

I am working with MATLAB 7.14 (R2012a) 64-bit. I need to setup a compiler configuration for MATLAB on my system.

When I try to execute the following MATLAB command:

```
mex -setup
```

I receive the following error:

```
No supported SDK or compiler was found on this computer.  
For a list of supported compilers, see  
<http://www.mathworks.com/support/compilers/R2012a/win64.html>
```

If I try to install Microsoft Windows SDK 7.1, a supported compiler for MATLAB 7.14 (R2012a), on my system, the installation fails with the following error message:

This is an issue with Microsoft Windows SDK 7.1. It may occur under two scenarios:

1. If you have Microsoft Visual C++ 2010 SP1 (Express or Professional) installed.
2. If you have Microsoft Visual C++ 2010 redistributable packages (x64 or x86) installed.

The details on the issue from Microsoft are below:

<http://support.microsoft.com/kb/2717426>

<http://support.microsoft.com/kb/2519277>

To avoid this issue:

1. Uninstall the Microsoft Visual C++ 2010 redistributable packages (both x86 as well as x64) from "Control Panel" > "Programs and Features". If you have trouble uninstalling them, see related solution 1-NBI41W at the bottom.
2. Install the Windows SDK 7.1. During installation, under the "Installation Options" menu, UNCHECK the "Visual C++ Compilers" and "Microsoft Visual C++ 2010" components.
3. Apply the SDK 7.1 patch from below:

<http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&id=4422>

4. Reinstall the Microsoft Visual C++ 2010 redistributable packages.

x64:

<http://www.microsoft.com/en-us/download/details.aspx?id=14632>

x86:

<http://www.microsoft.com/en-us/download/details.aspx?id=5555>