



VISUAL Debugger 5250 Edition

Installation Guide

5.2

VD-5250

tango04
Computing Group

Solutions for Advancing People

VISUAL Debugger 5250 Edition Installation Guide

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How to Use this Guide

This chapter explains how to use Tango/04 User Guides and understand the typographical conventions used in all Tango/04 documentation.

Typographical Conventions

The following conventional terms, text formats, and symbols are used throughout Tango/04 printed documentation:

Convention	Description
Boldface	Commands, on-screen buttons and menu options.
<i>Blue Italic</i>	References and links to other sections in the manual or further documentation containing relevant information.
<i>Italic</i>	Text displayed on screen, or variables where the user must substitute their own details.
Monospace	Input commands such as System i commands or code, or text that users must type in.
UPPERCASE	Keyboard keys, such as CTRL for the Control key and F5 for the function key that is labeled F5.
	Notes and useful additional information.
	Tips and hints that will improve the users experience of working with this product.
	Important additional information that the user is strongly advised to note.
	Warning information. Failure to take note of this information could potentially lead to serious problems.

How to Install VISUAL Debugger 5250

1.1 About this version

This version of VISUAL Debugger installs the AS/400 module that will be stored in a product library named VISUAL. When you install VISUAL Debugger 5250 for the first time you should check if this library already exists in your system. If it does, rename the existing library to VISUALOLD before installing VISUAL Debugger 5250.

1.2 Software requirements

VISUAL Debugger version 5.X.X RISC is compatible with OS/400 V3R6M0 to V5R4M0.

VISUAL Debugger version 5.XX CISC is compatible with OS/400 V2R3 to V3R2.

VISUAL Debugger 5250 cannot debug ILE programs. See the [VISUAL Message Center Debugging Agent User Guide](#) to get more information about debugging with ILE.

1.3 Software installation

If you have a previous version of VISUAL Debugger already installed on your system you can automatically convert the authorization code and statistical data to the new version by renaming the product library VISUAL to VISUALOLD before installing the new version. The VISUALOLD library is automatically deleted after installation.

1.3.1 Installation from DVD

Run the DEMO.EXE or the DEMO32.EXE programs from the root directory of the DVD and navigate to find the installation button of the program. Follow the installation instructions from the program.

1.4 How does the installation of Tango/04 programs work?

This section explains what the installation from the PC to the AS/400 needs in order to work and what steps are performed.

1.4.1 Installation procedures

You can access the installation program from the Tango/04 product DVD or download it from the Tango/04 Web site. The installation program sends the product library from the PC to the AS/400.

Windows

The installation works with a 16 bit router, a 32 bit router (Client Access, NS/Portfolio, Rumba Router) or TCP/IP using the Winsock version that comes with Windows. Be aware that the installation doesn't work with SNA Server.

Using a 16 bit APPC connection the installation uses more than the default router functions (the functions that an emulation session uses, which are implemented in the EHNAPPC.DLL file). The installation needs a file transfer (the EHNTFW.DLL) and submit remote command (EHNSRW.DLL) support from the router. For example, NetSoft had a product called NS Midrange Bundle that includes NS/Router, NS/Transfer, and NS/Commander. The installation needed all three components. On the contrary, the 16 bit version of Rally! from Attachmate came with NS/Router but not the other DLLs.

For the 32 bit APPC installation this is not necessary, it works with any 32-bit router compatible with the Client Access APIs (Application Programming Interface).

The TCP/IP installation uses the FTP service on the AS/400, so this service has to be started on the target AS/400 before installing. Of course, the TCP/IP protocol has to be started and configured properly both on the AS/400 and in the PC. If you get any error trying to establish the connection try to start an FTP session from a DOS session.

To obtain more information about possible problems using APPC connections, see our website.

1.4.2 Installation steps

In all our installations from the PC to the AS/400, the steps to install our product are more or less the same. For example, for the installation of VISUAL Support:

- Step 1.** We send two files from the PC to the AS/400. A physical file (QGPL\VSCREENP) and a REXX source file (QGPL\VSCREENR).
- Step 2.** We run the STRREXPRC command to create a SAVF (called QGPL\VSCREEN) from this physical file.
- Step 3.** After this we create the VSCREEN library using the command: RSTLIB SAVLIB(VSCREEN) DEV(*SAVF) SAVF(QTGPL/VSCREEN)
- Step 4.** We perform the last installation command to complete the installation: VSCREEN/INSTALL
- Step 5.** We delete all the temporary files on the AS/400 (QGPL/VSCREEN, QGPL/VSCREENP, QGPL/VSCREENR) and the temporary directory (TANGOINS) on the PC.

Step number four is not performed when installing VISUAL Message Center iSeries Performance Manager. This is a special case. As the INSTALL needs some user interaction, the customer has to run the JOBCTL/INSTALL command in an emulation session.

The names of the files are different depending on the product. For VISUAL Message Center Performance Agent, the files are called JOBCTLPF (the physical file), JOBCTLRX (the REXX source file) and the library is called JOBCTL. In the case of VISUAL Message Center Debugging Agent the files are VISUALWP, VISUALWR and the library is VISUALW.

The VISUAL Message Center iSeries Performance Manager product includes a component necessary for the VISUAL Message Center Performance Agent product. VISUAL Message Center Performance Agent doesn't have a separate installation on the AS/400, it is included within the VISUAL Message Center iSeries Performance Manager. Be aware that you need to install VISUAL Message Center iSeries Performance Manager on the AS/400 before trying to use VISUAL Message Center Performance Agent.

Each product requires its own authorization code to operate. When installing VISUAL Message Center Performance Agent for example, you must install VISUAL Message Center iSeries Performance Manager on the AS/400, but you only enter a code for VISUAL Message Center Performance Agent if that is the only product that you want to work with.

1.5 Removing VISUAL Debugger 5250 from your system

To remove VISUAL Debugger 5250 from the AS/400 side, delete the library.

1.6 Problems during the installation - possible workarounds

1.6.1 Installing without being QSECOFR.

The user should be connected using the QSECOFR user profile. If you don't use this profile sometimes there are errors during the `INSTALL` or `RSTLIB` commands. A typical mistake using APPC routers is that the customer opens an emulation session as QSECOFR and then runs the installation. The QSECOFR user profile must be used to start the router or the FTP connection.



Note

An emulation session is not needed during the installation procedure (only to run the `JOBCTL/INSTALL` command after installing VISUAL Message Center iSeries Performance Manager).

1.6.2 Installing using TCP/IP the connection doesn't work

In order to install using TCP/IP the TCP/IP protocol must be started on the AS/400 and the FTP service must be running. To start the TCP/IP services on your target AS/400, use the `STRTCP` command. To start the FTP service run `STRTCPSVR *FTP`.

1.7 Reporting a Problem to Tango/04 Computing Group

In general we need the following information:

- If the problem happens on an AS/400 product (VISUAL Message Center iSeries Performance Manager, VISUAL Message Center Debugging Agent) we need the version of the OS/400, the version of the installed product and any error on the AS/400 (`QSYSOPR` message queue, `JOBLOG`, etc).
- If the problem happens on the PC without any error message (usually because the PC hangs). We need a description of the error (error protection fault, blue screen, etc), in what moment the error happened, version of Windows running on the PC and the type of communication between the PC and the AS/400. In these cases the error usually doesn't come from the AS/400.
- If any error message appears on the PC: In this case, apart from the previous information we need any possible error on the AS/400 (`QSYSOPR` message queue, `JOBLOG`, etc). This is important because the error in the PC can be produced by a previous error on the AS/400.
- If the error happens when running VISUAL Message Center Performance Agent, VISUAL Message Center iSeries Support Agent or VISUAL Message Center Debugging Agent sometimes it is necessary for us to have the trace files from NiceLink.



Important

If an error message appears on the PC, press Help before closing the error window.

Appendix A

Contacting Tango/04

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About Tango/04 Computing Group

Tango/04 Computing Group is one of the leading developers of systems management and automation software. Tango/04 software helps companies maintain the operating health of all their business processes, improve service levels, increase productivity, and reduce costs through intelligent management of their IT infrastructure.

Founded in 1991 in Barcelona, Spain, Tango/04 is an IBM Business Partner and a key member of IBM's Autonomic Computing initiative. Tango/04 has more than a thousand customers who are served by over 35 authorized Business Partners around the world.

Alliances



Partnerships

- IBM Business Partner
- IBM Autonomic Computing Business Partner
- IBM PartnerWorld for Developers Advanced Membership
- IBM ISV Advantage Agreement
- IBM Early code release
- IBM Direct Technical Liaison
- Microsoft Developer Network
- Microsoft Early Code Release

Awards



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