This document lists all the registry keys used by post-rewrite versions of VxKex. Keys which are marked with **(•)** are considered owned by VxKex, and their values and subkeys may be deleted or changed without consideration for the system or other applications. Such keys must be deleted when VxKex is uninstalled.

**HKEY\_LOCAL\_MACHINE\Software\VXsoft\VxKex (•)**

* InstalledVersion (*REG\_SZ*)  
  Contains the version number of the currently installed VxKex.  
  The version number is 0x80000000 plus the build number.
* KexDir (*REG\_SZ*)  
  Contains a Win32 path representing the installation directory.

There is no trailing backslash.

* LogDir (*REG\_SZ*)  
  Contains a Win32 path representing the system-wide fallback log directory.  
  There is no trailing backslash.
* DisableLogging (*REG\_DWORD*)  
  If present and non-zero, no log files are created.

**HKEY\_CURRENT\_USER\Software\Vxsoft\VxKex (•)**

* LogDir (*REG\_SZ*)  
  Overrides the HKLM equivalent if present.
* DisableLogging (*REG\_DWORD*)  
  Overrides the HKLM equivalent if present.

**HKEY\_LOCAL\_MACHINE\Software\Microsoft\Windows NT\CurrentVersion\Image File Execution Options**

* {VxKexPropagationVirtualKey} **(•)**Used during VxKex propagation. The contents are the same as for a normal IFEO key. The propagation component inside KexDll substitutes this key for the normal IFEO key (see propagte.c).
* <program name>.exe (*key*)
  + UseFilter (*REG\_DWORD*)   
    From Windows 7 onwards, this value is used by NTDLL. The registry key structure used in Image File Execution Options is prone to name conflicts, which is why “UseFilter” was added. If this value is present and non-zero, the NTDLL loader will enumerate the sub-keys of <program name>.exe. For each sub-key, the loader will check whether there is a value named “FilterFullPath” (*REG\_SZ*). If this value's data contains the full path to the currently running executable, the loader will behave as if the sub-key that contains “FilterFullPath” is the IFEO key for the process.
  + VxKex\_XXXXXXXX (*key*) **(•)**The XXXXXXXX represents an 8-digit random hexadecimal identifier which is automatically generated by the configuration library in order to avoid naming conflicts. The exact name of this key is not significant to Windows, but the key should begin with “VxKex\_” so that the configuration library can recognize it.
    - FilterFullPath (*REG\_SZ*)  
      See the comment for UseFilter.
    - GlobalFlag (*REG\_DWORD*)  
      The configurator sets/clears FLG\_APPLICATION\_VERIFIER in order to enable or disable VxKex.
    - VerifierFlags (*REG\_DWORD*)  
      The configurator sets this to 0x80000000 when enabling VxKex in order to disable page heap.
    - VerifierDlls (*REG\_SZ*)  
      Space separated list of DLLs to load as verifier providers. The configurator adds/removes "KexDll.dll" from this list to enable or disable VxKex for a particular program.
    - KEX\_DisableForChild (*REG\_DWORD*)  
      Normally, VxKex propagates to child processes (propagte.c). If this value is present and non-zero, VxKex will not propagate to child processes.
    - KEX\_DisableAppSpecific (*REG\_DWORD*)  
      VxKex may use app-specific hacks or patches to get certain applications to run. If this value is present and non-zero, VxKex will not use app-specific hacks or patches.
    - KEX\_WinVerSpoof (*REG\_DWORD*)  
      This value controls Windows version spoofing.

See the KEX\_WIN\_VER\_SPOOF enumeration for valid values of this key.

* + - KEX\_StrongVersionSpoof (*REG\_DWORD*)  
      This value is a bit-field containing additional options for the version spoofer.

See the KEX\_STRONGSPOOF\_\* definitions and verspoof.c for more information.

**HKEY\_CLASSES\_ROOT\CLSID\{9AACA888-A5F5-4C01-852E-8A2005C1D45F} (•)**

* InProcServer32 (*key*)
  + (*Default*) (*REG\_SZ*)  
    Always equal to <KexDir>\KexShlEx.dll.
  + ThreadingModel (*REG\_SZ*)  
    Always equal to “Apartment”.

**HKEY\_CLASSES\_ROOT\exefile\shellex\PropertySheetHandlers\KexShlEx Property Page (•)**

* (*Default*) (*REG\_SZ*)  
  Always equal to “{9AACA888-A5F5-4C01-852E-8A2005C1D45F }”.