

1. Enable-TlsCipherSuite

The Enable-TlsCipherSuite cmdlet enables a cipher suite. This cmdlet adds the cipher suite to the list of Transport Layer Security (TLS) protocol cipher suites for the computer. If you do not specify a position in the list, this cmdlet adds it at the lowest position. No restart is required for changes to take effect.

Syntax

Enable-TlsCipherSuite

```
[[-Position] <UInt32>]
[-Name] <String>
[-Whatif]
[-Confirm]
[<CommonParameters>]
```

Examples

Example 1: Enable a cipher suite

```
Enable-TlsCipherSuite -Name "TLS_DHE_DSS_WITH_AES_256_CBC_SHA"
```

This command enables cipher suite named TLS_DHE_DSS_WITH_AES_256_CBC_SHA. This command adds the cipher suite the TLS cipher suite list as the lowest priority.

Example 2: Enable a cipher suite as the lowest priority

```
Enable-TlsCipherSuite -Name "TLS_DHE_DSS_WITH_AES_256_CBC_SHA" -
Position 4294967295
```

This command enables cipher suite named TLS_DHE_DSS_WITH_AES_256_CBC_SHA. This command adds the cipher suite the TLS cipher suite list as the lowest priority. Unlike the first example, this command explicitly specifies position number 4294967295, which is the value of CRYPT_PRIORITY_BOTTOM.

Example 3: Enable a cipher suite as the highest priority

```
Enable-TlsCipherSuite -Name "TLS_DHE_DSS_WITH_AES_256_CBC_SHA" -
Position 0
```

This command enables cipher suite named TLS_DHE_DSS_WITH_AES_256_CBC_SHA. This command adds the cipher suite the TLS cipher suite list at position 0, which is the highest priority.

2. Enable-TlsEccCurve

Enables Elliptic Curve Cryptography (ECC) cipher suites available for TLS for a computer.

Syntax

Enable-TlsEccCurve

```
[[[-Position] <UInt32>]  
[-Name] <String>  
[-WhatIf]  
[-Confirm]  
[<CommonParameters>]
```

Examples

Example: Disable a cipher suite

Enable-TlsEccCurve "NistP384" -Position 0

This command enables Elliptic Curve Cryptography cipher suite named "NistP384" at position 0, which is the highest priority.

3. Disable-TlsCipherSuite

The **Disable-TlsCipherSuite** cmdlet disables a cipher suite. This cmdlet removes the cipher suite from the list of Transport Layer Security (TLS) protocol cipher suites for the computer.

Syntax

Disable-TlsCipherSuite

```
[-Name] <String>  
[-WhatIf]  
[-Confirm]  
[<CommonParameters>]
```

Example: Disable a cipher suite

Disable-TlsCipherSuite -Name "TLS_RSA_WITH_3DES_EDE_CBC_SHA"

This command disables the cipher suite named TLS_RSA_WITH_3DES_EDE_CBC_SHA. The command removes the cipher suite from the list of TLS protocol cipher suites.

Disable-TlsEccCurve

Disables the Elliptic Curve Cryptography (ECC) cipher suites available for TLS(Transport Layer Security) for a computer.

Syntax

Disable-TlsEccCurve

[-Name] <String>

[-WhatIf]

[-Confirm]

[<CommonParameters>]

Examples

Example: Disable a cipher suite

Disable-TlsEccCurve -Name curve25519

This will disable the ECC Curve "curve25519".