

MEMORANDUM

Datgel Pty Ltd
Suite 8, Level 1, The Hub
89 - 97 Jones St, Ultimo NSW 2007 Australia

Tel: +61 2 8202 8600
Fax: +61 2 8202 8606
Email: info@datgel.com

To: Administrators **Date:** 17 June 2009

From: Phil Wade **Job No:**

Copy: **Doc No:**

RE: **Installation of gINT on an Application Server (Terminal Services)**

1 Introduction

If the performance of gINT deteriorates to an unacceptable level, then we recommend the use of an Application Server such as Microsoft Terminal Server or Citrix. The advantages of an Application Server are:

- Data access speed issues are minimised if the databases are stored on the computer with the gINT application installation.
- Program updates and configurations can be implemented on one computer, as opposed to numerous clients.
- One high spec server does the processing, eliminating the need to purchase multiple high spec client PCs.
- Significantly less network bandwidth is used by the Geotechnical Database system.

2 Installation considerations for Terminal Services

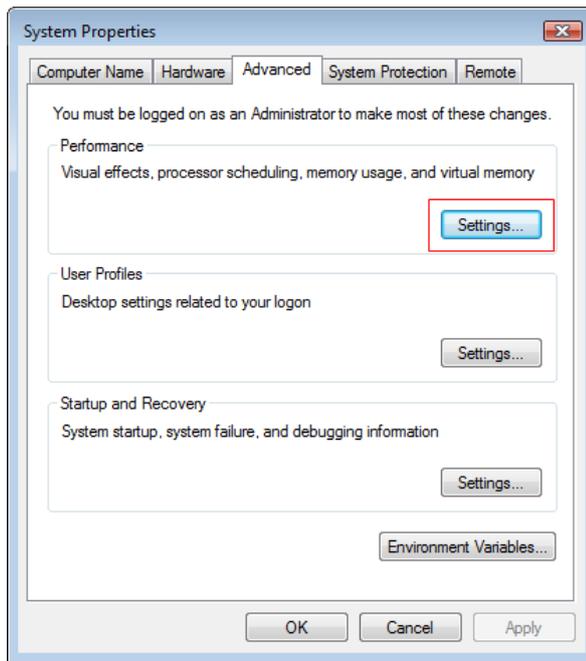
1. All program installations must be done in **Control Panel > Add/Remove Programs** dialog. Open **Add/Remove Programs** dialog, and select the second tab on the left - **Add New Programs**.

2. Windows Data Execution Prevention (DEP)

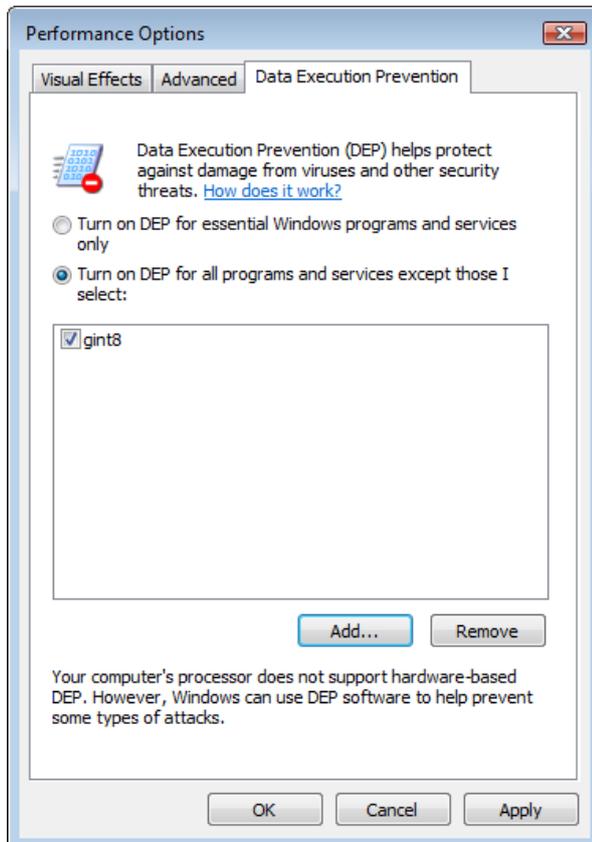
When using gINT on a Windows Vista or Windows Server 2003 system, you may encounter access problems when opening gINT. This problem is related to the DEP (Data Execution Prevention) Settings. By default DEP is turned on in Windows Vista and Windows Server 2003, but not in Windows XP.

To disable DEP when running gINT, follow the steps below:

- a) Open **Control Panel > System Properties**.
- b) Select **Advanced** tab and click on **Settings** in the *Performance* section.



- c) In the **Performance Options** dialog, select the **Data Execution Prevention** tab.
- d) If the option to “*Turn on DEP for all programs and services...*” is checked, then click **Add** and browse to the gINT8.exe file. The default location for this file is “C:\Program Files\gINT\bin\gint8.exe”.



- e) Click **Apply** to save the changes.

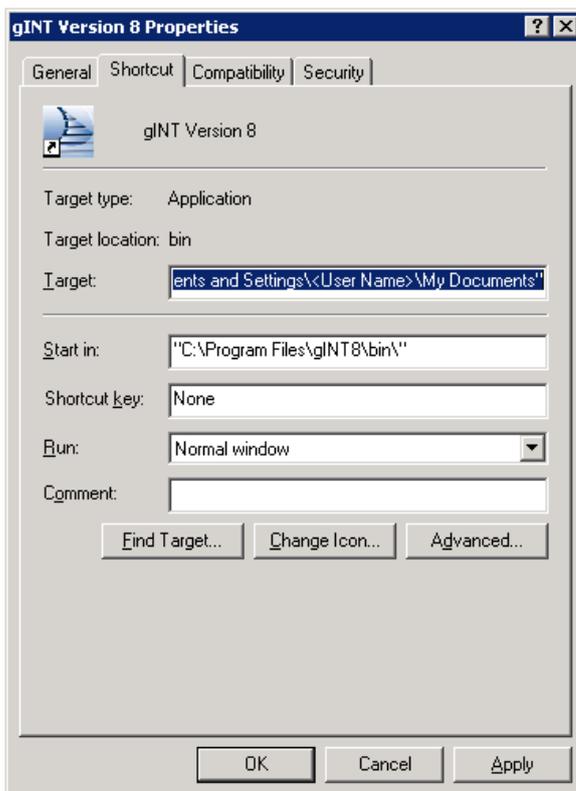
3 Adding a New gINT User on Windows Server 2003

The `setup.gsh` file, which is normally stored in the "C:\Program Files\gINT\Settings" directory, stores general gINT environment settings, such as default locations of gINT files as well as a recent history of opened gINT files. Users who cannot access the Settings directory will have difficulty opening gINT, and if multiple users hit on the same `Setup.gsh` file it will become corrupt regularly and each user will not have their personal setting retained. To resolve this, the `setup.gsh` file must be copied into the user's My Documents directory, and accessed from there.

1. Browse to C:\Program Files\gINT\Settings and save a copy of the file `setup.gsh` to another location. Then delete this file from the Settings directory.
2. Copy the `setup.gsh` file into C:\Documents and Settings\\My Documents, where *<user name>* is the user's login name.
3. Copy the gINT 8 shortcut from the desktop and paste it into C:\Documents and Settings\\Desktop.
4. Right click on the gINT 8 shortcut file, and go to the Shortcut tab.
5. Change the Target field to:

"C:\program files\gint\bin\gint8.exe" /SETUP="C:\Documents and Settings\\My Documents"

where *<User Name>* is the user's login name.



6. Repeat steps 2 to 4 for every user as required.