



Windows PowerShell Get-Help on Cmdlet 'Get-TpmEndorsementKeyInfo'

PS:\>Get-HELP Get-TpmEndorsementKeyInfo -Full

NAME

Get-TpmEndorsementKeyInfo

SYNOPSIS

Gets information about the endorsement key and certificates of the TPM.

SYNTAX

Get-TpmEndorsementKeyInfo [-HashAlgorithm] {sha256} [<CommonParameters>]

DESCRIPTION

The Get-TpmEndorsementKeyInfo cmdlet gets information about the endorsement public key and certificates of the Trusted Platform Module (TPM).

PARAMETERS

-HashAlgorithm <String>

Specifies the hash algorithm used for the public key. The acceptable values for this parameter are: Sha256.

Required? false
Position? 1
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

String

This accepts the name of the algorithm, as a string, used to hash the public key. Sha256 is the only supported algorithm.

OUTPUTS

EndorsementKeyObject

This cmdlet generates an EndorsementKeyObject object that contains the following members:

- IsPresent . A Boolean that represents whether the endorsement public key is known to the operating system.
- PublicKey . An AsnEncodedData object that contains the asn.1 encoded public portion of the endorsement key.
- PublicKeyHash . The hash, as a String, of the public key if the cmdlet used a hash algorithm.
- ManufacturerCertificates . A X509Certificate2Collection object that contains the manufacturer endorsement key certificates. This object can contain the manufacturer and platform certificates.
- AdditionalCertificates . A X509Certificate2Collection object that contains a collection of additional endorsement key certificates that are registered to the operating system, such as any enterprise certificates.

NOTES

----- Example 1: Get endorsement key information -----

```
PS C:\> Get-TpmEndorsementKeyInfo -Hash "Sha256"
```

IsPresent : True

PublicKey : System.Security.Cryptography.AsnEncodedData

PublicKeyHash : 70769c52b6e24ef683693c2a0208da68d77e94192e1f4080ae7c9b97c6caa681

ManufacturerCertificates : {[Subject]

OID.2.23.133.2.3=1.2,

OID.2.23.133.2.2=C4T8SOX3.5,

OID.2.23.133.2.1=id:782F345A

[Issuer]

CN=Contoso TPM CA1, OU=Contoso

Certification Authority, O=Contoso, C=KR

[Serial Number]

77A120A

[Not Before]

6/4/2012 6:35:58 PM

[Not After]

6/4/2022 6:35:57 PM

[Thumbprint]

77378D1480AB48FEA2D4E610B2C7EEF648FEA2

}

AdditionalCertificates : {}

This command gets information about the endorsement key of the TPM. The command uses the Sha256 algorithm to hash the public key.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/trustedplatformmodule/get-tpmendorsementkeyinfo?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Trusted Platform Module Cmdlets in Windows PowerShell