NIST CSF 2.0-PR.AA-01-Ex2

PROTECT (PR): Safeguards to manage the organization's cybersecurity risks are used

Identity Management, Authentication, and Access Control (PR.AA)

Access to physical and logical assets is limited to authorized users, services, and hardware and managed commensurate with the assessed risk of unauthorized access

PR.AA-01

Identities and credentials for authorized users, services, and hardware are managed by the organization

Ex2

Issue, manage, and revoke cryptographic certificates and identity tokens, cryptographic keys (i.e., key management), and other credentials

Compliance Framework References:

CCMv4.0: CEK-01
CCMv4.0: CEK-10
CCMv4.0: CEK-11
CCMv4.0: CEK-12
CCMv4.0: CEK-13
CCMv4.0: CEK-14
CCMv4.0: CEK-15
CCMv4.0: CEK-16
CCMv4.0: CEK-17
CCMv4.0: CEK-18
CCMv4.0: CEK-19
CCMv4.0: CEK-20
CCMv4.0: CEK-21
CCMv4.0: DCS-08
CCMv4.0: IAM-01
CCMv4.0: IAM-03
CCMv4.0: IAM-06
CCMv4.0: IAM-07
CCMv4.0: IAM-09
CCMv4.0: IAM-13
CCMv4.0: IAM-14
CCMv4.0: IAM-15
CCMv4.0: IAM-16
CCMv4.0: UEM-14
CIS Controls v8.0: 5.1
CIS Controls v8.0: 6.7
CRI Profile v2.0: PR.AA-01
CRI Profile v2.0: PR.AA-01.01
CRI Profile v2.0: PR.AA-01.02
CSF v1.1: PR.AC-1
SP 800-53 Rev 5.1.1: AC-01
SP 800-53 Rev 5.1.1: AC-02
SP 800-53 Rev 5.1.1: AC-14
SP 800-53 Rev 5.1.1: IA-01
SP 800-53 Rev 5.1.1: IA-02
SP 800-53 Rev 5.1.1: IA-03
SP 800-53 Rev 5.1.1: IA-04
SP 800-53 Rev 5.1.1: IA-05
SP 800-53 Rev 5.1.1: IA-06
SP 800-53 Rev 5.1.1: IA-07

SP 800-53 Rev 5.1.1: IA-08
SP 800-53 Rev 5.1.1: IA-09
SP 800-53 Rev 5.1.1: IA-10
SP 800-53 Rev 5.1.1: IA-11

Vendor: Microsoft Azure

Comments: Evidence of these actions should be discoverable in the logs. However, it will take research to determine which logs would be appropriate.

UDM Search Query:

```
$e.additional.fields["targetResources.modifiedProperties.newValue    0"]    =
/KeyIdentifier.*/
$e.additional.fields["targetResources.modifiedProperties.oldValue    0"]    =
/KeyIdentifier.*/
$e.metadata.log_type = "AZURE_AD_AUDIT"
$e.metadata.product_event_type  =  "Update  application  -  Certificates  and
secrets management "

$date = timestamp.get_date($e.metadata.event_timestamp.seconds)

match:
    $date

outcome:
    $user_id = array_distinct($e.principal.user.userid)
                                                        $old_key             =
array_distinct($e.additional.fields["targetResources.modifiedProperties.oldV
alue 0"])
                                                        $new_key             =
array_distinct($e.additional.fields["targetResources.modifiedProperties.newV
alue 0"])

order:
    $date

limit: 25
```

10-20-2024

hostname	destip	count
calm-orion-8112	207.3.50.185	7088
loud-blaze-4706	37.198.57.90	875
eager-glyph-3607	41.249.102.22	3152
tough-zephyr-6801	162.195.41.129	8183
keen-bear-2972	18.240.44.191	9823
warm-fox-0927	42.28.42.216	9220
lively-lion-7689	191.95.195.233	5858
calm-glyph-5246	178.93.96.212	8215
nifty-meteor-5590	112.40.225.248	4566
rich-ember-2213	129.112.53.246	1836

09-20-2024

hostname	destip	count
calm-orion-8112	207.3.50.185	7088
loud-blaze-4706	37.198.57.90	875
eager-glyph-3607	41.249.102.22	3152
tough-zephyr-6801	162.195.41.129	8183
keen-bear-2972	18.240.44.191	9823
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08-20-2024

hostname	destip	count
calm-orion-8112	207.3.50.185	7088
loud-blaze-4706	37.198.57.90	875
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