Vacs COM Interface Installation

Modules: Vacs, VacsViewer, VacsPro (under development)

Version: 0.9.10

Note, the procedures here described are usually done automatically during installation and not necessary for normal operation.

Introduction

"AutoVacs" is the Interface, which connects clients to Vacs for data-exchange.

On Windows OS the data-exchange mechanism is called "COM", which is deeply built into the operating system (the "COM"-port is something different and refers to the name of a cable-series-connection of the computer).

The Interface name is:

    AutoVacs

The GUID of AutoVacs is

    BBF00EC7-A767-4284-8CED-FD0819F13037

Installation

The COM Interface needs to be registered with Windows before it can be used. The registration is just a couple of entries in the Windows System database "Registry". There is no active component necessary (such as a service). In order to install/un-install the interface call Vacs.exe or VacsViewer.exe with following program-parameter:

**Installation**

    Vacs.exe /REGSERVER
    VacsViewer.exe /REGSERVER

**De-installation**

    Vacs.exe /UNREGSERVER
If Vacs or VacsViewer finds these program-parameter during start-up it will divert into registration-mode and then terminate immediately. This is common practice to deal with COM-interfaces.

If you run the installer of Vacs or VacsViewer it will do these calls for you.

User Rights

In order to register/un-register you would need to be logged on with "Administrator" rights because COM-parameters are entered into a protected area of the Registry database.

Because installation is typically performed under admin-rights the registration is preferably done during the installation-session.

Manually Registering

1. First log on as administrator (Vista special see below).
2. Open the command console (Start menu > Run > Cmd).
3. In Cmd navigate to: C:\Program files\RDTeam\Vacs
4. For registration type Vacs.exe /REGSERVER,
   for un-registration type Vacs.exe /UNREGSERVER
5. Press enter.

Cmd

For VacsViewer replace "Vacs" by "VacsViewer".

In Cmd you navigate to a drive by typing in the drive name followed by ":". In order to change directory type "CD" followed by the directory path, for example:

   > C:

   > CD Program files\RDTeam\Vacs
Windows Vista User Rights

The above does not work under Windows Vista because the file (Vacs.exe) needs to be run explicitly in administrator rights. Vacs.exe /REGSERVER would rise an error and Vacs.exe /UNREGSERVER would do nothing.

Under Vista and before you do the above procedure you would have to elevate Vacs.exe or VacsViewer.exe into administrator mode. Locate Vacs.exe or VacsViewer.exe, right click and open The Properties-Dialog on page Compatibility. There check "Run this program as an administrator".

Once you registered or un-registered the COM interface go back to this dialog and un-check the Privilege Level.

Registry Entries

If Vacs or VacsViewer has been successfully registered then you should find certain entries in the Registry.

In order to view those entries do the following.

- Open the RegEdit or a similar tool (Start menu > Run > type "RegEdit").
- In RegEdit issue menu Edit > Find.
- In Find-Dialog enter "AutoVacs" (no quotes), check all of "Look at", un-check "Match whole string only".
Press "Find" and in order to find the next item issue "Find next". Searching may take a bit time.

![RegEdit Edit > Find Dialog](image)

You should find six entries at following locations and with following values:

- `\CLSID\{D3F906AD-FCAE-46B9-A5BD-D61375C018B9}\` = "AutoVacs Object Create and maintain graphs via VIP"
- `LocalServer = C:\Program Files\RDTeam\Vacs\Vacs.exe`
- `ProgID = Vacs.AutoVacs`
- `TypeLib = {BBF08EC7-A767-4284-8CED-FD0819F13037}`
- `Version = 1.0`
- `\Interface\{9713CDB0-43CC-48BE-B645-BE3966A63B04\} = IAutoVacs`
- `ProxyStubClsid = {00020424-0000-0000-C000-000000000046}`
- `ProxyStubClsid32 = {00020424-0000-0000-C000-000000000046}`
- `TypeLib = {BBF08EC7-A767-4284-8CED-FD0819F13037}`
- `\Vacs.AutoVacs = AutoVacs Object Create and maintain graphs via VIP`
- `Clsid = {D3F906AD-FCAE-46B9-A5BD-D61375C018B9}`

These entries are there twice, at:

- My Computer\HKEY_CLASSES_ROOT
- and at
  - My Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Classes

For VacsViewer replace "Vacs" by "VacsViewer".