

# Are Your Auditors and NIST Security Configuration Controls Driving You Crazy? Configuration Manager Implementation

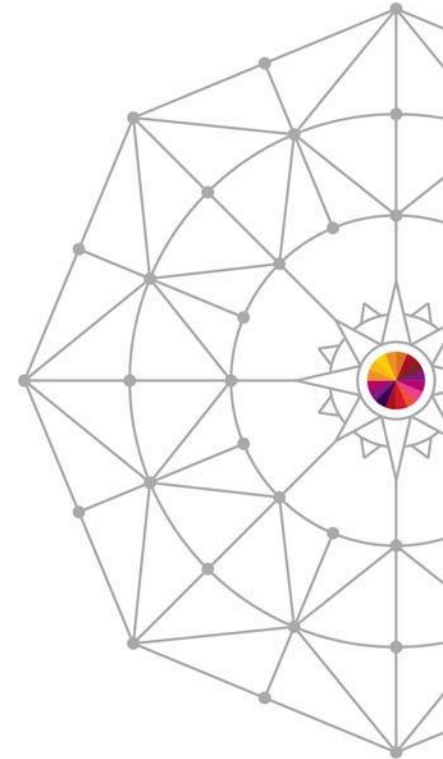
*Session 15967*

*Monday, August 4, 2014: 3:00 PM-4:00 PM*

Insert  
Custom  
Session  
QR if  
Desired.

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[Tim Bougeault](#)(US Bank)



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that provides education, professional networking and industry influence.**

# Agenda

- Introduction
- Audit Requirements
- DISA Stigs and NIST
- VCM Usage at US Bank
- Systems Programmer Point of view
- Install and Configuration
- Using VCM



## 2014 1<sup>st</sup> Quarter Stats:

- Ranking U.S. Bank is 5th largest
- U.S. commercial bank
- Period-end assets \$371 billion
- Period-end deposits \$261 billion
- Period-end loans \$238 billion
- Customers 17.9 million
- Bank branches 3,083
- ATMs 4,878



## Hardware Configuration

- 6 Sysplexes Running z/OS V2.1
- 4 Z196's and 2 ZEC12's
- 27 Ipars, 20 of them are RACF and 7 are ACF2

## RACF DB Stats

- Each RACF DB is 2K Cyls
- 83,713 USER profiles
- 29,794 DATASET profiles
- 35,406 GENERAL RESOURCE profile
- 6,845,719 USER-GROUP CONNECT profile

# Why VCM for US Bank ?



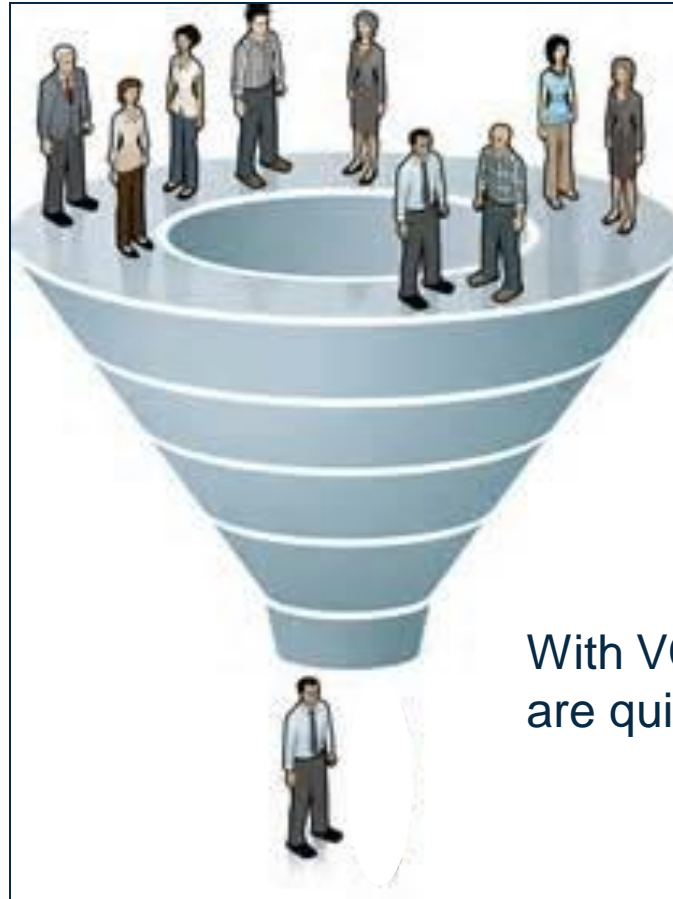
- Multiple Audits from different groups. Internal External
- Many auditors with different knowledge/skill set
- Produce one report for distribution to each auditing group

The reports from VCM help us show compliance for internal and external audits. Sox, PCI, OCC Requirements,

.....

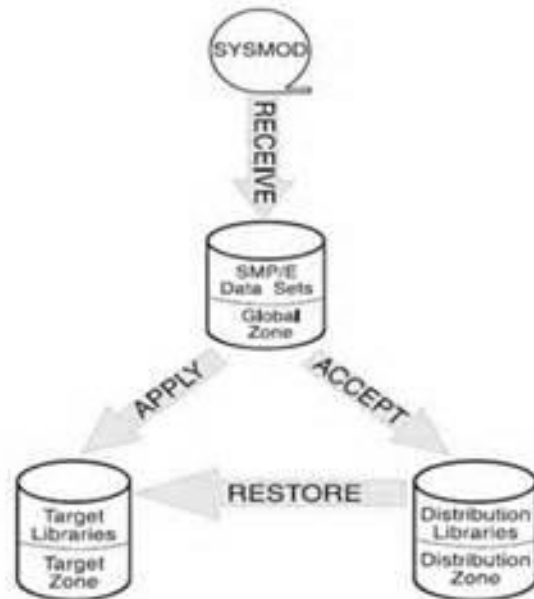
# VCM helps reduce time impacts to staff

Before VCM,  
information for audit  
had to be requested  
from several IT staff  
members.



With VCM, audit information requests  
are quickly handled by one person.

# VCM Install



- At US Bank VCM is smp/e installed as part of our Vanguard product set
- Usage requires a Vanguard product code (datecode).

# VCM Opening panel

```
(A) TN3270_DR.zws - PASSPORT
File Edit View Communication Options Transfer Macro Help

Help
-----
Vanguard GRC
Command ==> _____ Scroll ==> CSR
-----
Configuration Manager

Select (S) one of the following baselines:

Configuration Baselines
- DISA STIG 6.19
- DISA STIG 6.18
- DISA STIG 6.17
- DISA STIG 6.16
- DISA STIG 6.15
- DISA STIG 6.14
- DISA STIG 6.13
- DISA STIG 6.12

Version . . . : 2.1
User ID . . . : WTBOURG
System . . . : E081
OS . . . . . : z/OS 02.01.00

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All rights reserved.

*VCMPTAI
Tel SSL          ↑          R 4 C 41 TNC00025
```

## Pick your STIG



# Input and Results Dataset Name Panel

```
(A) TN3270_DRzws - PASSPORT
File Edit View Communication Options Transfer Macro Help

Vanguard Configuration Manager

Command ==> _____

DISA STIG 6.19

Enter datasets for Configuration Baseline.

New datasets will be created.

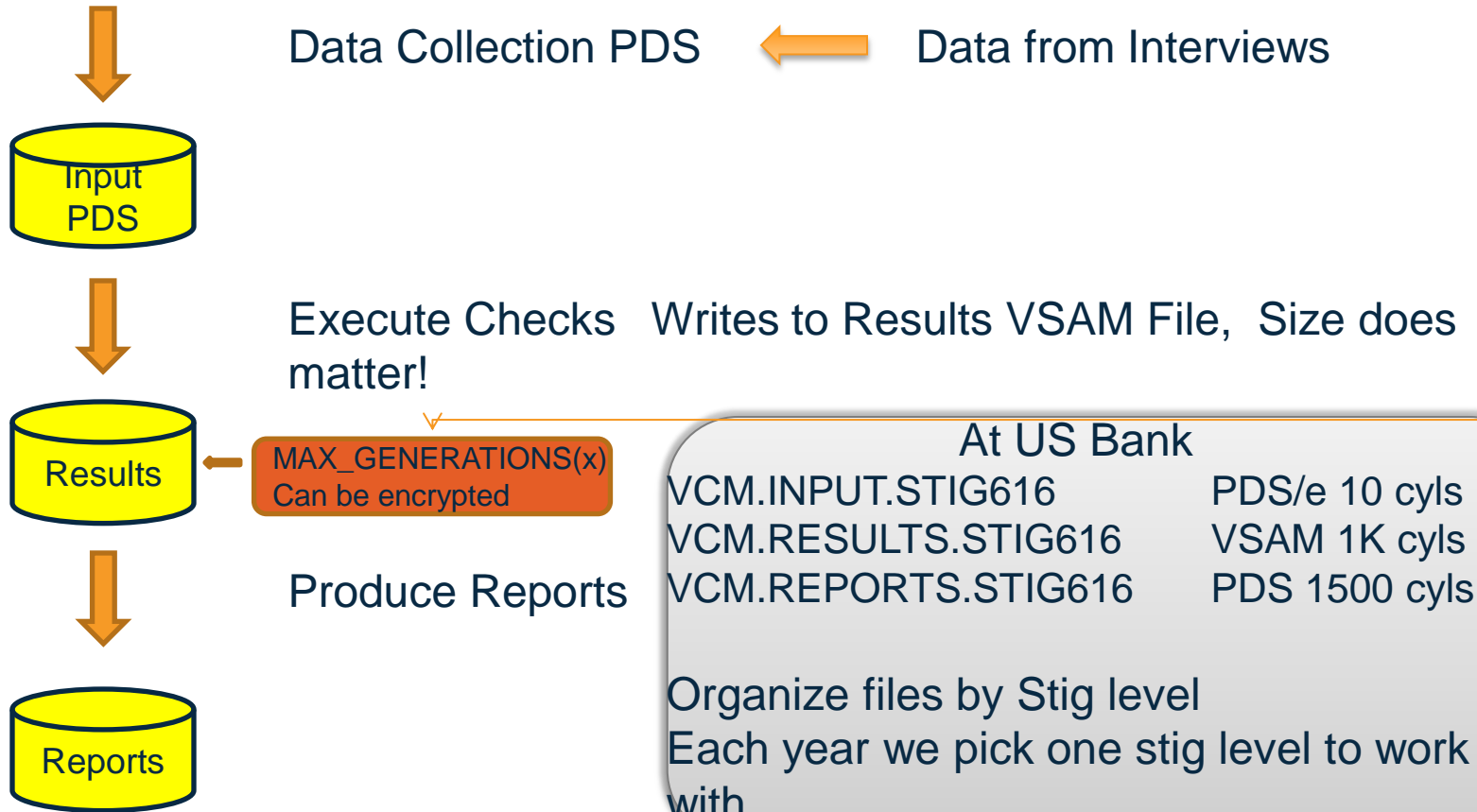
Input data (PDS)          Message
_____                 Dataset name is required.

Results (VSAM)           Message
_____                 Dataset name is required.

Press Enter to continue.
Press F3 (END) to return to previous panel.

*VCM PDSE
Te SSL ↑ R 11 C 30 TNC00025
```

# VCM Required Data Files

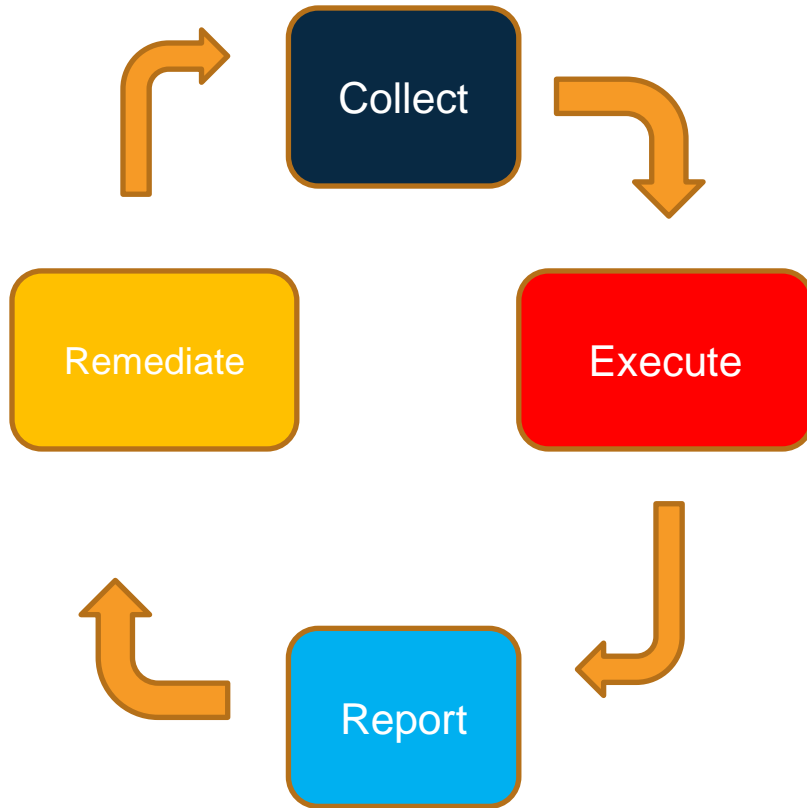


**At US Bank**

VCM.INPUT.STIG616	PDS/e 10 cyls
VCM.RESULTS.STIG616	VSAM 1K cyls
VCM.REPORTS.STIG616	PDS 1500 cyls

Organize files by Stig level  
Each year we pick one stig level to work with

# The Flow



- Common Configuration
- Interview Process
- Execute the checks
- Report and Remediate
- Audit Deliverables
- Repeat

# VCM Main Panel



(A) / POD1Tn3270.zws / PASSPORT PC to Host - OSA TSO

New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Batch Filters Reports Commands Jobcard Help

Vanguard Configuration Manager Row 1 to 16 of 48  
Command ==> \_\_\_\_\_ Scroll ==> CSR

DISA STIG 6.16

Line commands: S - Select category R - Summary report C - Comp Cntl report

Cmd	Prefix	Category	Description
___	ACOM	Common	Configuration
___	AAMV	z/OS	Operating System Environment
___	ACP	Security Server (RACF)	for z/OS system data
___	IFTP	File Transfer Protocol	
___	ISLG	z/OS UNIX	SYSLOG
___	ITCP	TCP/IP	Communications Server
___	ITNT	TN3270	Telnet Server
___	IUTN	z/OS UNIX	Telnet Server
___	RACF	Security Server (RACF)	Settings
___	ZADT	CA Auditor	
___	ZAID	Compuware Abend-AID	
___	ZCA1	CA-1 (Tape Management System)	
___	ZCCS	CA Common Services	
___	ZCIC	CICS Transaction Server	
___	ZCLS	CL/Supersession	
___	ZCSL	Catalog Solutions	

Te SSL :00.1 R 11 C 28 TNC29F21

Connected to 156.36.128.12:992 CAP NUM 11, 28 TNC29F21

Stig 6.16 has 48 Categories

Complete your session evaluations online at [www.SHARE.org/Pittsburgh-Eval](http://www.SHARE.org/Pittsburgh-Eval)



# Collect

```
(A) TN3270_DR.zws - PASSPORT
File Edit View Communication Options Transfer Macro Help

Commands Help
-----
Vanguard Configuration Manager Row 1 to 16 of 62
Command ==> _____ Scroll ==> CSR

DISA STIG 6.16 ACOM Common Configuration

Line commands: C - Collect/Review

Cmd Id      Description                               Stat By      Date
-----
ACOMPROD   Optional Products Installed               Inv WTBOURG  2013/09/10
ACOM0001   IDMS CV Names                            N/I
ACOM0004   Classified Systems                       Cur WTBOURG  2013/09/10
ACOM0005   Telnet Configuration Files               Cur WTBOURG  2013/09/10
ACOM0006   ICSF Started Task Names                  Cur WTBOURG  2013/09/10
ACOM0007   WebSphere MQSeries SSIDs                 Cur WTBOURG  2013/09/10
ACOM0008   All Started Tasks                        Cur WTBOURG  2013/09/10
ACOM0009   TADZ Started Task Names                  N/I
ACOM0010   WebSphere Started Task Userids           N/I
ACOM0011   Emergency Userids                        Cur WTBOURG  2013/09/10
ACOM0012   SDSF Application Development Users        Cur WTBOURG  2013/09/10
ACOM0013   Operations Personnel Userids             Cur WTBOURG  2014/07/14
ACOM0014   List of Systems Programmers              Cur WTBOURG  2014/07/14
ACOM0015   Storage Management Userids               Cur WTBOURG  2013/09/10
ACOM0016   PROFILE.TCPIP Datasets                   Cur WTBOURG  2013/09/10
ACOM0017   Trusted Started Tasks                     Cur WTBOURG  2013/09/10

*STGPSID
Te SSL R 11 C 28 TNC00025

Connected to 10.171.57.81:23063 CAP NUM 11.28 TNC00025
```

Common Config expedites the interview process by providing a central data repository from which the checks can share information.

Complete your session evaluations online at [www.SHARE.org/Pittsburgh-Eval](http://www.SHARE.org/Pittsburgh-Eval)

# Common Configuration

```
IN:\TNC2702\Brewer - PASSPORT
File Edit View Communication Options Transfer Macro Help

----- Help -----
Vanguard Configuration Manager      Row 1 to 1 of 1
Command ==> _____ Scroll ==> CSR

DISA STIG 6.16 ACOMPROD Optional Products Installed
Press F3 (END) to accept. Press F6 (CANCEL) to cancel.

Information is required for this request.

Answer . . Yes (Yes/No)

Interview Question:
Is Security Server (RACF) installed on this system?
***** Bottom of data *****

-----
+STGPI NO
Te SSL                               R 12 C 39  TNC00025

Connected to 10.171.57.81(23063)          CAP NUM 12 39 TNC00025
```

```
IN:\TNC2702\Brewer - PASSPORT
File Edit View Communication Options Transfer Macro Help

----- Help -----
Vanguard Configuration Manager      Row 1 to 1 of 1
Command ==> _____ Scroll ==> CSR

DISA STIG 6.16 ACOMPROD Optional Products Installed
Press F3 (END) to accept. Press F6 (CANCEL) to cancel.

Information is required for this request.

Answer . . Yes (Yes/No)

Interview Question:
Is CA-1 (Tape Management System) installed on this system?
***** Bottom of data *****

-----
+STGPI NO
Te SSL                               R 12 C 39  TNC00025

Connected to 10.171.57.81(23063)          CAP NUM 12 39 TNC00025
```

## ACOMPROD Interview questions

# Common Configuration

```
(A) TN3270_DR2ws - PASSPORT
File Edit View Communication Options Transfer Macro Help

  Commands  Help
-----
Vanguard Configuration Manager          Row 1 to 3 of 3
Command ==> _____ Scroll ==> CSR

DISA STIG 6.16 ACOM0014 Common Configuration
Press F3 (END) to accept. Press F6 (CANCEL) to cancel.

If request is not applicable, leave input field(s) blank.
Data Collection Only. See help for list of checks that use this info.

User Id or Mask . . _____
Group Id or Mask _____

Line commands: D - Delete entry   V - View group   X - Expand group

Cmd List of Systems Programmers:
____ RTECOPO3 (Group)
____ RTECOPO6 (Group)
____ X00NMVS
***** Bottom of data *****

*STGPINO
Tel SSL                               R 12 C 50  TNC00025

Connected to 10.171.57.81:23063          CAP NUM 12.50 TNC00025
```

## ACOM0014 List of System Programmers

List of Systems Programmer userids Used in: over 100 checks throughout Configuration Manager

The list of sysprogs can be modified for each check that references ACOM0014

# DISA STIG 6.16 ACP Security Server (RACF) for z/OS system data

```
(A) TN3270_DRzws - PASSPORT
File Edit View Communication Options Transfer Macro Help

Commands Help
-----
Vanguard Configuration Manager      Row 1 to 13 of 34
Command ==> _____ Scroll ==> CSR

DISA STIG 6.16 ACP Security Server (RACF) for z/OS system data

Use F10 (Left) and F11 (Right) to swap between displays.
Line commands: C - Collect/Review  V - View Result      S - Select Results
                E - Execute         R - Report        N - Comp Controls

Cmd Id      Volid      Description
--- ACPO0010 V-108      SYS1.PARMLIB
--- ACPO0020 V-109      SYS1.LINKLIB
--- ACPO0030 V-110      SYS1.SVCLIB
--- ACPO0040 V-111      SYS1.IMAGELIB
--- ACPO0050 V-112      SYS1.LPALIB
--- ACPO0060 V-113      APF-Authorized Libraries
--- ACPO0070 V-114      Link Pack Area (LPA) Libraries
--- ACPO0080 V-115      SYS1.NUCLEUS
--- ACPO0100 V-116      Libraries With PPT Modules
--- ACPO0110 V-117      LINKLIST Libraries
--- ACPO0120 V-118      ACP Files and Databases
--- ACPO0130 V-119      Master Catalog
--- ACPO0135 V-4850     User Catalogs

*STGPSVU
Te SSL                                R 4 C 44 TNC00025

Connected to 10.171.57.81:23063          CAP NUM 4.44 TNC00025
```

List of Sysprogs used here



# ACP00060 V-113 APF-Authorized Libraries

```
(A) TN3270_DRzws - PASSPORT
File Edit View Communication Options Transfer Macro Help

Commands Help
-----
Vanguard Configuration Manager Row 1 to 9 of 53
Command ==> _____ Scroll ==> CSR

DISA STIG 6.16 ACP00060 Security Server (RACF) for z/OS system data
Press F3 (END) to accept. Press F6 (CANCEL) to cancel.

If request is not applicable, leave input field(s) blank.
Enter the list of Systems Programmer userids who can have UPDATE or higher
access to each APF authorized library.
User Id or Mask . . _____
Group Id or Mask _____

Line commands: D -
List of Systems Programmer userids who can have UPDATE
or higher access to each APF authorized library.

Cmd List of Systems Programmers:
___ $STCPDS (Group)
___ C0013011 (Group)
___ C0013090 (Group)
___ C0013093 (Group)
___ C0013094 (Group)
___ C0013095 (Group)
___ C0013096 (Group)
___ C0013097 (Group)
___ C0081091 (Group)

*STGPI NO
Te SSL R 12 C 50 TNC00025

Connected to 10.171.57.81:23063 CAP NUM 12.50 TNC00025
```

Not all APF LIBs are administered by the original list of sysprogs as defined in ACOM0014, for specific checks you may need to add to the sysprog List

# Collection Hints



- Must have management support
- Collection questions can be printed via batch report



# Auto Data Collection



```
(A) TN3270_DR_zw - PASSPORT
File Edit View Communication Options Transfer Macro Help

Commands Help
Vanguard Configuration Manager Row 1 to 13 of 21
Command ==> Scroll ==> CSR

DISA STIG 6.16 ARMY z/OS Operating System Environment

Use F10 (Left) and F11 (Right) to swap between displays.
Line commands: C - Collect/Review V - View Result S - Select Results
                E - Execute R - Report N - Comp Controls

Cmd Id Vuid Description
--- ARMV0010 V-82 Software Change Management Process
--- ARMV0012 V-7545 Operating System Software Releases
--- ARMV0014 V-7546 Operating System Software Support
--- ARMV0016 V-7547 DoD-CERT/VCTS Mailing List
--- ARMV0018 V-15209 Security Related Software Patches
--- ARMV0030 V-83 APF Libraries Parameter
--- ARMV0040 V-84 APF Libraries
--- ARMV0050 V-85 APF Library Duplicate Utilities
--- ARMV0060 V-86 APF Library AC=1 Modules
--- ARMV0160 V-90 Invalid Program Properties Table Entries
--- ARMV0325 V-5605 Link Pack Area (LPA) Libraries
--- ARMV0350 V-100 Linklist Libraries
--- ARMV0370 V-101 SMF Data Collection Options

*STGPSVU
Te SSL R 19 C 28 TNC00025

(A) TN3270_DR_zw - PASSPORT
File Edit View Communication Options Transfer Macro Help

Commands Help
Vanguard Configuration Manager Row 1 to 13 of 21
Command ==> Scroll ==> CSR

DISA STIG 6.16 ARMY z/OS Operating System Environment

Use F10 (Left) and F11 (Right) to swap between displays.
Line commands: C - Collect/Review V - View Result S - Select Results
                E - Execute R - Report N - Comp Controls

-- Collected/Reviewed --
Cmd Id Stat By Date Comp Controls
--- ARMV0010 Cur WTBourg 2013/09/10 No
--- ARMV0012 Cur WTBourg 2013/09/10 No
--- ARMV0014 Cur WTBourg 2013/09/10 No
--- ARMV0016 Cur WTBourg 2013/09/10 No
--- ARMV0018 Cur WTBourg 2013/09/10 No
--- ARMV0030 --- No
--- ARMV0040 --- No
--- ARMV0050 --- No
--- ARMV0060 Cur WTBourg 2013/09/10 No
--- ARMV0160 --- No
--- ARMV0325 --- No
--- ARMV0350 --- No
--- ARMV0370 Cur WTBourg 2013/09/10 No

*STGPSID
Te SSL R 19 C 28 TNC00025
Connected to 10.171.57.8123063 CAP NUM 19 28 TNC00025
```

Not all checks require data collection  
VCM will automatically gather the required data when the check is Executed.

No collection required for checks that have --- in the Stat column.

PF11 takes you to the second screen.



# Interactive Check Execution

```
Commands Help
Vanguard Configuration Manager Row 1 to 13 of 21
Command ==> Scroll ==> CSR

Progress
Category : ARMV z/OS Operating System Environment
ID . . . : ARMV030 APF Libraries Parameter
Status . : No Findings
Press Enter to continue.

ARMV0012 V-7545 Operating System Software Releases
ARMV0014 V-7546 Operating System Software Support
ARMV0016 V-7547 DoD-CERT/VCTS Mailing List
ARMV0018 V-15209 Security Related Software Patches
E ARMV0030 V-83 APF Libraries Parameter
ARMV0040 V-84 APF Libraries
ARMV0050 V-85 APF Library Duplicate Utilities
ARMV0060 V-86 APF Library AC=1 Modules
ARMV100 V-90 Invalid Program Properties Table Entries
ARMV0325 V-5605 Link Pack Area (LPA) Libraries
ARMV0350 V-100 Linklist Libraries
ARMV0370 V-101 SMF Data Collection Options

*STGPPRO
Te SSL R 6 C 29 TNC00025
Connected to 10.171.57.81:23063 CAP NUM 6 29 TNC00025
```



E to execute check

```
Commands Help
Vanguard Configuration Manager Row 1 to 13 of 34
Command ==> Scroll ==> CSR

Progress
Category : ACP Security Server (RACF) for z/OS system data
ID . . . : ACP00040 SYS1.IMAGELIB
Status . : Findings
Press Enter to continue.

ACP00020 II Never run
ACP00030 II Never run
E ACP00040 II Findings 02/11/2014 28 2 26
ACP00050 II Findings 02/11/2014 56 30 26
ACP00060 I Never run
ACP00070 II Never run
ACP00080 II Never run
ACP00090 II Never run
ACP00100 II Never run
ACP00110 II Never run
ACP00120 II Never run
ACP00130 II Never run
ACP00135 II Never run

*STGPPRO
Te SSL R 6 C 29 TNC00025
Connected to 10.171.57.81:23063 CAP NUM 6 29 TNC00025
```



# Execution Counts

```
(A) TN3270_DR.zws - PASSPORT
File Edit View Communication Options Transfer Macro Help

Commands Help
Vanguard Configuration Manager Row 16 to 30 of 34
Command ==> Scroll ==> CSR

DISA STIG 6.16 ACP Security Server (RACF) for z/OS system data

Use F10 (Left) and F11 (Right) to swap between displays.
Line commands: C - Collect/Review V - View Result S - Select Results
E - Execute R - Report

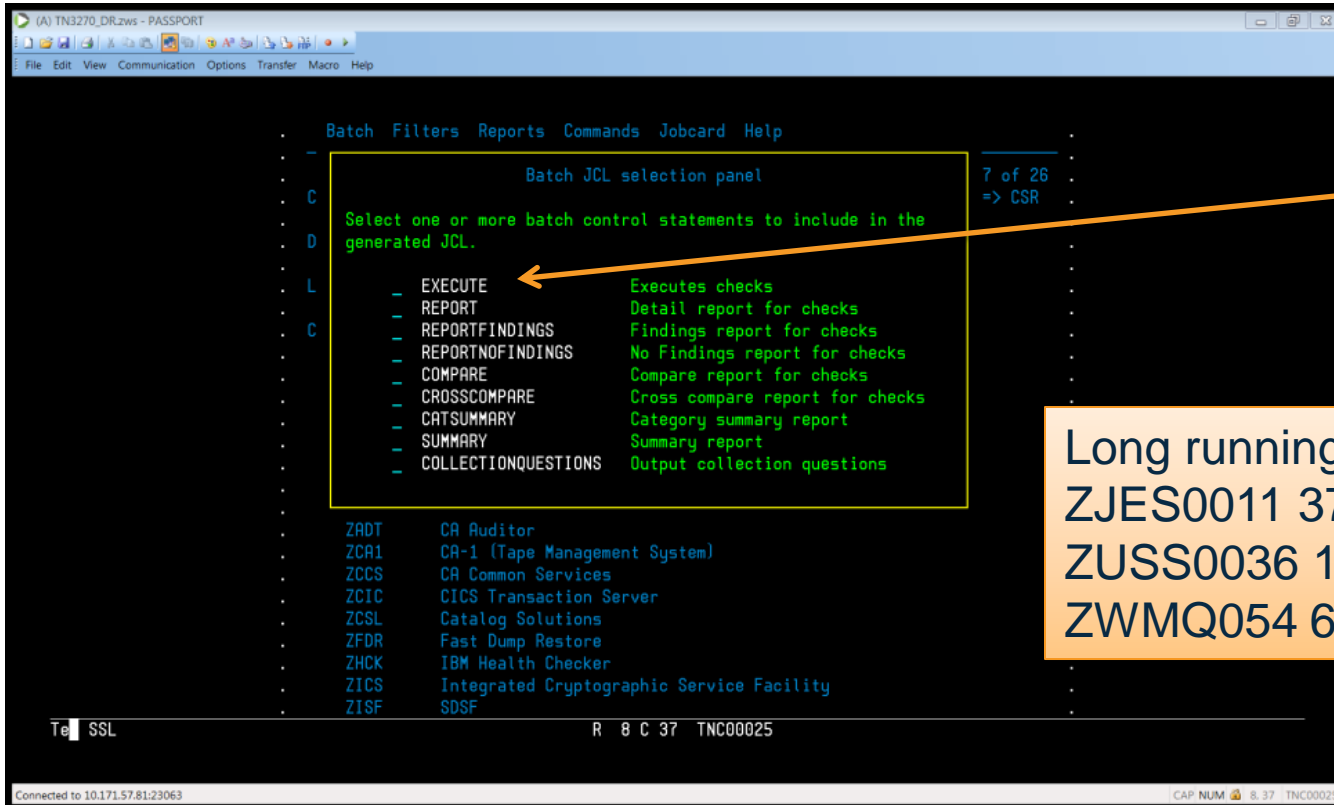
----- Execution Results ----- Execution Counts -----
Cmd Id   Cat Status   Date       Checks Findings No Findings
-----
___ ACP00170 II No Findings 05/07/2014 24      0      24
___ ACP00180 II No Findings 05/21/2014 561     0      561
___ ACP00190 II No Findings 05/21/2014 48      0      48
___ ACP00200 II No Findings 05/21/2014 132     0      132
___ ACP00220 II No Findings 05/07/2014 21      0      21
___ ACP00230 II No Findings 05/07/2014 522     0      522
___ ACP00240 II No Findings 05/07/2014 44      0      44
___ ACP00250 II Findings   06/03/2014 2762    7      2755
___ ACP00260 II No Findings 05/14/2014 456     0      456
___ ACP00270 I  No Findings 05/14/2014 373     0      373
___ ACP00282 II Findings   06/03/2014 10327   145    10182
___ ACP00291 II No Findings 05/07/2014 0       0      0
___ ACP00292 II No Findings 05/07/2014 1       0      1
___ ACP00293 II No Findings 05/07/2014 0       0      0
___ ACP00294 II No Findings 05/07/2014 146     0      146

Te SSL R 4 C 41 TNC00025
Connected to 10.171.57.81:23063 CAP NUM 4.41 TNC00025
```

We like zero's

Non-zero's more Work to do

# Batch Execution



```
(A) TN3270_DRLzws - PASSPORT
File Edit View Communication Options Transfer Macro Help

Batch Filters Reports Commands Jobcard Help

Batch JCL selection panel
7 of 26
=> CSR

Select one or more batch control statements to include in the
generated JCL.

- EXECUTE      Executes checks
- REPORT      Detail report for checks
- REPORTFINDINGS Findings report for checks
- REPORTNOFINDINGS No Findings report for checks
- COMPARE     Compare report for checks
- CROSSCOMPARE Cross compare report for checks
- CATSUMMARY  Category summary report
- SUMMARY     Summary report
- COLLECTIONQUESTIONS Output collection questions

ZADT  CA Auditor
ZCA1  CA-1 (Tape Management System)
ZCCS  CA Common Services
ZCIC  CICS Transaction Server
ZCSL  Catalog Solutions
ZFDR  Fast Dump Restore
ZHCK  IBM Health Checker
ZICS  Integrated Cryptographic Service Facility
ZISF  SDSF

Tel SSL                               R 8 C 37  TNC00025
Connected to 10.171.57.81:23063          CAP NUM 8 37  TNC00025
```

Generates JCL

Long running checks at US Bank:  
ZJES0011 3728 seconds  
ZUSS0036 1356 seconds  
ZWMQ054 6809 seconds

VCM generates the JCL for executing all of the checks. Edit as required.

HINT:

```
//SYSTSIN DD *
PROFILE VARSTORAGE(HIGH) <<< Help prevent some 878 abends
ISPSTART CMD(%VCMBATCH) NEWAPPL(VCM)
```

# Vanguard Options

- Product settings VANOPTS(VCMOPT00)
- MAX\_GENERATIONS(3)
  - Can be 1 to 20
- DETAIL\_REPORT(SYS2.VCM.REPORTS.STIG616)

MAX\_GENERATIONS specifies the maximum number of result generations to be saved for a check.

Value can be from 1 to 20

Will impact size of the results file

# Reporting, Interactive

```
(A) / POD1Tn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Commands Help
Vanguard Configuration Manager Row 1 to 13 of 34
Command ==> Scroll ==> CSR
DISA STIG 6.16 ACP Security Server (RACF) for z/OS system data
Use F10 (Left) and F11 (Right) to swap between displays.
Line commands: C - Collect/Review V - View Result S - Select Results
                E - Execute R - Report N - Comp Controls

Cmd Id Volid Description
---
ACP00010 V-108 SYS1.PARMLIB
ACP00020 V-109 SYS1.LINKLIB
ACP00030 V-110 SYS1.SVCLIB
ACP00040 V-111 SYS1.IMAGELIB
ACP00050 V-112 SYS1.LPALIB
ACP00060 V-113 APF-Authorized Libraries
ACP00070 V-114 Link Pack Area (LPA) Libraries
ACP00080 V-115 SYS1.NUCLEUS
ACP00100 V-116 Libraries With PPT Modules
ACP00110 V-117 LINKLIST Libraries
ACP00120 V-118 ACP Files and Databases
ACP00130 V-119 Master Catalog
ACP00135 V-4850 User Catalogs

-EC1PISV *STGSPVU
Te SSL :00.2 R 20 C 28 TNC2JM93
Connected to 156.36.128.12:992 CAP NUM 20, 28 TNC2JM93
```

V to View a report with filtering switches

R to generate a report that can be searched & emailed

Complete your session evaluations online at [www.SHARE.org/Pittsburgh-Eval](http://www.SHARE.org/Pittsburgh-Eval)



# View the Report

```
(A) / POD1Tn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Vanguard Configuration Manager Results
Command ==> _____ Scroll ==> CSR

DISA STIG 6.16 ACP00050 SYS1.LPALIB

Valid . . . . . : V-112
Category . . . . . : II
Collected/Reviewed by : WTBOURG On 2014/07/14 08:05
Executed by . . . . . : WTBOURG On 2014/02/11 11:59

Enter "/" to select message types to show
 / N 26 / F 30 / C 0 / E 0 - I 1 ← Total: 57

Msg ID Message Line 1 of 112
***** Start of Messages *****
ACP00050-24N The covering profile SYS1.LPALIB (G) in class DATASET for resource SYS1.LPALIB is not in WARNING mode.
ACP00050-17N The covering profile of SYS1.LPALIB (G) in class DATASET for resource SYS1.LPALIB has a UACC of NONE.
ACP00050-05N The covering profile SYS1.LPALIB (G) in class DATASET for resource SYS1.LPALIB specifies AUDIT(FAILURES(READ)) as
required.
ACP00050-26F The covering profile SYS1.LPALIB (G) in class DATASET for resource SYS1.LPALIB must specify an AUDIT SUCCESS access
level. All UPDATE and ALTER access must be logged.
ACP00050-22N ID(*) found in Standard access list of the covering profile SYS1.LPALIB (G) in class DATASET for resource SYS1.LPALIB
with access READ. Access READ is allowed.
ACP00050-06F User CICSTEST via group C020309A found in Standard access list of the covering profile SYS1.LPALIB (G) in class
DATASET for resource SYS1.LPALIB with access ALTER. Only access READ or less is allowed.
ACP00050-06F User JMYOUNG via group TOSMV01 found in Standard access list of the covering profile SYS1.LPALIB (G) in class DATASET
-EC1PISV *STGSPMS
Tel SSL :00.1 R 2 C 15 TNC2JM93

Connected to 156.36.128.12:992 CAP NUM 2.15 TNC2JM93
```

Set switch to show msgs

No Info msgs will be displayed

N = Normal  
F = Findings  
C = Compensating Control

E = Errors  
I = Informational

# Generate a Report

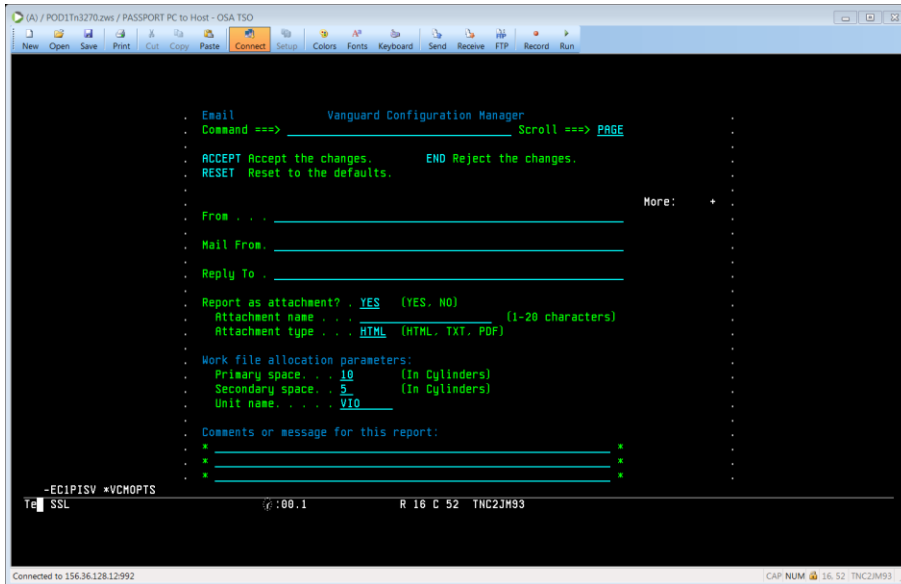
```
(A) / POD1Tn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Report: Detailed Check Report                               Columns 00001 00124
Command ==>                                               Scroll ==> CSR
Available Commands
EMAIL      Email Report          PRNT      Print Report
-----
***** ***** Top of Data *****
000001 1Vanguard GRC - Configuration Manager (TM)           Detailed Check Report           Report Date: JUL 22, 2
000002 DISA STIG 6.16
000003 ACP      Security Server (RACF) for z/OS system data
000004
000005 Check Title.: SYS1.LPALIB
000006 Check ID....: ACP00050
000007 Vulid.....: V-112
000008 Category...: II
000009 Executed by.: WTBOURG
000010 Executed on.: 02/11/2014 11:59
000011 Status.....: Findings
000012
000013                               Execution Counts
000014 -----
000015 Findings:      30      No Findings:    26      Errors:      0      Total tests:   56
000016 -----
000017 Check Messages:
000018 ID           Text
000019 -----
000020 ACP00050-24N   The covering profile SYS1.LPALIB (G) in class DATASET for resource SYS1.LPALIB is not in WARNING mode.
-EC1PISV *VCMEDE
Te | SSL           :00.1           R 2 C 15 TNC2JM93

Connected to 156.36.128.12:992                               CAP NUM 2, 15 TNC2JM93
```

VCM can also generate the JCL to create a report in batch.

# Convert report to PDF



```
(A) / POD1tn3270.zes / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

. Email                      Vanguard Configuration Manager
Command ==> _____ Scroll ==> PAGE

ACCEPT Accept the changes.      END Reject the changes.
RESET  Reset to the defaults.

From . . . _____ More: +
Mail From _____
Reply To _____

Report as attachment? . YES  (YES, NO)
Attachment name . . . _____ (1-20 characters)
Attachment type . . . HTML  (HTML, TXT, PDF)

Work file allocation parameters:
Primary space . . . 10      (in Cylinders)
Secondary space . . . 5      (in Cylinders)
Unit name . . . V10 _____

Comments or message for this report:
* _____
* _____
* _____

-ECIPISV *VCHOPTS
Tej SSL @ .00.1 R 16 C 52 TNC2JH93

Connected to 156.36.128.12992 CAP NUM 16.52 TNC2JH93
```

## VANOPTS(EMAILOPT)

- \* The following parameters are for PDF support
- \* The TXT2PDF utility must be installed to use this feature.
- \*
- \* EMAILPDFLOAD(TXT2PDF load library)
- \* EMAILPDFEXEC(TXT2PDF exec library)
- EMAILPDFLOAD(SYS7.XMITIP.LOAD)**
- EMAILPDFEXEC(SYS7.XMITIP.EXEC)**
- \*
- \* EMAILPDFCONFIG(<HLQ>.VANSAMP) Sequential or PDS dataset.
- \* EMAILPDFCONFIGM(PDFCONFIG)
- EMAILPDFCONFIG is a PDS,
- EMAILPDFCONFIG(SYS1.VANGUARD.VANOPTS)**
- EMAILPDFCONFIGM(PDFCONFIG)**

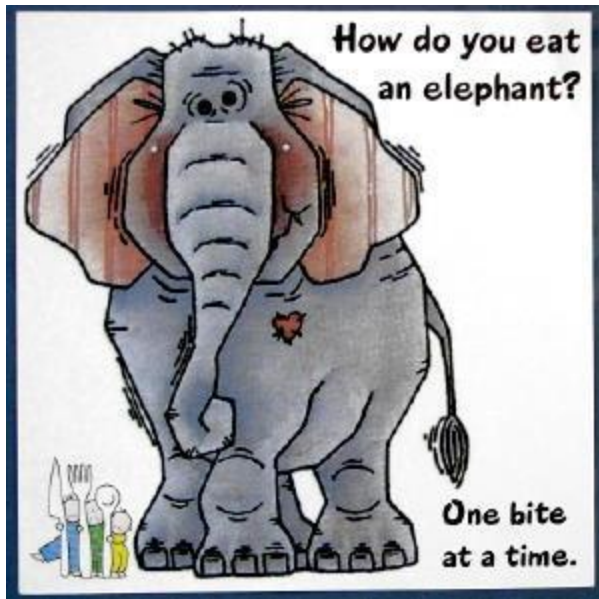
TXT2PDF and XMITIP can be found at Lionel B Dyck's site:  
<http://www.lbdsoftware.com/>

# Three Choices



- Correct the reported finding.
- Modify the collection data (if possible).
- Create a Compensating Control and/or a policy statement.

# Remediate



Tools to help  
VRA – UserID in access list Report  
SMF data  
RACF authority \*\*\*\*

Some reports can be vary large

ACP Security Server (RACF) for z/OS system data  
Check Title.: APF-Authorized Libraries  
Check ID....: ACP00060

ACP0060 is about 300,000 lines.  
Originally it had close to 100,000 findings.

View Report with only 'I' filter selected.  
This will give a list of RACF profiles. Work  
one profile at a time.

Use Disa Stig Addendum as guidance.

# Track your RFCs!



```
(A) / POD1Trn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

File Edit Edit_Settings Menu Utilities Compilers Test Help
VIEW      SYS2.VCM.REMEDIAT.RACF.CHANGES(ACP00060) - 01.99      Columns 00001 00124
Command ==> _____ Scroll ==> CSR
002734 =====
002735
002736 RFC request 6016031 06/12/2014 for ALL RACF lparms. Completed 06/16/2014
002737 VCM Audit Finding remediation Check Title.: APF-Authorized Libraries
002738 Check ID.....: ACP00060
002739
002740 This change is for all RACF lparms.
002741
002742 Please create the following Dataset profile:
002743 SYS2.VTAM.PROD.USERLIB.*
002744
002745 Change Audit settings so that:
002746 All UPDATE and ALTER access must be logged
002747
002748 Add the following Groups to the access list:
002749 *      READ
002750 RTECOP03      ALTER
002751 TOSMV01      ALTER
002752 TOSMV02      ALTER
002753 TOSMVS01     ALTER
002754 EMERSYS2     ALTER
***** ***** Bottom of Data *****
Te SSL          :00.1          R 6 C 9 TNC29F21

Connected to 156.36.128.12:992 CAP NUM 6, 9 TNC29F21
```

What did you do when?  
“ What happened to my access !”

Complete your session evaluations online at [www.SHARE.org/Pittsburgh-Eval](http://www.SHARE.org/Pittsburgh-Eval)



# Disa Stig ADDENDUM

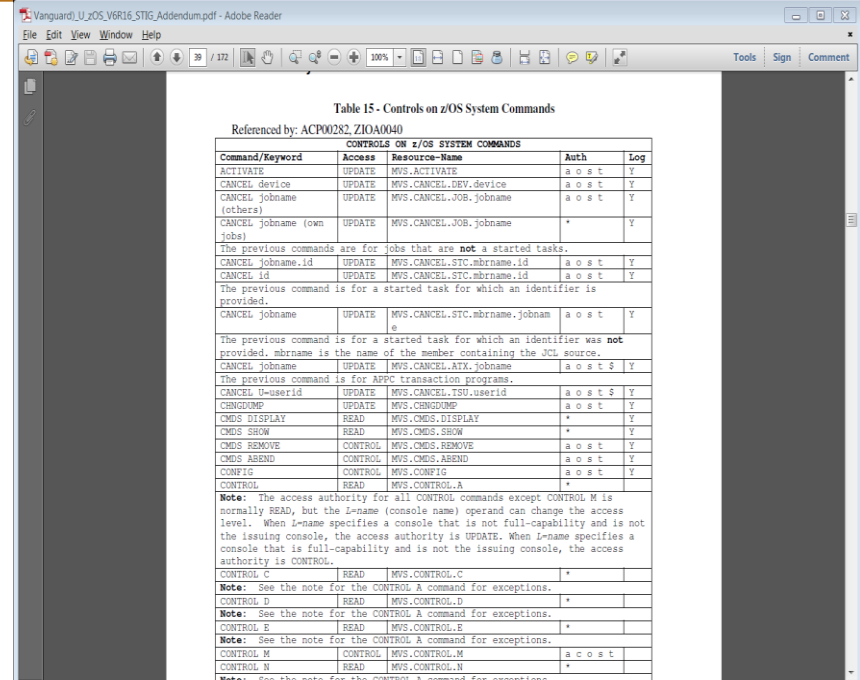
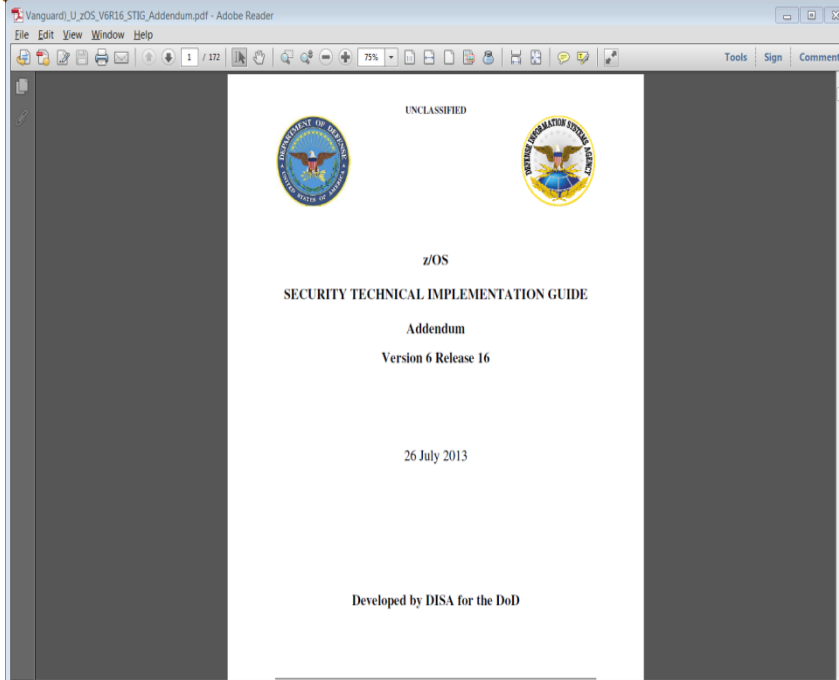


Table 15 - Controls on z/OS System Commands  
Referenced by: ACP00282, ZIOA0040

Command/Keyword	Access	Resource-Name	Auth	Log
ACTIVATE	UPDATE	MVS.ACTIVATE	a o s t	Y
CANCEL device	UPDATE	MVS.CANCEL.DEV.device	a o s t	Y
CANCEL jobname	UPDATE	MVS.CANCEL.JOB.jobname	a o s t	Y
CANCEL jobname (others)				
CANCEL jobname (own job)	UPDATE	MVS.CANCEL.JOB.jobname	*	Y
CANCEL jobname.id	UPDATE	MVS.CANCEL.STC.sbrname.id	a o s t	Y
CANCEL id	UPDATE	MVS.CANCEL.STC.sbrname.id	a o s t	Y
CANCEL jobname	UPDATE	MVS.CANCEL.STC.sbrname.jobname	a o s t	Y
CANCEL jobname.e	UPDATE	MVS.CANCEL.STC.sbrname.jobname	a o s t	Y
CANCEL jobname.l	UPDATE	MVS.CANCEL.STC.sbrname.jobname	a o s t	Y
CANCEL jobname.s	UPDATE	MVS.CANCEL.STC.sbrname.jobname	a o s t	Y
CANCEL U-userid	UPDATE	MVS.CANCEL.TSU.userid	a o s t	Y
CENGDUMP	UPDATE	MVS.CENGDUMP	a o s t	Y
CMDS DISPLAY	READ	MVS.CMDS.DISPLAY	*	Y
CMDS SHOW	READ	MVS.CMDS.SHOW	*	Y
CMDS REMOVE	CONTROL	MVS.CMDS.REMOVE	a o s t	Y
CMDS ABEND	CONTROL	MVS.CMDS.ABEND	a o s t	Y
CONFIG	CONTROL	MVS.CONFIG	a o s t	Y
CONTROL	READ	MVS.CONTROL.A	*	
CONTROL C	READ	MVS.CONTROL.C	*	
CONTROL D	READ	MVS.CONTROL.D	*	
CONTROL E	READ	MVS.CONTROL.E	*	
CONTROL M	CONTROL	MVS.CONTROL.M	a c o s t	
CONTROL N	READ	MVS.CONTROL.N	*	

**Note:** The access authority for all CONTROL commands except CONTROL M is normally READ, but the l-name (console name) operand can change the access level. When l-name specifies a console that is not full-capability and is not the issuing console, the access authority is UPDATE. When l-name specifies a console that is full-capability and is not the issuing console, the access authority is CONTROL.

**Note:** See the note for the CONTROL A command for exceptions.

**Note:** See the note for the CONTROL A command for exceptions.

**Note:** See the note for the CONTROL A command for exceptions.

**Note:** See the note for the CONTROL A command for exceptions.

**Note:** See the note for the CONTROL A command for exceptions.

Contains background, guidance, definitions, and so on...

Download from Vanguard

[https://www.go2vanguard.com/download\\_checklist1.php](https://www.go2vanguard.com/download_checklist1.php)

Download from DISA Website

[http://iase.disa.mil/stigs/os/mainframe/z\\_os.html](http://iase.disa.mil/stigs/os/mainframe/z_os.html)

# Disa Stig ADDENDUM

Referenced by: ACP00282, ZIOA0040

CONTROLS ON z/OS SYSTEM COMMANDS				
Command/Keyword	Access	Resource-Name	Auth	Log
ACTIVATE	UPDATE	MVS.ACTIVATE	a o s t	Y
CANCEL device	UPDATE	MVS.CANCEL.DEV.device	a o s t	Y
CANCEL jobname (others)	UPDATE	MVS.CANCEL.JOB.jobname	a o s t	Y
CANCEL jobname (own jobs)	UPDATE	MVS.CANCEL.JOB.jobname	*	Y

The previous commands are for jobs that are **not** a started tasks.

## Auth column

a - AUTOAUDT, Automated operations.

c - CONSOLES, System consoles

d - DASDAUDT, Storage Management

o - OPERAUDT, Operations staff

s - SYSPAUDT, Systems Programming staff

t - TSTCAUDT, Trusted Started Tasks

\* - All Users

\$ - May be given to All Users using SDSF, CA Roscoe, and similar products that interface with a user's input/output requiring the issuing of console commands.



# Java Viewer



DISA STIG Viewer : Beta 1.1.3

File Checklist Options Help

L-D\_for\_RACF\_V6R5\_STIG\_Manual-XCCDF.xml  
L-M\_for\_RACF\_V6R3\_STIG\_Manual-XCCDF.xml  
L-M\_Restart\_for\_RACF\_V6R2\_STIG\_Manual-XCCDF.xml  
L-O\_for\_RACF\_V6R4\_STIG\_Manual-XCCDF.xml  
RACF\_V6R4\_STIG\_Manual-XCCDF.xml  
W\_for\_zOS\_for\_RACF\_V6R6\_STIG\_Manual-XCCDF.xml  
ons\_for\_RACF\_V6R3\_STIG\_Manual-XCCDF.xml  
management\_for\_RACF\_V6R3\_STIG\_Manual-XCCDF.xml  
r\_RACF\_V6R2\_STIG\_Manual-XCCDF.xml

Profile (none)  
 View All STIG Data

+ Keyword

Add Filter  
Remove Filter  
Remove All Filters

368 Rules Shown | Displaying R...

STIG ID
AAMV0010 - AAMV0010
AAMV0012 - AAMV0012
AAMV0014 - AAMV0014
AAMV0016 - AAMV0016
AAMV0018 - AAMV0018
AAMV0030 - AAMV0030
AAMV0040 - AAMV0040
AAMV0050 - AAMV0050
AAMV0060 - AAMV0060
AAMV0160 - AAMV0160
AAMV0325 - AAMV0325
AAMV0350 - AAMV0350
AAMV0370 - AAMV0370
AAMV0380 - AAMV0380
AAMV0400 - AAMV0400
AAMV0410 - AAMV0410
AAMV0420 - AAMV0420
AAMV0430 - AAMV0430
AAMV0440 - AAMV0440
AAMV0450 - AAMV0450
AAMV0500 - AAMV0500
ACP00010 - ACP00010
ACP00020 - ACP00020
ACP00030 - ACP00030
ACP00040 - ACP00040
ACP00050 - ACP00050
<b>ACP00060 - ACP00060</b>
ACP00070 - ACP00070
ACP00080 - ACP00080
ACP00100 - ACP00100
ACP00110 - ACP00110
ACP00120 - ACP00120
ACP00130 - ACP00130
ACP00135 - ACP00135
ACP00140 - ACP00140
ACP00150 - ACP00150
ACP00170 - ACP00170
ACP00180 - ACP00180
ACP00190 - ACP00190
ACP00200 - ACP00200
ACP00210 - ACP00210
ACP00220 - ACP00220
ACP00230 - ACP00230
ACP00240 - ACP00240
ACP00250 - ACP00250

z/OS RACF STIG

Rule Title: Update and allocate access to all APF -authorized libraries are not limited to system programmers only.  
STIG ID: ACP00060 Rule ID: SV-113r1\_rule Vuln ID: V-113  
Severity: CAT I Class: Unclass

Discussion:  
The Authorized Program List designates those libraries that can contain program modules which possess a significant level of security bypass capability. Unauthorized access could result in the compromise of the operating system environment, ACP, and customer data.

Documentable: No

Responsibility:  
Information Assurance Officer

Check Content:  
a) Refer to the following reports produced by the Data Set and Resource Data Collection:  
- SENSITIVE.RPT (APFXRPT)

Automated Analysis  
Refer to the following report produced by the Data Set and Resource Data Collection:  
- PDI (ACP00060)  
The ACF data set rules for APF libraries allow inappropriate access.  
The ACF data set rules for APF libraries do not restrict UPDATE and/or ALTER access to only z/OS systems programming personnel.  
The ACF data set rules for APF libraries do not specify that all (i.e., failures and successes) UPDATE and/or ALTER access will be logged.

b) If all of the above are untrue, there is NO FINDING.  
c) If any of the above is true, this is a FINDING.

Fix Text:  
Review access authorization to critical system files. Evaluate the impact of correcting the deficiency. Develop a plan of action and implement the changes required to protect APF Authorized Libraries.  
The IAO will ensure that update and allocate access to all APF-authorized libraries are limited to system programmers only and all update and allocate access is logged.

IA Controls: DCCS-1, DCCS-2, DCSL-1, ECAR-1, ECAR-2, ECAR-3

Clipboard

Download from [http://iase.disa.mil/stigs/stig\\_viewing\\_guidance.html](http://iase.disa.mil/stigs/stig_viewing_guidance.html)



Complete your session evaluations online at [www.SHARE.org/Pittsburgh-Eval](http://www.SHARE.org/Pittsburgh-Eval)

# Compensating Controls

```
(A) / POD1Tn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Vanguard Configuration Manager Results
Command ==> _____ Scroll ==> CSR

DISA STIG 6.16 IFTP0050 DoD Banner

Category . . . . . : II
Collected/Reviewed by : WTBOURG On 2014/02/06 09:32:54
Executed by . . . . . : X00NMVS On 2014/05/07 12:32

Enter "/" to select message types to show
_ N 0 / F 1 _ E 0 _ I 6 Total: 7

Msg ID Message Line 1 of 3
***** Start of Messages *****
IFTP0050-09F Banner text does not match required DOD content.
***** End of Messages *****

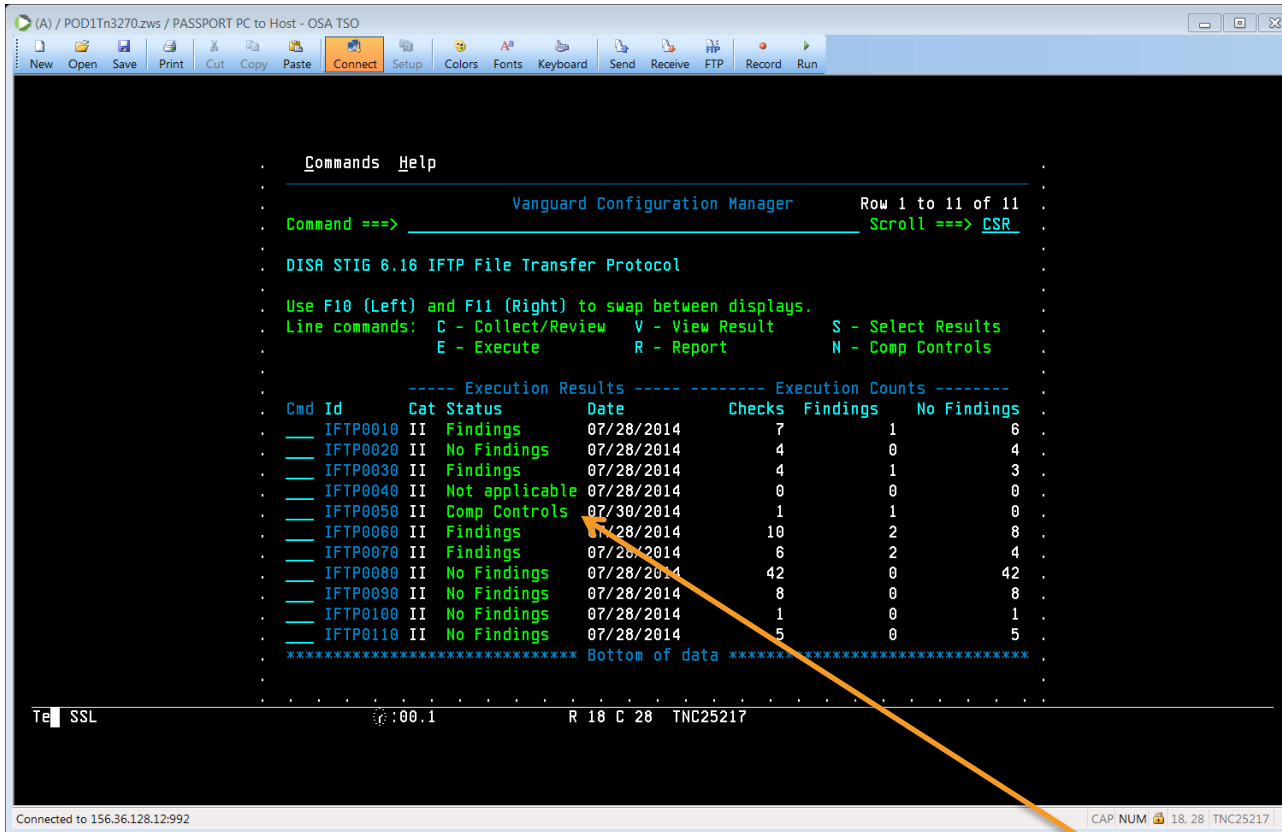
Te SSL :00.1 R 2 C 15 TNC2JM93

Sends the host key: Enter CAP NUM 2.15 TNC2JM93
```

But we are a Bank not the DOD!

Complete your session evaluations online at [www.SHARE.org/Pittsburgh-Eval](http://www.SHARE.org/Pittsburgh-Eval)

# Compensating Controls



```
(A) / POD1Tn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Commands Help
Vanguard Configuration Manager Row 1 to 11 of 11
Command ==> Scroll ==> CSR

DISA STIG 6.16 IFTP File Transfer Protocol

Use F10 (Left) and F11 (Right) to swap between displays.
Line commands: C - Collect/Review V - View Result S - Select Results
E - Execute R - Report N - Comp Controls

----- Execution Results ----- Execution Counts -----
Cmd Id Cat Status Date Checks Findings No Findings
---- IFTP0010 II Findings 07/28/2014 7 1 6
---- IFTP0020 II No Findings 07/28/2014 4 0 4
---- IFTP0030 II Findings 07/28/2014 4 1 3
---- IFTP0040 II Not applicable 07/28/2014 0 0 0
---- IFTP0050 II Comp Controls 07/30/2014 1 1 0
---- IFTP0060 II Findings 07/28/2014 10 2 8
---- IFTP0070 II Findings 07/28/2014 6 2 4
---- IFTP0080 II No Findings 07/28/2014 42 0 42
---- IFTP0090 II No Findings 07/28/2014 8 0 8
---- IFTP0100 II No Findings 07/28/2014 1 0 1
---- IFTP0110 II No Findings 07/28/2014 5 0 5
***** Bottom of data *****

Tel SSL 0:00.1 R 18 C 28 TNC25217
Connected to 156.36.128.12:992 CAP NUM 18.28 TNC25217
```

N to open text box  
to enter Compensating  
Control

Re-execute the check, status changes to Comp Controls

# Compensating Controls

```
(A) / POD1Tn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Vanguard Configuration Manager Results
Command ==> _____ Scroll ==> CSR
DISA STIG 6.16 IFTP0050 DoD Banner
Vulid . . . . . : V-3237
Category . . . . . : II
Collected/Reviewed by : WTBOURG On 2014/02/06 09:32
Executed by . . . . . : WTBOURG On 2014/07/30 08:16

Enter "/" to select message types to show
_ N 0 / F 1 / C 1 / E 0 / I 6 Total: 8

Msg ID      Message                                     Line 1 of 10
***** Start of Messages *****
IFTP0050-06I Verified existence of "FTP PROCLIB" "SYS2.PROCLIB(FTPD)".
IFTP0050-06I Verified existence of "FTP PARMS" "SYS2.NETWORK.TCPIP.DATA.K6P(FTPSAP3)".
IFTP0050-16I Processing FTP parms file "SYS2.NETWORK.TCPIP.DATA.K6P(FTPSAP3)".
IFTP0050-05I Banner File Content location specified as "SYS2.NETWORK.TCPIP.DATA.K6P(FTPBMNR)".
IFTP0050-06I Verified existence of "BANNER DSN" "SYS2.NETWORK.TCPIP.DATA.K6P(FTPBMNR)".
IFTP0050-09F Banner text does not match required DOD content.
IFTP0050-00C US Bank has a corporate approved VTAM banner screen.
IFTP0050-98I Analysis completed with Findings and Compensating Controls were specified.
***** End of Messages *****

Tel SSL 100.1 R 2 C 15 TNC25217

Connected to 156.36.128.12:992 CAP NUM 2, 15 TNC25217
```

The finding is still there  
Why the number will never be zero  
Msg IFTP0050-00C

# VCM Filters

```
(A) / POD1tn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Batch Filters Reports Commands Jobcard Help
- 1. Filter Selection... Configuration Manager Row 1 to 16 of 48
  2. Filter Creation... Scroll ==> CSR
  3. Filter Deletion...
DISAS
Line commands: S - Select category R - Summary report C - Comp Cntl report

Cmd Prefix Category Description
ACOM Common Configuration
AAMV z/OS Operating System Environment
ACP Security Server (RACF) for z/OS system data
IFTP File Transfer Protocol
ISLG z/OS UNIX SYSLOG
ITCP TCP/IP Communications Server
ITNT TN3270 Telnet Server
IUTN z/OS UNIX Telnet Server
RACF Security Server (RACF) Settings
ZADT CA Auditor
ZAITD Compuware Abend-AID
ZCA1 CA-1 (Tape Management System)
ZCCS CA Common Services
ZCIC CICS Transaction Server
ZCLS CL/Supersession
ZCSL Catalog Solutions

-DSLIST *DSLIST
Tel SSL :00.1 R 3 C 37 TNC25217

Connected to 156.36.128.12:992 CAP. NUM 3.37 TNC25217
```

Remove unwanted categories and individual checks from your display

# VCM Filters

```
(A) / POD1Tn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Batch Filters Reports Commands Jobcard Help
-----
C  Commands Help
D  Filter Category Selection      Row 1 to 10 of 47
   Command ==> _____      Scroll ==> PAGE
L  Press F5 (UPDATE) to save this filter configuration.
   Press F3 (END) to exit to previous dialog.
C  Line commands: S - Select Category to exclude individual checks.
   X - To exclude entire Category from the list.

Cmd Prefix  Category Description
---
___ AAMV    z/OS Operating System Environment
___ ACP    Security Server (RACF) for z/OS system data
___ RACF   Security Server (RACF) Settings
___ ZCA1   CA-1 (Tape Management System)
___ ZAOT   CA Auditor
___ ZAID   Compuware Abend-AID
___ ZCIC   CICS Transaction Server
___ ZCLS   CL/Supersession
___ ZCSL   Catalog Solutions
___ ZCCS   CA Common Services

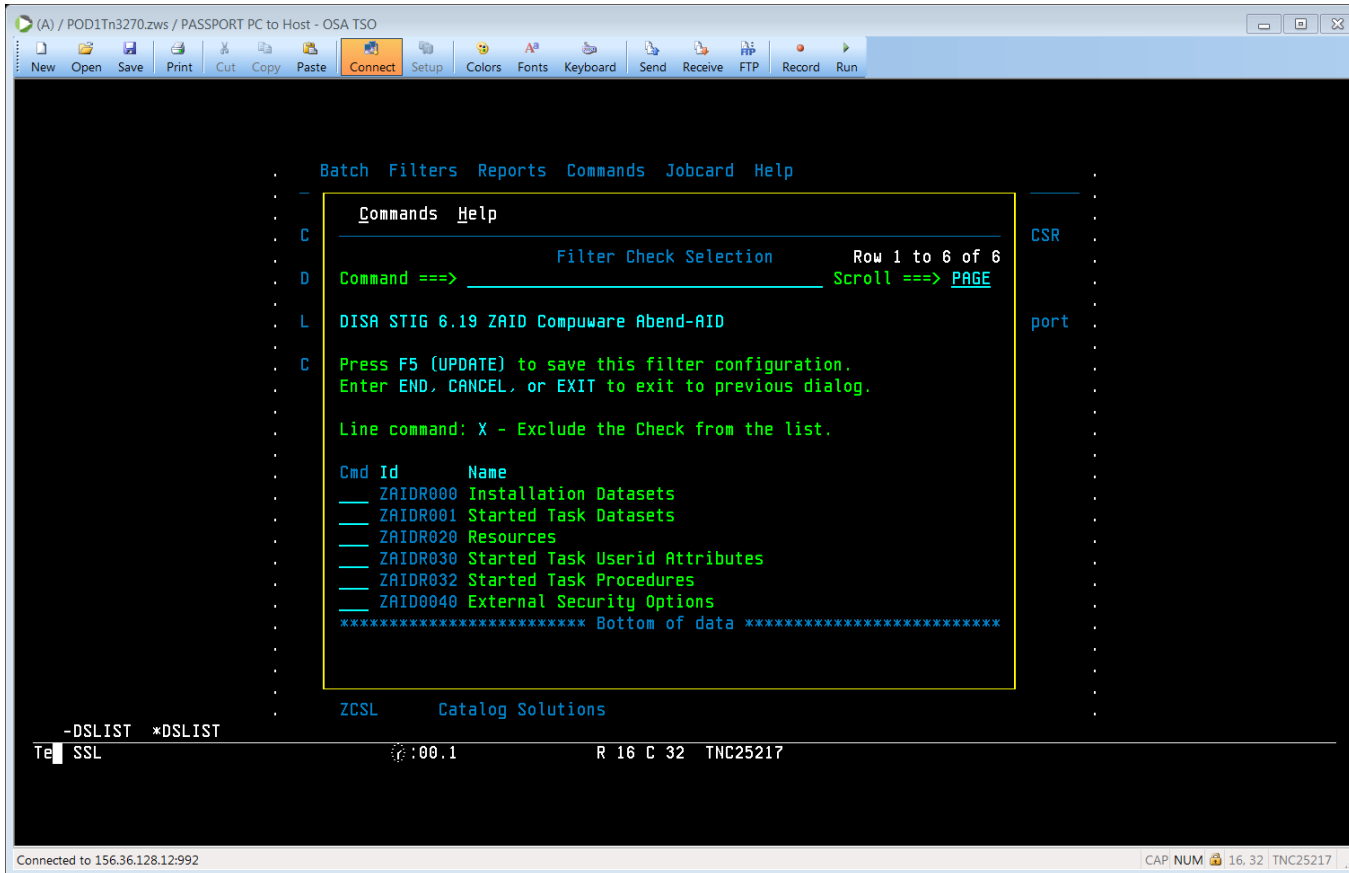
ZCSL      Catalog Solutions

-DSLIST  *DSLIST
Te SSL           :00.4      R 15 C 32  TNC25217

Connected to 156.36.128.12:992      CAP NUM 15, 32 TNC25217
```

X to exclude a category, S to see list of checks

# VCM Filters



```
(A) / POD1Tn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Batch Filters Reports Commands Jobcard Help

  Commands Help
  _____
  C |                                     Filter Check Selection   Row 1 to 6 of 6
  D | Command ==> _____ Scroll ==> PAGE
  L | DISA STIG 6.19 Z Aid Compuware Abend-AID
  C | Press F5 (UPDATE) to save this filter configuration.
  |   Enter END, CANCEL, or EXIT to exit to previous dialog.
  |   Line command: X - Exclude the Check from the list.
  |
  | Cmd Id      Name
  | ___ ZAIR000  Installation Datasets
  | ___ ZAIR001  Started Task Datasets
  | ___ ZAIR020  Resources
  | ___ ZAIR030  Started Task Userid Attributes
  | ___ ZAIR032  Started Task Procedures
  | ___ ZAIR040  External Security Options
  | ***** Bottom of data *****
  |
  ZCSL      Catalog Solutions

-DSLIST *DSLIST
Tel SSL      :00.1      R 16 C 32 TNC25217

Connected to 156.36.128.12:992 CAP NUM 16.32 TNC25217
```

X to exclude an individual check

# VCM Compare

```
(A) / POD1Tn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Vanguard Configuration Manager Row 1 to 3 of 3
Command ==> _____ Scroll ==> CSR
DISA STIG 6.16 IFTP0050 DoD Banner
Line commands: V - View Result C - Compare
                R - Report      CC - Cross Compare
Execution Results
Cmd  Gen  Run By  System  Date       Time       Status
---  ---  ---    ---    ---        ---        ---
  0   WTBOURG  P300    07/30/2014  08:16     Comp Controls
-1   X00NMVS  P300    07/28/2014  14:16     Findings
-2   X00NMVS  P300    05/07/2014  12:32     Findings
***** Bottom of data *****
Tel SSL                               R 11 C 28 TNC25217
Sends the host key: Attention CAP NUM 11.28 | TNC25217
```

From main category list select using an S to get this panel  
C is used to pick the new and old Gen to compare  
CC is used for a cross stig level compare



# Compare Results

```
(A) / POD1Tn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Vanguard Configuration Manager
Command ==> _____ Scroll ==> CSR

IFTP0050 DoD Banner

Key in REPORT and press enter for printable report.
Press F3 (END) to exit report.

          New          Old
-----
Baseline . . . . . : DISA STIG 6.16  DISA STIG 6.16
Generation . . . . . : 0              -1
Executed System . . . : P300          P300
Executed By . . . . . : WTBOURG       X00NHVS
Executed Date . . . . : 07/30/2014    07/28/2014
Executed Time . . . . : 08:16        14:16

New Old Msg ID      Message                               Line 1 of 5
***** Start of Messages *****
X      IFTP0050-00C  US Bank has a corporate approved VTAM banner screen.
X      IFTP0050-98I  Analysis completed with Findings and Compensating Controls were specified.
X      IFTP0050-98I  Analysis completed with Finding(s).
***** End of Messages *****

Telnet SSL          : 01.1          R 2 C 15  TNC25217

Sends the host key: Attention
CAP NUM 2.15 TNC25217
```

# Cross Stig Level Compare

```
(A) / POD1Tn3270.zws / PASSPORT PC to Host - OSA TSO
New Open Save Print Cut Copy Paste Connect Setup Colors Fonts Keyboard Send Receive FTP Record Run

Vanguard Configuration Manager
Command ==> _____ Scroll ==> CSR

IFTP0050 DoD Banner

Key in REPORT and press enter for printable report.
Press F3 (END) to exit report.

          New          Old
-----
Baseline . . . . . : DISA STIG 6.16  DISA STIG 6.19
Generation . . . . . : 0              0
Executed System . . . : E081          E081
Executed By . . . . . : WTBOURG       WTBOURG
Executed Date . . . . : 07/10/2014    07/30/2014
Executed Time . . . . : 15:06         08:42

New Old Msg ID      Message                               Line 1 of 5
***** Start of Messages *****
X   IFTP0050-00C Will never happen
X   IFTP0050-98I Analysis completed with Findings and Compensating Controls were specified.
X   IFTP0050-98I Analysis completed with Finding(s).
***** End of Messages *****

-DSLIST *DSLIST
Tel SSL              :00.8          R 2 C 15  TNC25217

Sends the host key: Attention                                     CAP NUM 2, 15 | TNC25217
```

# More Information

- [www.go2vanguard.com](http://www.go2vanguard.com)
- [iase.disa.mil/stigs/](http://iase.disa.mil/stigs/)