PowerShell Get-Help on command 'Clear-Tpm'

PS C:\Users\wahid> Get-Help Clear-Tpm

NAME

   Clear-Tpm

SYNOPSIS

   Resets a TPM to its default state.

SYNTAX

   Clear-Tpm -File <String> [<CommonParameters>]

   Clear-Tpm [[-OwnerAuthorization] <String>] [-UsePPI] [<CommonParameters>]

DESCRIPTION

   The Clear-Tpm cmdlet resets the Trusted Platform Module (TPM) to its default

   state. A reset removes the owner authorization value and any keys stored in

   the TPM. To reset a TPM, you must provide a valid owner authorization value.

   You can enter an owner authorization value or specify a file that contains the

   value. If you do not provide a value, the cmdlet attempts to use a value

   stored in the registry.

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.

   -OwnerAuthorization <String>

      Specifies the current owner authorization value for the TPM.

   -UsePPI [<SwitchParameter>]

      Use the PPI for the TPM reset. Restart the system for the changes to take
      effect. The restart might require user input to approve the clear request.

   <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).

   ---------------------- Example 1: Reset TPM ---------------------

   Clear-Tpm

   TpmReady   : False
   TpmPresent   : True
   ManagedAuthLevel   : Full
   OwnerAuth   :
   OwnerClearDisabled : True
   AutoProvisioning   : Disabled

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

This command resets the TPM. The command uses the owner authorization value

stored in the registry instead of specifying a value or using a value in a

file.

--- Example 2: Reset TPM with a supplied authorization value ---

```
Clear-Tpm -OwnerAuthorization "vjnuW6rToM41os3xxEpjLdIW2gA="
```

```
TpmReady         : False
TpmPresent       : True
ManagedAuthLevel   : Full
OwnerAuth        :
OwnerClearDisabled : True
AutoProvisioning   : Disabled
LockedOut        : False
SelfTest         : {191, 191, 245, 191...}
```

This command resets the TPM by using the specified owner authorization value.

--- Example 3: Reset TPM using authorization value from file ---

```
Clear-Tpm -File "MyOwnerAuthFile.tpm"
```

```
TpmReady         : False
TpmPresent       : True
ManagedAuthLevel   : Full
OwnerAuth        :
OwnerClearDisabled : True
AutoProvisioning   : Disabled
LockedOut        : False
SelfTest         : {191, 191, 245, 191...}
```

This command resets the TPM by using the owner authorization value included in the specified file.

---- Example 4: Reset TPM with Physical Presence Interface ----

Clear-Tpm -UsePPI

TpmReady   : False

TpmPresent   : True

ManagedAuthLevel : Full

OwnerAuth   :

OwnerClearDisabled : True

AutoProvisioning : Disabled

LockedOut   : False

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

This command resets the TPM by using the Physical Presence Interface (PPI).

The PPI does not use a value for owner authorization.

Restart the system for the clear action to take effect. The restart might require user input to approve the clear request.

REMARKS

To see the examples, type: "get-help Clear-Tpm -examples".

For more information, type: "get-help Clear-Tpm -detailed".

For technical information, type: "get-help Clear-Tpm -full".

For online help, type: "get-help Clear-Tpm -online"