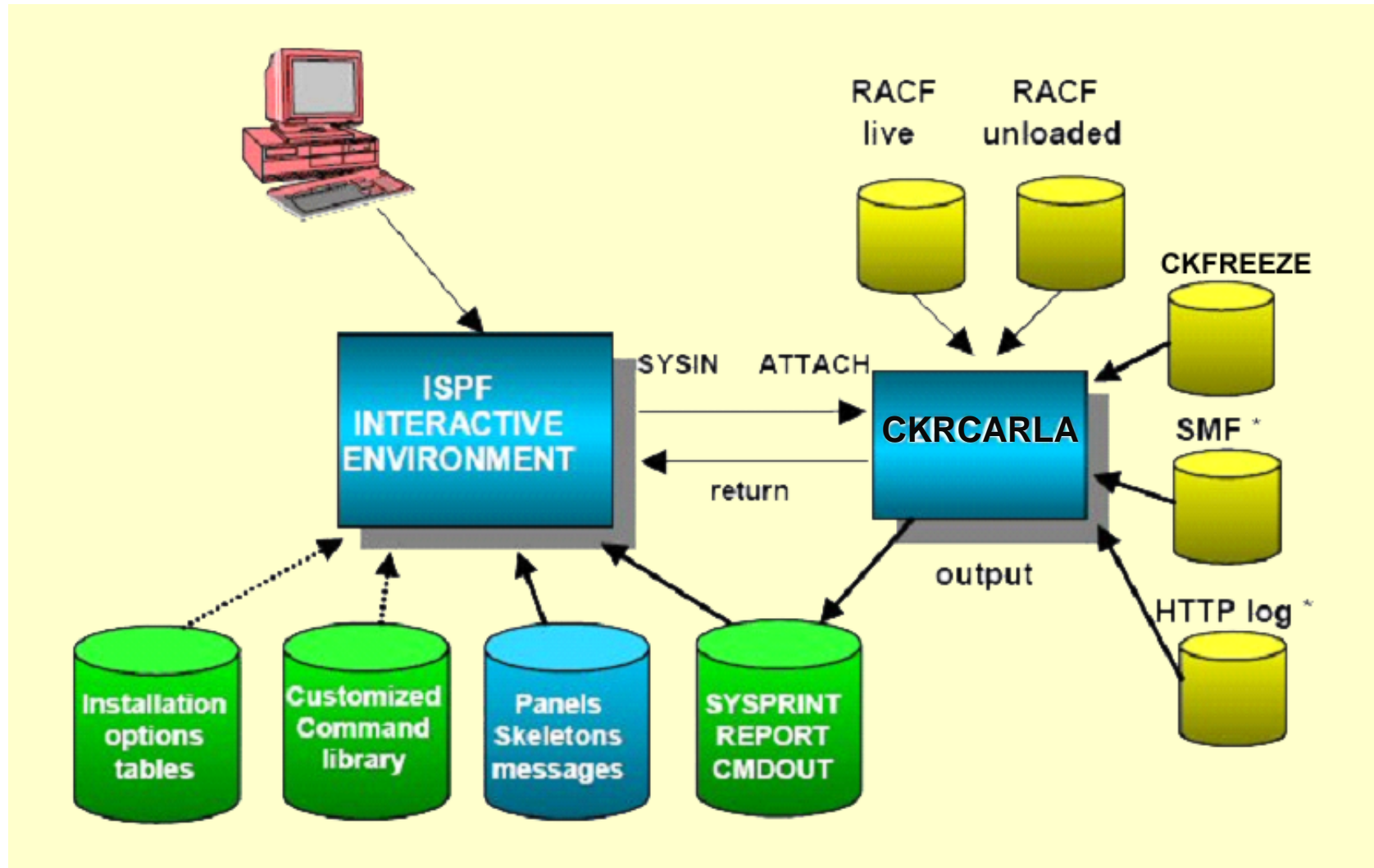
- **Announcement on October 4, 2011**
- **Availability in November, 2011**
- **Designed for use with z/OS 1.13**
  - Also runs on z/OS release 1.9 – 1.12
  - Use of 64 bit hardware functions
  - No new release of zSecure Manager for RACF z/VM this year
- **Extend the scope of zSecure to transaction and data managers**
- **Access monitor extensions**
- **User interface improvements**
- **RACF Offline**
- **zSecure Visual**
- **zSecure Command Verifier**

# Introducing the IBM Tivoli zSecure Suite



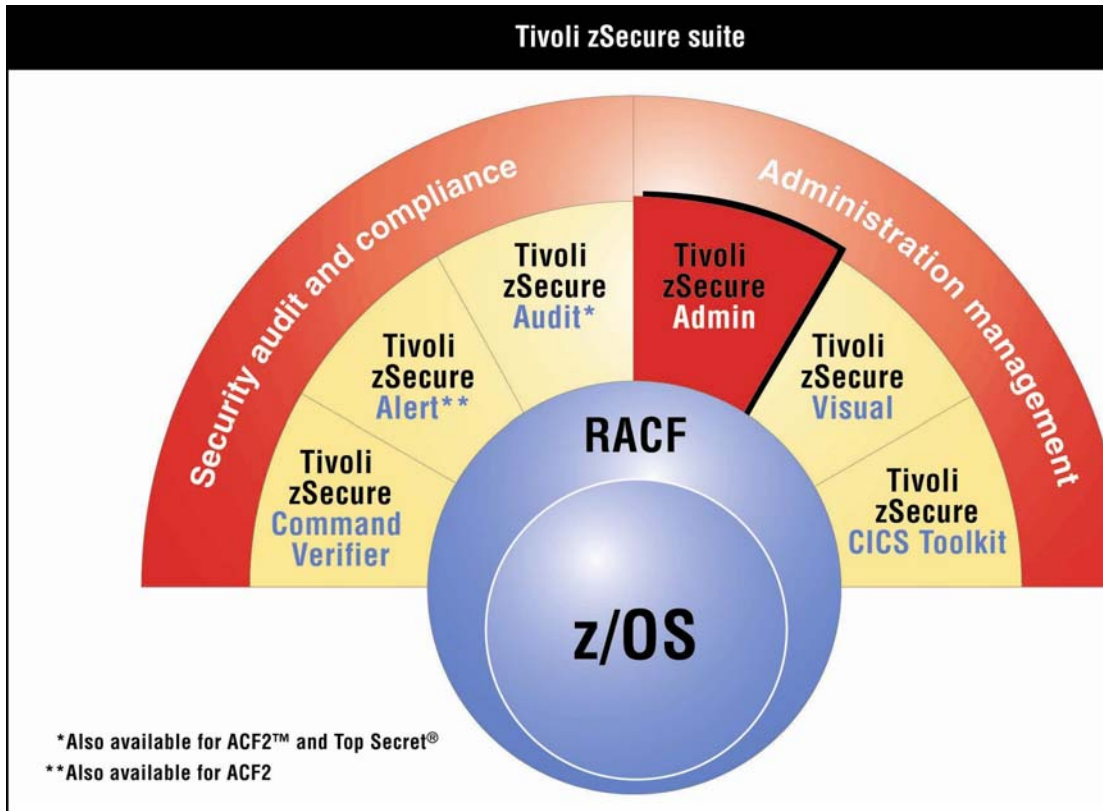
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# zAdmin, zAudit, zAlert architectural view



# zSecure Admin

Enables more efficient and effective RACF administration, using significantly less resources



- Highlights:**
- Automate routine tasks to simplify administration
  - Identify and analyze problems to minimize threats
  - Merge databases quickly and efficiently
  - Display data from the active (live) RACF database
  - Integrates smoothly with IBM Tivoli zSecure Audit

\*Also available for ACF2™ and Top Secret®

\*\*Also available for ACF2



## RACF Administration is Now User Friendly

zSecure RACF USER overview

1 s elapsed, 0.0 s CPU

Command ==&gt;

Scroll==&gt; CSR

Users like ZP\*

6 Apr 2007 15:45

User	Complex	Name	DfltGrp	Owner	RIRP	SOA	gC	LCX	Grp
ZPU001	MVST	BANKING USER 1	ZPDEPT31	ZPDEPT31				X	2
ZPU002	MVST	BANKING USER 2	ZPDEPT31	ZPDEPT31				X	2
ZPU003	MVST	BANKING USER 3	ZPDEPT31	ZPDEPT31				X	2
ZPU004	MVST	BANKING USER 4	ZPDEPT31	ZPDEPT31				X	2
ZPU005	MVST	BANKING USER 5	ZPDEPT31	ZPDEPT31				X	1
ZPU006	MVST	BANKING USER 6	ZPDEPT31	ZPDEPT31				X	2
ZPU007	MVST	BANKING USER 7	ZPDEPT31	ZPDEPT31				X	2
ZPU008	MVST	BANKING USER 8	ZPDEPT31	ZPDEPT31				X	1
ZPU009	MVST	BANKING AUDITOR	ZPDEPT31	ZPDEPT31			g	X	3
ZPU011	MVST	HR USER 1	ZPDEPT32	ZPDEPT32				X	2
ZPU012	MVST	HR USER 2	ZPDEPT32	ZPDEPT32				X	2
ZPU013	MVST	HR USER 3	ZPDEPT32	ZPDEPT32				X	3
ZPU014	MVST	HR USER 4	ZPDEPT32	ZPDEPT32				X	3
ZPU015	MVST	HR USER 5	ZPDEPT32	ZPDEPT32				X	3
ZPU016	MVST	HR USER 6	ZPDEPT32	ZPDEPT32				X	3
ZPU017	MVST	HR USER 7	ZPDEPT32	ZPDEPT32				X	3
ZPU018	MVST	HR USER 8	ZPDEPT32	ZPDEPT32				X	2
ZPU019	MVST	HR AUDITOR	ZPDEPT32	ZPDEPT32			g	X	3
ZPU031	MVST	IT SPECIALIST 1	ZPDEPT33	ZPDEPT33				X	2

## zAdmin: Connected groups, plus other info

```

Session A - [24 x 80]
File Edit View Communication Actions Window Help
Host: 9.212.143.123 Port: 9994 LU Name: Disconnect

zSecure Admin+Audit for RACF USER DELIA overview Line 1 of 67
Users like DELIA 27 Oct 2011 08:04

_ Identification of DELIA ZT01
User name DELIA LA VOLPE IT TI
Installation data
_ Owner SYS1
_ User's default group TIVUSR TIVOLI PRODUCT SE

Group Auth R SOA AG Uacc Revokedt Resumedt InstData
_ TIVUSR USE - - - NONE - - TIVOLI PRODUCT SET
_ ZSEC USE - - - NONE - - ZSECURE GENERAL GRO
_ ZSECADM USE - - - NONE - -
_ ZSECCFG USE - - - NONE - -
_ ZSECUSR USE - - - NONE - -

System access Statistics
Revoked (may be by date) No Creation date 15Mar11
Inactive, revoked or pending No Last RACINIT current connects 27Oct11
Command ==> Scroll==> CSR
F1=HELP F2=SPLIT F3=END F4=RETURN F5=RFIND F6=RCHANGE
F7=UP F8=DOWN F9=SWAP F10=LEFT F11=RIGHT F12=RETRIEVE
*ZSECURE

MA A 21/015
Connected to remote server/host 9.212.143.123 using port 9994

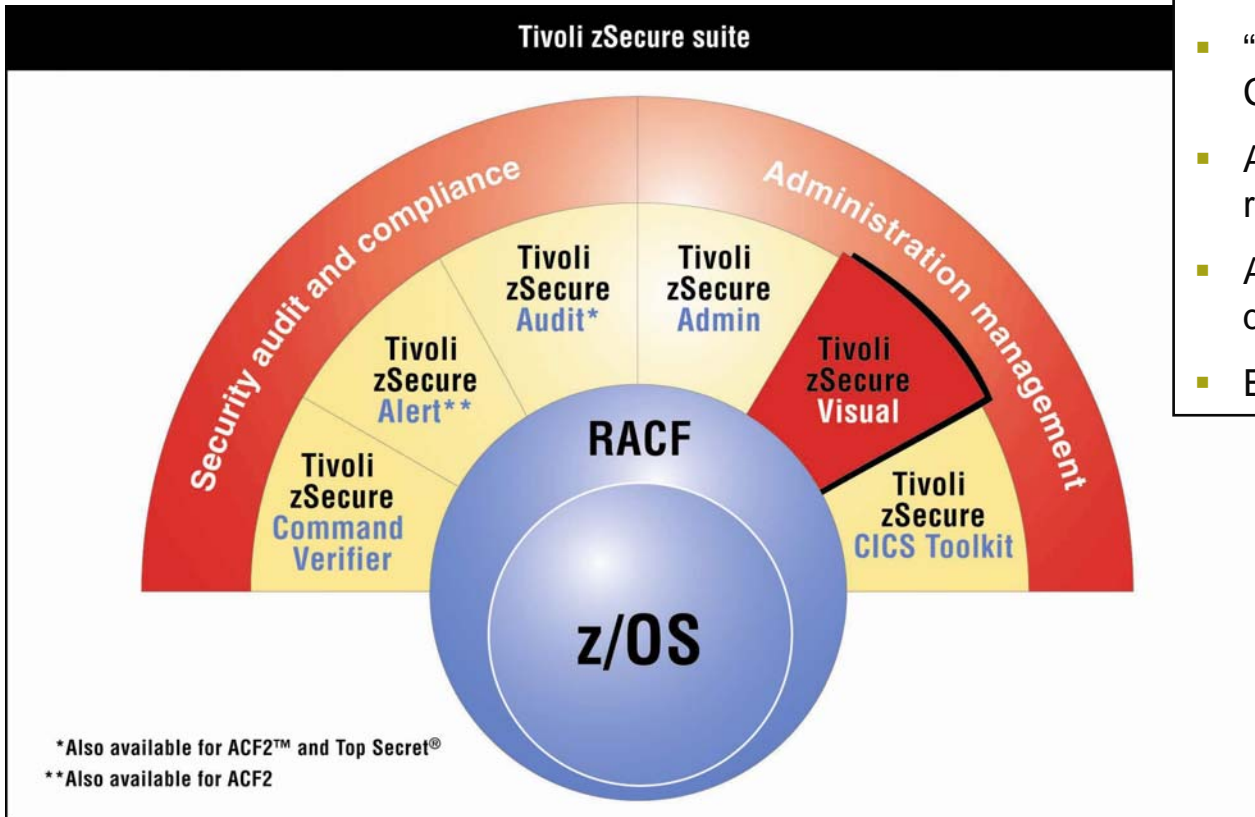
```

# zSecure Visual

Reduces the need for scarce, RACF-trained expertise through a Microsoft Windows–based GUI for RACF administration

**Highlights:**

- Decentralize RACF administration to optimize resources
- “Scope Down” Administrative Capabilities
- Avoid need for TSO/ISPF rollouts
- Administer from a live RACF database
- Easy Cloning of user templates



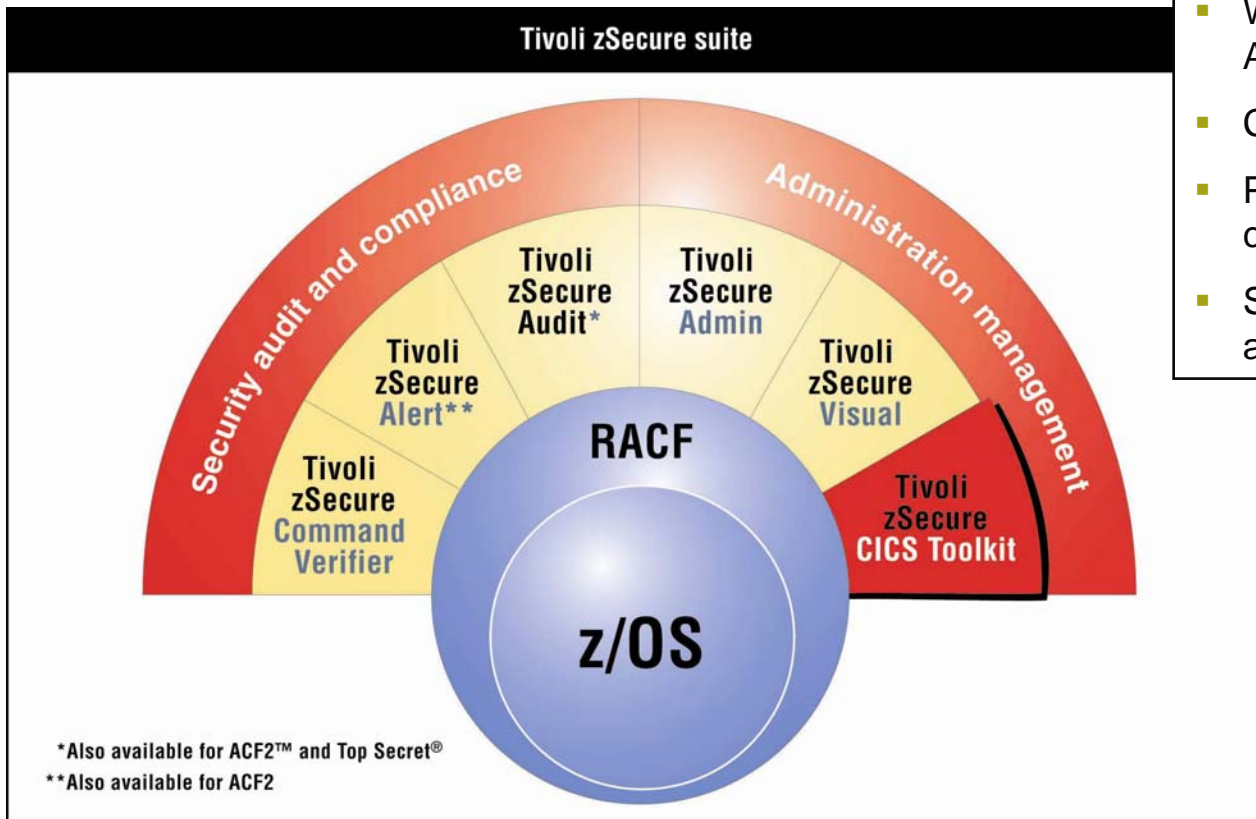


# zSecure CICS Toolkit

Allows you to perform mainframe administrative tasks from a CICS environment, freeing up native-RACF resources

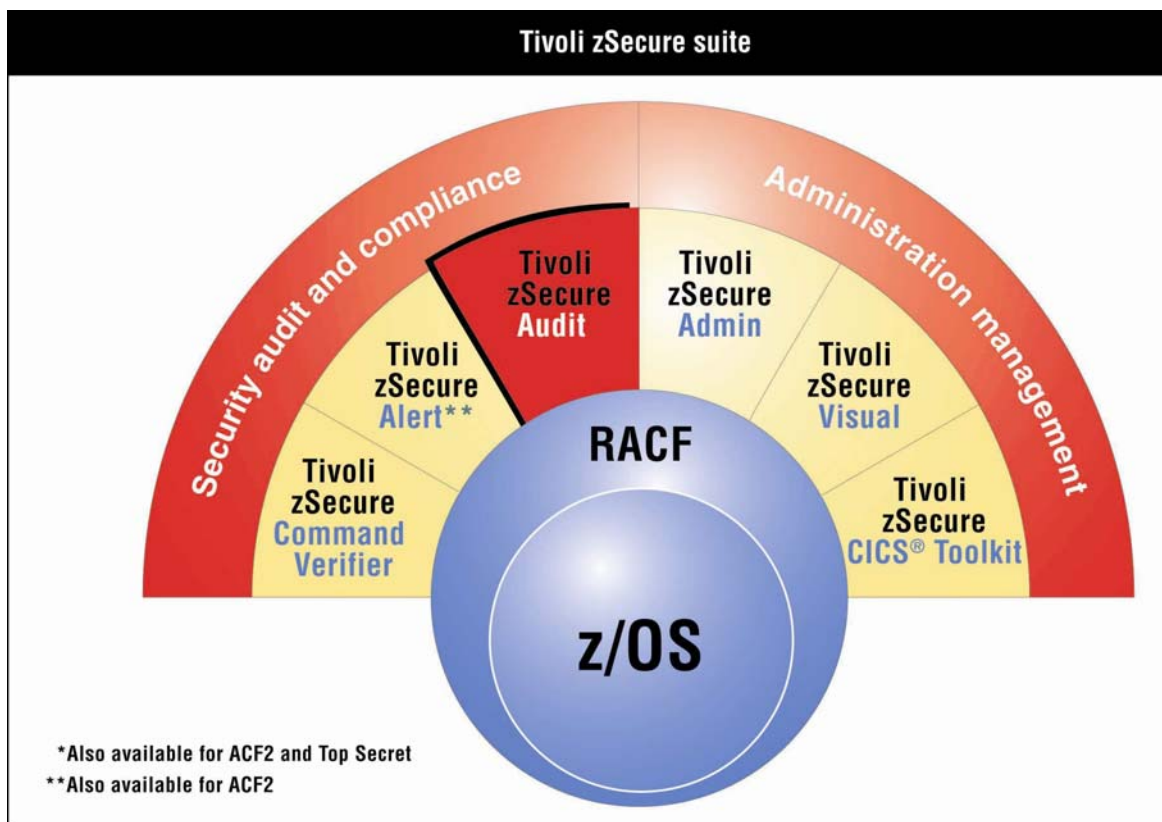
**Highlights:**

- RACF administration from a CICS interface
- Web-enablement CICS-RACF API
- Customize screens
- Perform resource access checks
- Support security of legacy applications



# zSecure Audit

Compliance and audit solution that enables you to automatically analyze and report on security events and detect security exposures



## Highlights:

- Live analysis of critical information
- Beyond just z/OS and RACF analysis
- Customize reports to meet specific needs with flexible report and alert language
- Analyze SMF log files to create a comprehensive audit trail
- Analyze RACF profiles and ACF2 entries to get fast answers
- Detect system changes and integrity breaches to minimize security risks
- Track and monitor baseline changes for RACF and ACF2
- Integrated remediation with Tivoli zSecure Admin
- Seamless links to enterprise audit and compliance

# Trusted Userids Report – z/OS Status Audit

```

Session A - [32 x 80]
File Edit View Communication Actions Window Help
Audit concern overview by priority (higher priorities only)      Line 1 of 549
Command ==> _____ Scroll==> CSR
                               18 Sep 2007 15:58

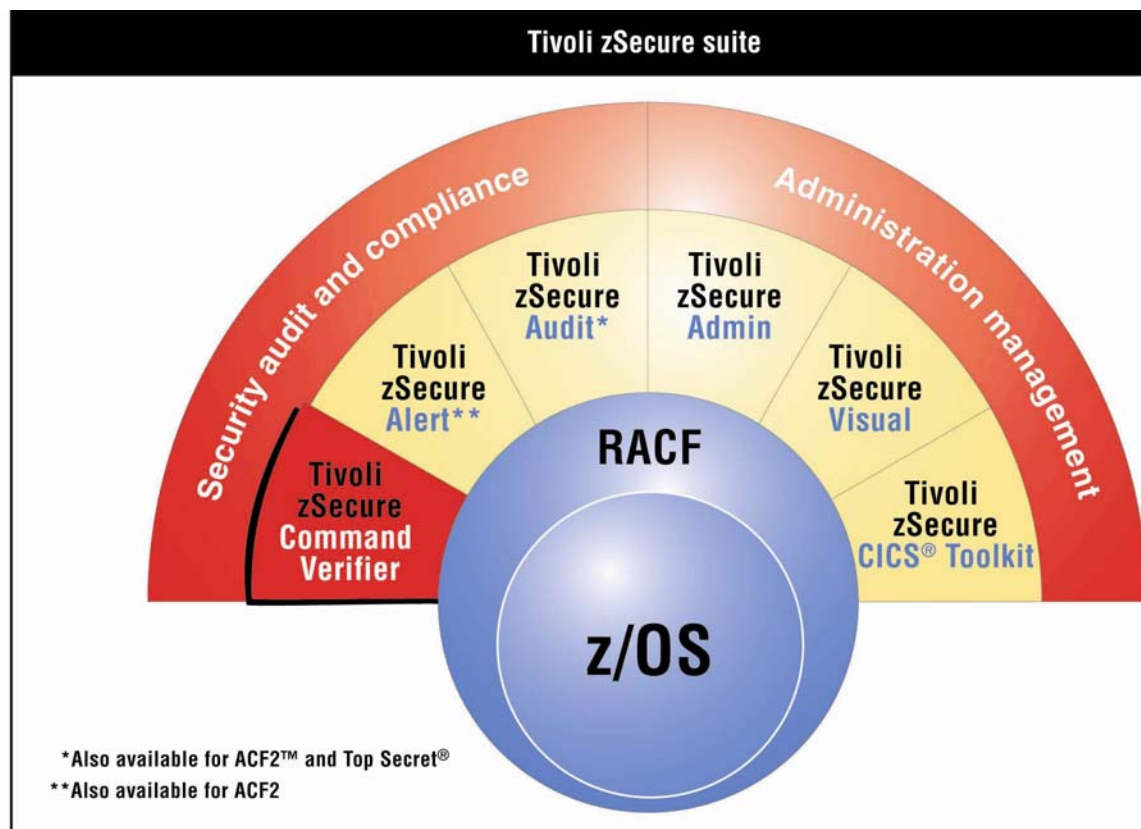
  Pri Complex  Syst Area Key      Audit concern
  ---
  44 ZT01     ZT01 PC   IDISS   01 In caller's private area, Executes author
  44 ZT01     ZT01 PC   TELNET  01 In caller's private area, Executes author
  33 ZT01     ZT01 PC   DB00MSTR 10 In caller's private area, Executes author
  33 ZT01     ZT01 PC   WMQBWSTR 10 In caller's private area, Executes author
  s_ 26 ZT01     ZT01 PPT  ICUMKM11 Bypasses SAF, Executes in system key, Mod
  25 ZT01     ZT01 STOR  00A2A000 Memory region writable by any user
  25 ZT01     ZT01 STOR  11675000 Memory region writable by any user
  25 ZT01     ZT01 STOR  11993000 Memory region writable by any user
  25 ZT01     ZT01 STOR  11994000 Memory region writable by any user
  25 ZT01     ZT01 STOR  11D2B000 Memory region writable by any user
  25 ZT01     ZT01 STOR  12635000 Memory region writable by any user
  25 ZT01     ZT01 STOR  1382C000 Memory region writable by any user
  25 ZT01     ZT01 STOR  13869000 Memory region writable by any user
  25 ZT01     ZT01 STOR  1386A000 Memory region writable by any user
  25 ZT01     ZT01 STOR  1386B000 Memory region writable by any user
  25 ZT01     ZT01 STOR  1386C000 Memory region writable by any user
  25 ZT01     ZT01 STOR  1386D000 Memory region writable by any user
  25 ZT01     ZT01 STOR  139DD000 Memory region writable by any user
  25 ZT01     ZT01 STOR  17CD8000 Memory region writable by any user
  25 ZT01     ZT01 STOR  1841E000 Memory region writable by any user
  25 ZT01     ZT01 SVC   51      Instruction scan hit, SVC scan hit, Calle
  24 ZT01     ZT01 SVC   13      Instruction scan hit, Caller may be unaut
  24 ZT01     ZT01 SVC  233     Instruction scan hit, Updated using SVCUP
  23 ZT01     ZT01 PPT  HASJES20 Bypasses SAF, Executes in system key (IBM
  21 ZT01     ZT01 PPT  BPXVCLNY Bypasses SAF, Modified from IEFSDPPT
  21 ZT01     ZT01 SVC   2       SVC scan hit, Caller may be unauthorized
  20 ZT01     ZT01 CONS  MASTCONS System authority and no logon required
  20 ZT01     ZT01 MSG  ICH70001I RACF message suppressed
  
```

MA a 09/003

Connected to remote server/host 9.212.143.123 using port 9994 \$itviml83-B7-01-13-Vimercate on itviml83

# zSecure Command Verifier

Policy enforcement solution that enforces compliance to company and regulatory policies by preventing erroneous commands

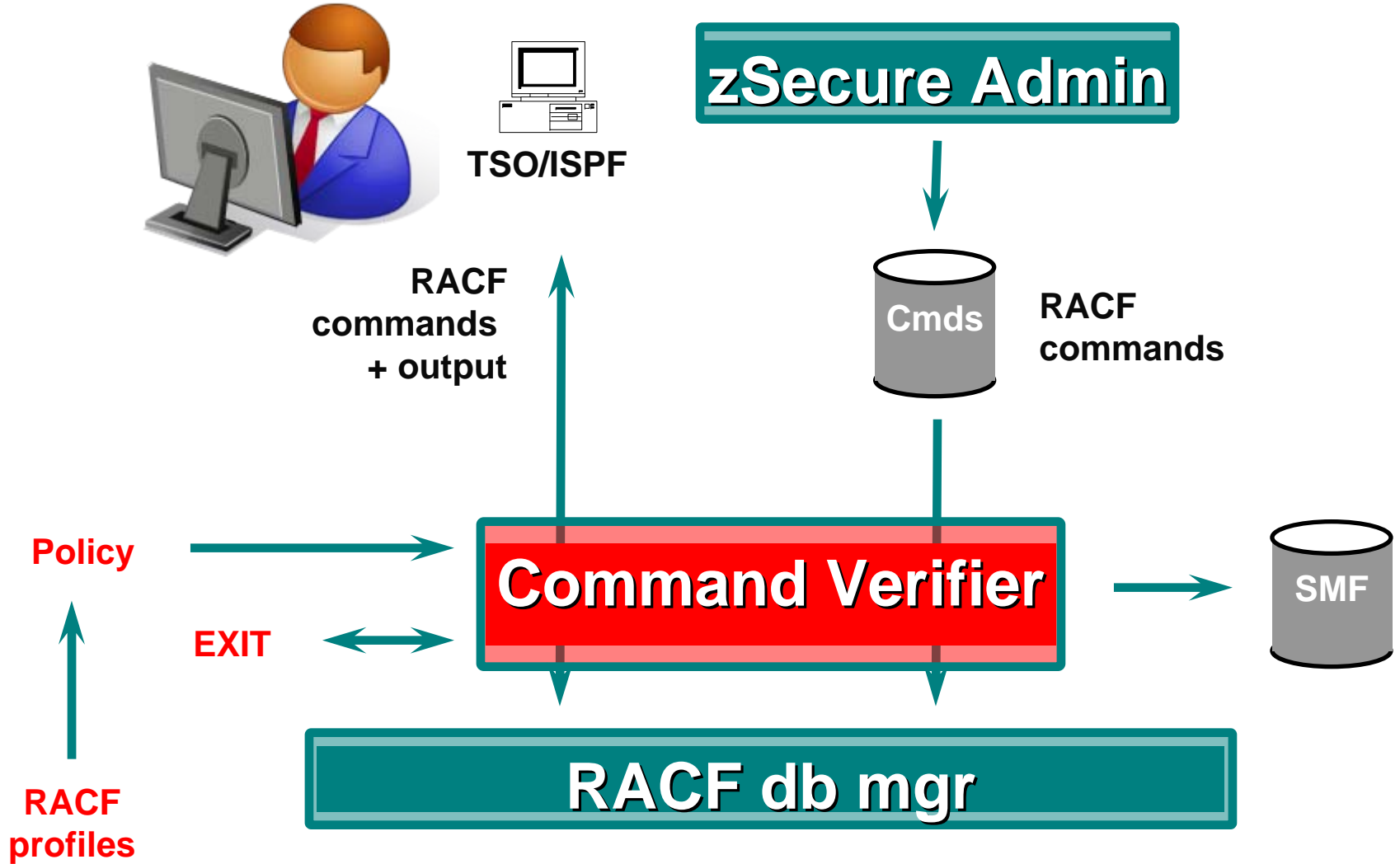


## Highlights:

- Prevent noncompliant administrative command execution
- Supports policy definitions to provide mandatory and default values for which RACF does not provide appropriate defaults
- Command Audit Trail feature stores changes to profiles in the RACF database
- Easy independent installation for use on all systems for which policies must be enforced
- Grant users granular access to specific commands they would normally be unable to access

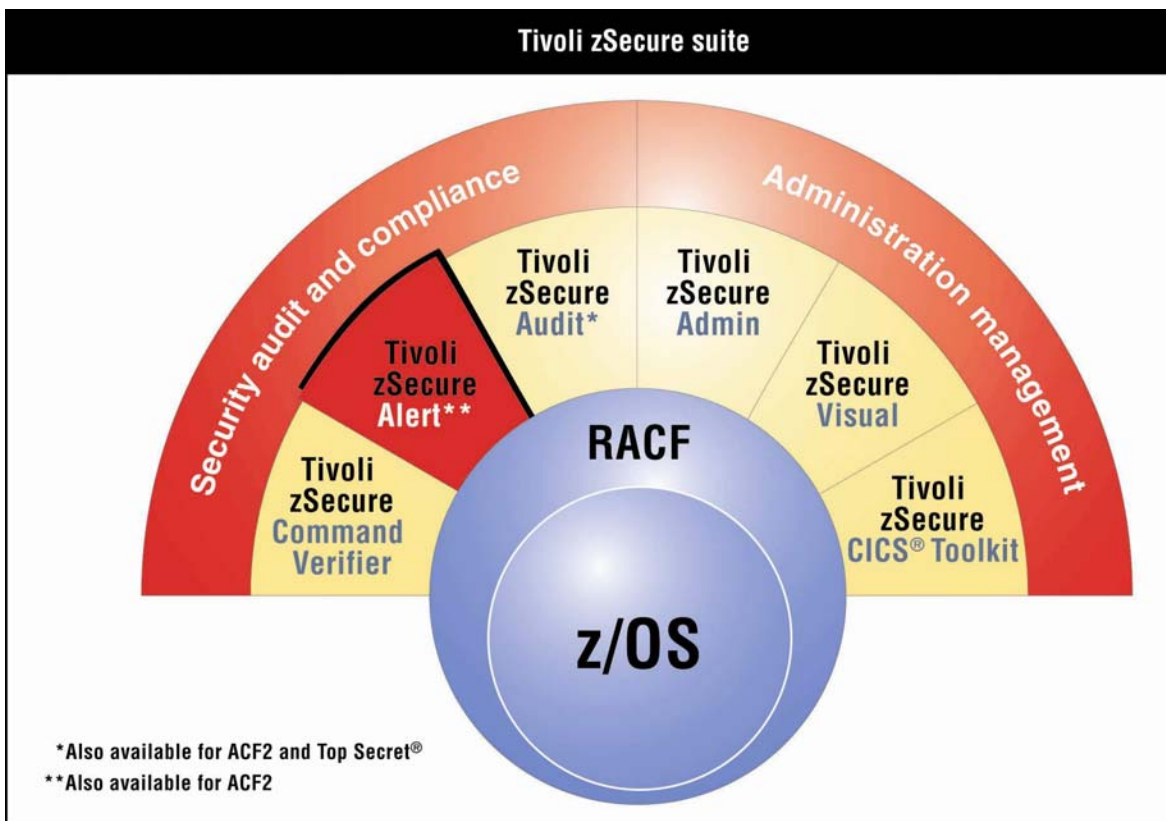


# How zSecure Command Verifier Works



# zSecure Alert

Real-time mainframe threat monitoring allowing you to monitor intruders and identify mis-configurations that could hamper your compliance efforts



\*Also available for ACF2 and Top Secret®

\*\*Also available for ACF2

### Highlights:

- Threat knowledge base with parameters from your active configurations
- Broad range of monitoring capabilities, including monitoring sensitive data for misuse on:
  - z/OS
  - IBM RACF
  - CA ACF2 and
  - z/OS UNIX subsystems.
- Easily send critical alerts to enterprise audit, compliance and monitoring solutions
- Integrated remediation with Tivoli zSecure Admin

## Alerts from zSecure Alert

- **Unwanted logons and attempts**
  - Logon by unknown users
  - Logon with emergency userid
  - UNIX superuser logons
- **User behavior that violates security policy**
  - Password recycling
  - User issued USS command with uid 0, e.g. su
  - Administrator propagates his authority
- **Suspicious activity on the UNIX subsystem**
  - File access violations
  - APF or controlled program attributes assigned
  - Global write or read specified
- **Changes that violate security policy**
  - Addition or removal of system authority
  - Revoking of production userids
  - Excessive universal access granted
  - Disable system security options (SETROPTS)
  - Audit trail disabled
- **Core system resources at risk**
  - Update on a system dataset
  - Dynamic addition of APF dataset
  - SMF buffers becoming full, risking data loss
  - Started task running with unspecified authority

## Reporting for CICS, IMS and DB2

- zSecure Collect extended to retrieve information from CICS, IMS and DB2 servers
  - Data stored in CKFREEZE file
- Reporting via RE menu - Resource

```
zSecure Suite - Main menu
Option ==> re.c_
More +
SE Setup Options and input data sets
RA RACF RACF Administration
AA ACF2 ACF2 Administration
AU Audit Audit security and system resources
RE Resource Resource reports
  I IP stack TCP/IP stack reports
  U Unix Unix filesystem reports
  C CICS CICS region and resource reports
  M IMS IMS control region and resource reports
  D DB2 DB2 region report
AM Access RACF Access Monitor
EU Events Event reporting from SMF and other logs
CO Commands Run commands from library
IN Information Information and documentation
LO Local Locally defined options
X Exit Exit this panel

Input complex: IDFX
```



# CICS region

- Go to menu

```
Option ==>
R   Region
T   Transa
P   Progra
```

```
Command ==>
Show CICS
Jobname .
UTAM applid
SYSIDNT .
Complex .
System .

Advanced se
_ Region s

Output/run
_ Print fo
Back
```

```

CICS region display
Line 1 of 69
Command ==>
Scroll==> CSR
All CICS region records
6 Jun 2011 02:12

Region identification
Complex name          EEND
System name          SYS1
CICS Region job name  CICS41 Jobid STC03306 ASID 003A
CICS Region step name CICS41
VTAM Specific applid  CICSTS41
VTAM Generic applid   CICSTS41
VTAM CICSplex Generic applid
CICS System identification
CICS System release level
Default Userid        CICSUSER      CICS default user  Dfltgrp: SYS1
Region Userid         CICSA          STC default user  Dfltgrp: STCGRP
PLT initialization userid
CICSPLT              Dfltgrp: SYS1

SAF protection settings
Command security      Yes  CCICSCMD  Yes  No
DB2 Entry security    No
Transient Data security
File security         No
Journal security     Yes  JCICSJCT  Yes  No
Started Transaction security
Program security      Yes  MCICSPPT  Yes  No
PSB security          Yes  PCICSPSB  Yes  No
Generic Resource security
Attached Transaction security
Temp. Storage security
Sessions checked in APPCLU
EJBbeans checked in EJBROLE
Users checked in SURROGAT

SAF protection extent
ESM invoked           Yes
Always do CMD checking
Always do RES checking
PSB check remote users
PLT initialization security
Resource Prefix       ALL
EJBROLE Prefix        CICSA.

CICS SVC numbers
Supervisor Call (SVC) Number 216
HPO SVC Number


```

- Go to menu op

```

Command ==>
Show CICS trans
Transaction .
Program . . .
Jobname . . .
VTAM applid .
SYSIDNT . . .
Complex . . .
System . . .
Type of report

Advanced trans
- Security se

Output/run opt
- 0. No summar
- Print format
Background
    
```

```

CICS transaction display                               Line 1 of 53
Command ==>                                           Scroll====> CSR
All CICS transaction records                          6 Jun 2011 02:12

Transaction identification
Complex name                                         EEND
System name                                         SYS1
Transaction name                                     CEDA
Resource name                                       CICSA.CEDA
First program name                                  DFHEDAP
CICS Region job name                                CICS41   Jobid STC03306 ASID 003A
CICS Region step name                              CICS41
VTAM Specific applid                               CICSTS41
CICS System identification                          CICS

Transaction security settings
Resource security checking                          No       Command security checking          No

Transaction attributes
Enabled                                             Yes      Enabled during shutdown             No
Task data location above                          No       Use local queueing                  No
Task data in user key                             Yes      TWA size                            0
Task storage clearance                            No       Task storage freeze                 No
Trace transaction                                 Yes      Show user data in CICS trace        No
Transaction isolation                             Yes      Transaction profile                  DFHCICST
Transaction class                                  Transaction Priority                  1
Transaction alias                                  Transaction Hex alias

Transaction recovery attributes                    Transaction remote attributes
System purgeable                                  Yes      Remote transaction name
Terminal-error purgeable                          Yes      Remote system name
OTS Timeout                                        0        Remote transaction profile
Indoubt wait action                               Yes      Dynamic routable                    No
Indoubt wait time                                 00:00    Routable transaction                 No
Indoubt backout                                   Yes
Dump if abnormal end                              Yes
Restart after abnormal end                        No
Deadlock timeout                                  0000
Runaway time                                       00:00
Runaway time system                               No

UACC
RACF Universal access                             NONE

Class Profile
GCICSTRN CICSA.SPRO

User Access ACL id When
- -group- READ  SYSPROG
- -group- READ  SYSAUDIT
- IBMUSER READ  IBMUS
    
```

# CICS prog

- Go to menu

```

Command =
Show CICS
Program .
Program t
Jobname .
UTAM appl
SYSIDNT .
Complex .
System .
Type of r

Advanced
- Securi

Output/ru
- 0. No
- Print
- Back
    
```

```

CICS program display                               Line 1 of 42
Command ==>                                       Scroll==> CSR
All CICS transaction records                       6 Jun 2011 02:12

Program identification
Complex name          EEND
System name          SYS1
Program name         CEEADJL
Resource name       CICSA.CEEADJL
Program type        Program
CICS Region job name CICS41      Jobid STC03306 ASID 003A
CICS Region step name CICS41
VTAM Specific applid CICSTS41
CICS System identification CICS

Program attributes
Enabled                Yes          Dynamic routable          No
Obtain new program copy No          Allow CICS Exec.Diag.Fac. Yes
Permanently loaded program No        Use DPL-subset API        No
Task data location above Yes        Task data in user key     No
Use CICS API only (defined) Yes      Use CICS API only (deduced) Yes
Programming language(defined) Undefined Programming language(deduced)

Programs threadsafe(defined) No          Programs threadsafe(deduced) No

Remote program attributes
Remote program name          Remote transaction name
Remote system name

Java settings
JVM Profile          DFHJVMPR Run in Java virtual machine No
Java main program class

UACC
RACF Universal access NONE

Class Profile
PROGRAM CEE*

User Access ACL id When
- -group- READ SYSPROG
- -group- READ SYSAUDIT
- IBMUSER READ IBMUSER

Pri Audit concern
    
```

# DB2 region

- Go to menu o

```

Command ==>
Show DB2 regi
Jobname . . .
Local LU name
Local site na
DB2ID . . . .
Group attachm
Complex . . .
System . . . .

Advanced sele
_ Region sec

Output/run op
_ Print form
Backgro
    
```

```

DB2 region display
Line 1 of 36
Command ==> Scroll==> CSR
All DB2 region records 6 Jun 2011 02:12

Region identification
Complex name EEND
System name SYS1
DB2 System identification DB9G
DB2 Region job name DB9GMSTR Jobid ASID 0036
DB2 Region step name
Local LU name DB9GLU1
Local site name DALLAS9
Group attachment name
Command character -
Linkage table index 00180100
Region userid Dfltgrp:

Region security settings
Classification Option 2 (1=single-subsystem, 2=multi-subsystem)
Class Name Root DSN
Class Name suffix 1

SAF protection settings
Class Act Gen
Buffer pool privileges class MDSNBP Yes Yes
Class system privileges MDSNSM Yes Yes
Collection privileges class MDSNCL Yes Yes
Stored proc privileges class MDSNSP Yes No
Database privileges class MDSNDB Yes Yes
Sequences class MDSNSQ Yes No
Java archive files class MDSNJR Yes No
Table/index/view priv. class MDSNTB Yes Yes
Package privileges class MDSNPK Yes Yes
Tablespace privileges class MDSNTS Yes Yes
Plan privileges class MDSNPN Yes Yes
Schema privileges class MDSNSC Yes No
User type privileges class MDSNUT Yes No
Storage group privilege class MDSNSG Yes Yes

Pri Audit concern
    
```



## Access Monitor

- Introduced in zSecure 1.11 as part of zSecure Admin
- The data collected for each event includes the following types of information:
  - Profile name used, Userid, Access intent (READ, UPDATE, ALTER, and so on), Reason the access was granted, Some attributes of the userid, Date and time, Number of events, Jobname, Port Of Entry (POE) information
  - Information stored in sequential data sets
    - Consolidated into daily and (optionally) weekly, monthly or yearly files
  - Identifies unused profiles, members, GLOBAL entries, access list entries, groups
- The RACF database cleanup function consists of three components:
  - The RACF Access Monitor program (C2PACMON) used for data collection.
  - The CKRCARLA program that summarizes and saves the collected data so it can be analyzed.
  - An ISPF menu component that allows you to specify selection criteria for reports, generate reports, analyze reports, and perform RACF database cleanup tasks.
- Addressed with extended capabilities in 1.13

## Access Monitor - Collection of more fields

- **Optional JOBNAME collection**
  - Specify (list of) userids in member C2PAMJOB
  - Intended for shared userids such as started tasks, workload schedulers
- **Optional Port of Entry collection**
  - Specify Resource class, e.g., OPERCMDS in member C2PAMRCL
  - Specify Port class, e.g., CONSOLE, TERMINAL, in member C2PAMPCL
  - Useful to see where operator commands are entered, SDSF, main console, etc.
- **Collection of user's privileges**
  - Access granted via PRIVILEGED or TRUSTED was already shown
  - Access granted because of OPERATIONS and SPECIAL is added in 1.13
    - Identity users, jobnames that rely on OPERATIONS
- **Activating these fields will increase size of your consolidation files**

## Access Monitor

- Three new control/configuration files
  - C2PAMJOBUserids for which to collect job names
  - C2PAMPCLPOE classes for which to collect POE names
  - C2PAMRCLResource classes for which to collect POE names

### C2PAMJOB

```
-----+-----1-----+-----2
IBMUSER  YES
C2PSUSER NO
```

### C2PAMRCL

```
-----+-----1-----+-----2
OPERCMDS YES
```

### C2PAMPCL

```
-----+-----1-----+-----2
CONSOLE  YES
TERMINAL YES
```

## Access Monitor - Fast I/O

- **Consolidation process combines multiple records for similar events into a single record**
- **New ACCESS record format (V1.13 format)**
  - Created in daily consolidation (C2PAMCVT)
  - Enables parallel reading and consolidation
- **Consolidation improved**
- **Reporting unaffected**
- **Before consolidating, V1.11 format data must be converted to the V1.13 format.**
- **Installation choices**
  - **Keep the old format daily files from zSecure 1.11 and 1.12**
    - Consolidate old format and new format files into Monthly consolidation
    - Using CARLa in C2PAMCMP
  - **Convert the old format Daily files to new (zSecure 1.13) format**
    - Using CARLa in C2PAMCVT
    - Next Monthly consolidation job using UNLOAD command will work

## User interface improvements

- Profile search mask is more similar to SEARCH FILTER syntax:
  - \* at the beginning of a qualifier is supported, SYS1.\*LIB finds SYS1.LINKLIB,SYS1.PROCLIB
  - \*\*. \*LIB.\*\* finds profiles with 2<sup>nd</sup>,3<sup>rd</sup>,4<sup>th</sup>, etc. qualifier ending in LIB

- Search for users with a specific connect authority in RA.U

– Use the Attributes selection panel

```

Menu      Options      Info      Commands      Setup
-----
zSecure Suite - RACF - User Attributes
Command ==>
All users
Specify groups of criteria that the userids must meet:
Systemwide and group authorizations
OR      -      Special      Operations      Auditor      Class auth
      -      Group-special      Group-oper      Group-audit
Logon status
OR      -      Revoked      Inactive      Protected      Passw expired
      -      Revoked group      Certificate      Pass phrase      Phrase expired
      -      When day/time      ID mapping
User properties
OR      -      Has RACLINK      Restricted      User audited      Mixed case pwd
CKGRACF features
OR      -      Queued cmds      Schedules      Userdata      MultiAuthority
Connect authority . 1. Use 2. Create 3. Connect 4. Join
    
```

- Display connect owner in connects list

– Under control of SETUP VIEW

```

Menu      Options      Info      Commands      Setup
-----
EEND C2RP3S5      zSecure Suite - Setup - View
Command ==>
Access list format . . . . 2 1. No      3. Explode 5. Effective
      2. Sort      4. Resolve
ACL/Connect sort . . . . 2 1. Id      2. User      3. Access
Show OS specific options / z/OS      z/VM
/ Add user/group info to view
(Selecting this will use some additional storage - normally on )
/ Add summary to RA display for multiple RACF sources (normally on)
/ Add connect date and owner to RA.U connect group section
Select view
3 1. View only profiles you are allowed to change (administrator view)
2. View all profiles you are allowed to change or list
3. View all profiles (normal view)
F1=Help      F2=Split      F3=Exit      F7=Backward      F8=Forward      F9=Swap
F10=Actions      F12=Cancel
    
```



# User interface improvements

- RACF commands can be fitted to 72 positions
  - Allocate a CKRCMD data set with RECFM=FB, LRECL=80 in SETUP RUN (SE.0)

```

Menu          Options          Info          Commands          Setup
-----
zSecure Suite - Setup - Run

Command ==> _____

Specify run options
Enter "/" to select option(s)
/ Use permanent work data sets (CKRCMD is always permanent)
  Delete permanent work data sets on exit
  Delete CKRCMD on exit (may contain readable passwords)
/ Allocate CKRCMD data set with RECFM=FB,LRECL=80
/ Allocate previous input files at startup
  Suppress warning messages when appropriate input files not selected
  Display of all status messages in sequence (degrades performance)
  Use TSO SUBMIT (not recommended)
  Suppress call to RACF naming convention exit ICHCNX00
  Suppress use of RACF naming convention table ICHNCV00
  Suppress use of RACF range table ICHRRANG
  Touch RACF connect owner as little as possible
  Use ACF2 masking instead of EGN
Server Token . . . . .
Suppress messages, enter numbers separated by commas
    
```

- RECREATE generates appropriate SETROPTS REFRESH commands

```

***** ***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG> your edit profile using the command RECOVERY ON.
000001 /* CKRCMD file CKR1CMD complex NANO generated 26 May 2011 11:19 */
000002 /* CKRCMD file CKRT1CMD complex NANO generated 26 May 2011 11:19 */
000003 rdefine FACILITY $$TEST$$ owner(IBMUSER) audit(Failures(READ)) uacc(NONE )
000004 rdefine FACILITY $$TEST$$ .XYZZY11 owner(IBMUSER) audit(Failures(READ)) uacc(NONE )
000005 permit $$TEST$$ class(FACILITY) id(IBMUSER) access(NONE)
000006 permit $$TEST$$ class(FACILITY) id(IBMUSER) access(READ)
000007 permit $$TEST$$ class(FACILITY) id(IBMUSER) access(READ)
000008 permit $$TEST$$ Y477811 class(FACILITY) id(IBMUSER) access(NONE)
000009 setropts refresh raclist(FACILITY)
***** ***** Bottom of Data *****
    
```

- C line command to copy class settings in RA.S

```

Menu          Options          Info          Commands          Setup
-----
zSecure Admin+Audit for RACF - Copy class settings

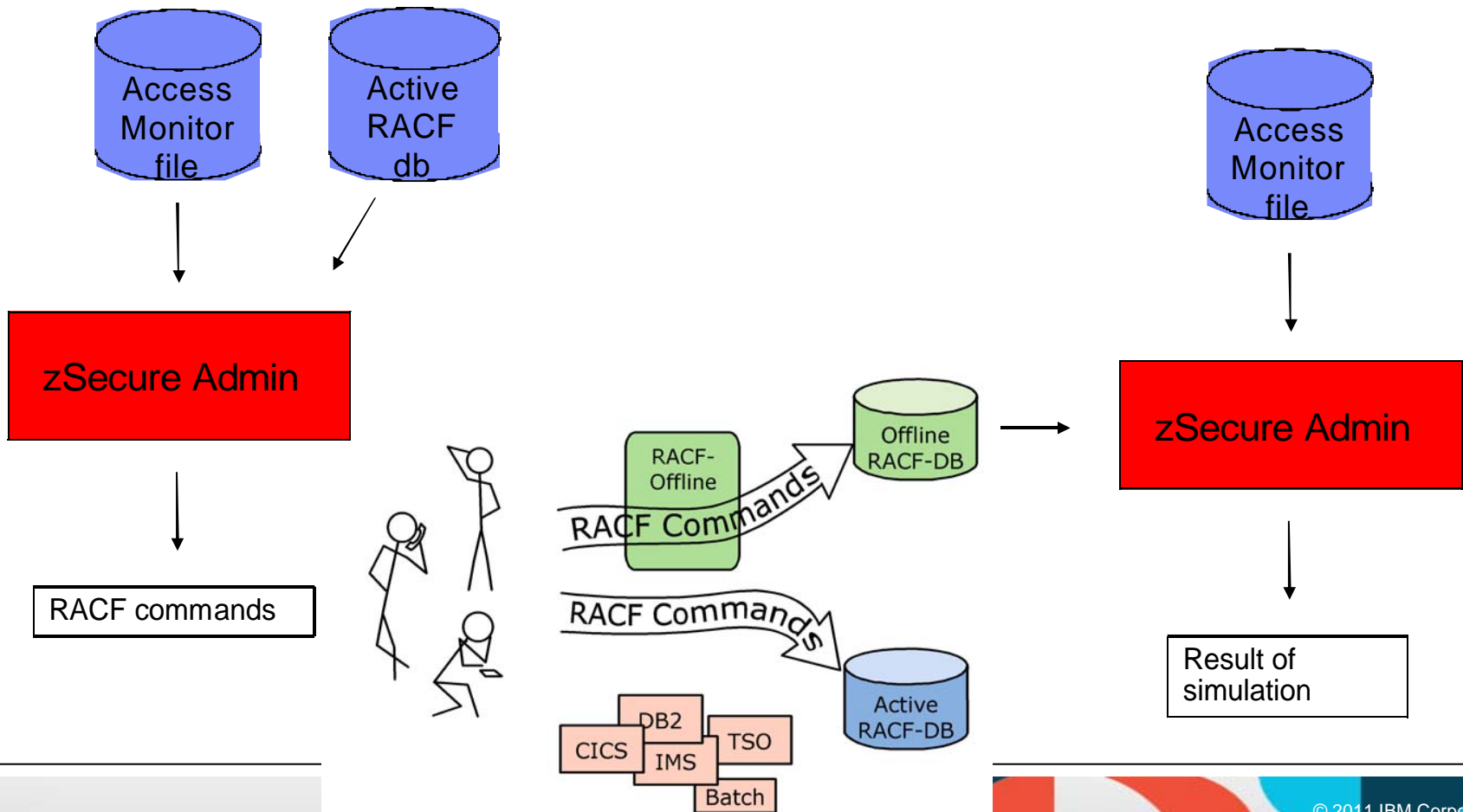
Command ==> _____

Copy from class . . . . : $CONSUL
To class . . . . .
CDT profile owner . . .

- Generate SETROPTS CLASSACT for new class
- Generate SETROPTS RACLIST for new class
- Generate SETROPTS GENLIST for new class
- Generate SETROPTS GENERIC for new class
    
```

# RACF Offline

- Allows testing of RACF commands on a copy of a RACF database
  - Use zSecure Admin and Audit to generate reports from the new database
  - Use Access Monitor to simulate access checks and find differences



# zSecure Visual

- New in 1.13: Site-specific user data**

- External data sets with attributes for RACF USER profiles

- Each record must contain a field with the user identification, and one or more data fields

- Employee number, phone number, initial password, etc.
- User id must be in a field in the user profile, e.g., PGMRNAME or PROFILE KEY

- **Multiple data sets supported**

- Disparate information sources
- Specific files for department administrators

Users C2RWQA4\* (8)

Userid	Name	Department	Employee	Cost Centre	State	Owner	DefaultGrp	Revoked	Inactive
C2RWQA4	TEST SUBJECT4	50064	QA-00000004	4200040	SA	C2RWQA	C2RWQA	Revoked	Inactive
C2RWQA41	TEST SUBJECT41	50064	QA-00000041	4200040	NT	C2RWQA	C2RWQA		Inactive
C2RWQA42	TEST SUBJECT42	50065	QA-00000042	4300510	VIC	C2RWQA	C2RWQA		Inactive
C2RWQA45	TEST SUBJECT45	50065	QA-00000045	4300510	WA	C2RWQA	C2RWQA3G		Inactive
C2RWQA46	TEST SUBJECT46	50065	QA-00000046	4301610	WA	C2RWQA	C2RWQA	Revoked	Inactive
C2RWQA47	TEST SUBJECT47	50065	QA-00000047	4300510	SA	C2RWQA	C2RWQA		Inactive
C2RWQA48	TEST SUBJECT48	50065	QA-00000048	4301610	TAS	C2RWQA3G	C2RWQA3G		Inactive
C2RWQA49	TEST SUBJECT49	50066	QA-00000049	4200040	VIC	C2RWQA	C2RWQA		Inactive

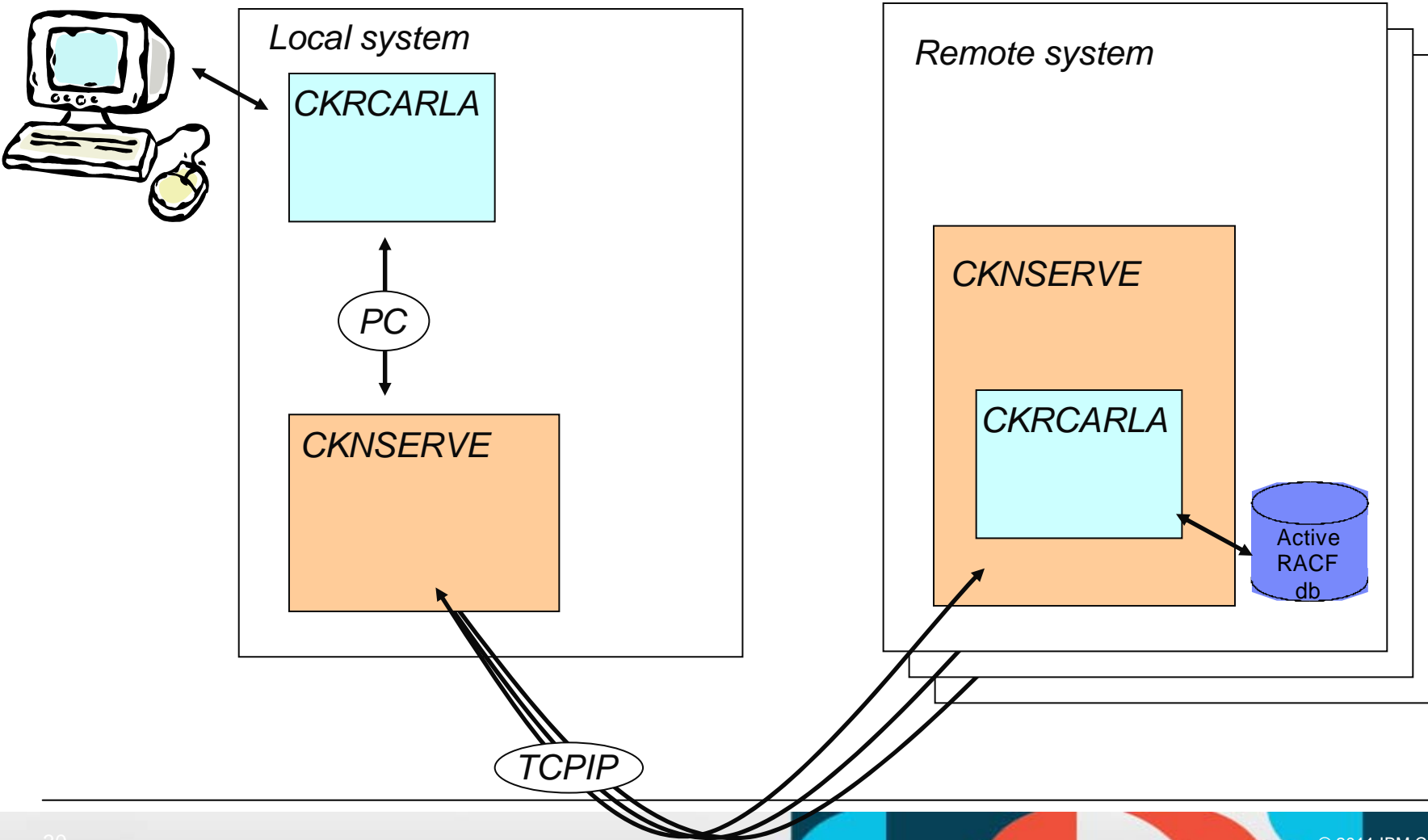
```

C2RWQA47QA-00000047      500654300510 SA
C2RWQA48QA-00000048      500654301610 TAS
C2RWQA40QA-00000040      500654300510 WA
    
```

## zSecure 1.12 - Multi System Support

- **Reporting and managing multiple systems from a single session**
- **Use zSecure ISPF application, zSecure Visual and zSecure batch jobs to**
  - **Retrieve data from remote systems using a TCP/IP connection**
    - RACF profile displays
    - Audit reports from RACF and CKFREEZE
    - SMF reports from live SMF or dumped SMF
  - **Generate RACF commands for one or more systems**
  - **Command routing**
    - Execute on local system
    - Send to remote system using RRSF
    - Send to remote system using zSecure TCP/IP connection
    - Send to remote system using NJE

# zSecure Network Services





## End of presentation

Obrigado

Portugal

Dziękuję

Poland

Dankschen

Austria

Thanks

United States

Takk

Norway

Toda

Israel

Gracias

Spain

Danke

Germany

Bedankt

Netherlands

Tak

Denmark

Dekuju

Czech Republic

Merci

France

Engraziel

Switzerland

Tesekkür ederim

Turkey

Tack

Sweden

Dank u

Belgium

Thank You

United Kingdom

Grazie

Italy

Jag tackar

Finland

Dakujem

Slovakia

Спасибо

Russia