Windows PowerShell Get-Help on Cmdlet 'Set-TpmOwnerAuth'

PS:\>Get-HELP Set-TpmOwnerAuth -Full

NAME

    Set-TpmOwnerAuth

SYNOPSIS

    Changes the TPM owner authorization value.

SYNTAX

    Set-TpmOwnerAuth -File <String> -NewOwnerAuthorization <String> [<CommonParameters>]

    Set-TpmOwnerAuth -File <String> -NewFile <String> [<CommonParameters>]

    Set-TpmOwnerAuth [[-OwnerAuthorization] <String>] -NewFile <String> [<CommonParameters>]

    Set-TpmOwnerAuth [[-OwnerAuthorization] <String>] -NewOwnerAuthorization <String> [<CommonParameters>]

DESCRIPTION

    The Set-TpmOwnerAuth cmdlet changes the current owner authorization value of the Trusted Platform Module (TPM) to

a new value. You can specify the current owner

authorization value or specify a file that contains the current owner authorization value. If you do not specify an owner authorization value, the cmdlet attempts to

read the value from the registry.

Use the ConvertTo-TpmOwnerAuth cmdlet to create an owner authorization value. You can specify a new owner authorization value or specify a file that contains the new

value.

An owner authorization file is not a simply a password. It is generated for a specific system. For more information on TPM, see the Trusted Platform Module Technology

Overview (https://technet.microsoft.com/en-us/library/jj131725.aspx)in the Technet library.

PARAMETERS
  -File <String>
    Specifies a file that contains the current owner authorization value for the TPM. You can use the TPM Management Console to create this file.

      Required?   true
      Position?   named
      Default value   None
      Accept pipeline input?   False
      Accept wildcard characters? false

  -NewFile <String>
    Specifies a file that contains the new owner authorization value for a TPM.

      Required?   true
      Position?   named
      Default value   None
      Accept pipeline input?   False
      Accept wildcard characters? false

-NewOwnerAuthorization <String>

Specifies a new owner authorization value for a TPM.

Required?   true

Position?   named

Default value   None

Accept pipeline input?   True (ByValue)

Accept wildcard characters? false

-OwnerAuthorization <String>

Specifies the current owner authorization value for a TPM.

Required?   false

Position?   0

Default value   None

Accept pipeline input?   False

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).

INPUTS

String

This cmdlet accepts the owner authorization value for the TPM.

OUTPUTS

TpmObject

This cmdlet returns a TpmObject object contains the following information:

- TpmReady. Whether a TPM complies with Windows Serverr 2012 standards.

- TpmPresent. Whether there is a TMP on the current computer.

- ManagedAuthLevel. The level at which the operating system manages the owner authorization. Possible values are Legacy, Balanced, and Full.

- OwnerClearDisabled. Whether TPM can be reset. If this value is True, the TPM cannot be reset through the operating system by using the owner authorization
value. If this value is False, the TPM can be reset through the operating system.

- AutoProvisioning. Whether the computer can use auto-provisioning. Possible values are NotDefined, Enabled, Disabled, and DisabledForNextBoot.

- LockedOut. Whether a TPM is locked out.

- SelfTest. Information returned by a test that TPM runs.

NOTES

---- Example 1: Replace imported owner authorization value ----

```
PS C:\> Set-TpmOwnerAuth -NewOwnerAuthorization "h4FCmNeWVNp5IMHxRfFL9QEq4vM="
TpmReady          : True
TpmPresent        : True
ManagedAuthLevel  : Full
OwnerAuth         : h4FCmNeWVNp5IMHxRfFL9QEq4vM=
OwnerClearDisabled : True
AutoProvisioning  : DisabledForNextBoot
```

```
LockedOut        : False

SelfTest         : {191, 191, 245, 191...}
```

This command replaces the current owner authorization value with the specified owner authorization value. The command does not specify the current owner authorization

value, so the cmdlet attempts to find it in the registry. This command does not import the owner authorization value into the registry. After you run this command,

you can use the Import-TpmOwnerAuth cmdlet to import the new value into the registry, if necessary.

Example 2: Replace owner authorization value with value in file

```
PS C:\> Set-TpmOwnerAuth -NewFile "NewOwnerAuth.tpm"

TpmReady         : True

TpmPresent       : True

ManagedAuthLevel : Full

OwnerAuth        : h4FCmNeWVNp5IMHxRfFL9QEq4vM=

OwnerClearDisabled : True

AutoProvisioning : DisabledForNextBoot

LockedOut        : False

SelfTest         : {191, 191, 245, 191...}
```

This command replaces the current owner authorization value with the owner authorization value in the specified file.

--------- Example 3: Replace owner authorization value ---------

```
PS C:\> Set-TpmOwnerAuth -OwnerAuthorization "oaVq17hNcFS2KSnHwpZa4AlrWBo=" -NewOwnerAuthorization "h4FCmNeWVNp5IMHxRfFL9QEq4vM="

TpmReady         : True

TpmPresent       : True

ManagedAuthLevel : Full

OwnerAuth        : h4FCmNeWVNp5IMHxRfFL9QEq4vM=

OwnerClearDisabled : True

AutoProvisioning : DisabledForNextBoot

LockedOut        : False

SelfTest         : {191, 191, 245, 191...}
```

This command replaces the specified owner authorization value with a new owner authorization value.

RELATED LINKS

ConvertTo-TpmOwnerAuth

Import-TpmOwnerAuth