



## Windows 7 – Enabling TLS 1.2

The following information has been taken from the Microsoft Support site. Click on the following link to view the full article:

[Microsoft Support – Full technical article](#)

### Easy Fix

To add the DefaultSecureProtocols registry subkey automatically, click the **Download** button. In the **File Download** dialog box, click **Run or Open**, and then follow the steps in the easy fix wizard.

#### Notes

- This wizard may be in English only. However, the automatic fix also works for other language versions of Windows.
- If you are not on the computer that has the problem, save the easy fix solution to a flash drive or a CD and then run it on the computer that has the problem.

[\*\*Download\*\*](#)

**Note:** In addition to the DefaultSecureProtocols registry subkey, the Easy fix also adds the SecureProtocols at the following location to help enable TLS 1.1 and 1.2 for Internet Explorer.

The SecureProtocols registry entry that has value 0xA80 for enabling TLS 1.1 and 1.2 will be added in the following paths:

HKEY\_CURRENT\_USER\Software\Microsoft\Windows\CurrentVersion\Internet Settings  
HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Internet Settings

### Enable TLS 1.2 on Windows 7 at the SChannel component level

Per the [TLS-SSL Settings article](#), for TLS 1.2 to be enabled and negotiated on Windows 7, you **MUST** create the "DisabledByDefault" entry in the appropriate subkey (Client) and set it to "0". This subkey will not be created in the registry since these protocols are disabled by default.



## Easy Fix (cont'd)

Create the necessary subkey for TLS 1.2; create the DisabledByDefault DWORD values and set it to 0 in the following locations:

### FOR TLS 1.1

**Registry location:**

HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\  
SCHANNEL\Protocols\TLS 1.1\Client

**DWORD name:** DisabledByDefault

**DWORD value:** 0

### FOR TLS 1.2

**Registry location:**

HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\  
SCHANNEL\Protocols\TLS 1.2\Client

**DWORD name:** DisabledByDefault

**DWORD value:** 0