

# **VANGUARD**

**Integrity Professionals, Inc.**

---

**Enterprise Security Software**

z/OS TDMF for ACF2 STIG

Version: 6

Release: 4

29 Dec 2020

---

Group ID (Vulid): V-18014

Group Title: ZB000040

Rule ID: SV-24802r2\_rule

Severity: CAT II

Rule Version (STIG-ID): ZTDM0040

Rule Title: Transparent Data Migration Facility (TDMF)

configuration/parameter/option values are not specified properly.

Vulnerability Discussion: Transparent Data Migration Facility (TDMF) configuration/parameter/option settings control the security and operational characteristics of product. If these setting values are improperly specified, security and operational controls may be weakened. This exposure may threaten the availability of the product applications, and compromise the confidentiality of system and customer data.

Responsibility: Systems Programmer

IAControls: ECCD-1, ECCD-2

Check Content:

a) Have the the products system programmer display the configuration/parameters control statements used in the current runing product to define or enable security.

b) Verify the following specifications:

Parameter Options:

VOLUME SECURITY = YES

CHECK TARGET EMPTY = YES

Session Options:

Volume Security is not available.

CHECKTarget|CHKTarget

c) If (b) above is true, there is NO FINDING.

d) If (b) above is untrue, this is a FINDING

Fix Text: The product systems programmer will verify that any configuration / parameters that are required to control the security of the product are properly configured and syntactically correct.

See the required parameters below:

Parameter Options:

VOLUME SECURITY = YES

CHECK TARGET EMPTY = YES

Session Options:

Volume Security is not available.

CHECKTarget|CHKTarget

NOTE: The IAO will ensure that volume resource protection is define to the ACP and access to volumes be given to the approiате personnel.

CCI: CCI-000035

---

Group ID (Vulid): V-16932

Group Title: ZB000000

Rule ID: SV-24782r3\_rule

Severity: CAT II

Rule Version (STIG-ID): ZTDMR000

Rule Title: Transparent Data Migration Facility (TDMF) installation data sets will be not properly protected.

Vulnerability Discussion: Transparent Data Migration Facility (TDMF) installation data sets have the ability to use privileged functions and/or have access to sensitive data. Failure to properly restrict access to these data sets could result in violating the integrity of the base product which could result in compromising the operating system or sensitive data.

Responsibility: Information Assurance Officer

IAControls: DCSL-1, ECAR-1, ECAR-2, ECCD-1, ECCD-2

Check Content:

Refer to the following report produced by the Data Set and Resource Data Collection:

- SENSITVE.RPT(TDMFRPT)

Automated Analysis

Refer to the following report produced by the Data Set and Resource Data Collection:

- PDI(ZTDM0000)

Verify that the accesses to the Transparent Data Migration Facility (TDMF) installation data sets are properly restricted. If the following guidance is true, this is not a finding.

\_\_\_\_ The ACF2 data set rules for the data sets restricts READ access to auditors.

\_\_\_\_ The ACF2 data set rules for the data sets restricts WRITE and/or greater access to systems programming personnel.

\_\_\_\_ The ACF2 data set rules for the data sets specify that all (i.e., failures and successes) WRITE and/or greater access is logged.

Fix Text: The IAO will ensure that The IAO will ensure that WRITE and/or greater access to Transparent Data Migration Facility (TDMF) installation data sets is limited to System Programmers only, and all WRITE and/or greater access is logged. READ access can be given to auditors.

The installing Systems Programmer will identify and document the product data sets and categorize them according to who will have WRITE and/or greater access and if required that all WRITE and/or greater access is logged. He will identify if any additional groups have WRITE and/or greater access for specific data sets, and once documented he will work with the IAO to see that they are properly restricted to the ACP (Access Control Program) active on the system.

Data sets to be protected will be:  
SYS2.TDMF.  
SYS3.TDMF.

The following commands are provided as a sample for implementing data set controls:

```
$KEY(SYS2)
TDMF.- UID(<syspautd>) R(A) W(L) A(L) E(A)
TDMF.- UID(<tstcaudt>) R(A) W(L) A(L) E(A)
TDMF.- UID(<audtaudt>) R(A) E(A)
```

```
$KEY(SYS3)
TDMF.- UID(<syspautd>) R(A) W(L) A(L) E(A)
TDMF.- UID(<tstcaudt>) R(A) W(L) A(L) E(A)
TDMF.- UID(<audtaudt>) R(A) E(A)
```

CCI: CCI-000213

CCI: CCI-002234

---

UNCLASSIFIED