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RELEASE NOTES

GeneMapper® *ID-X* Software Hotfix_20110620

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July 2011

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SOFTWARE OVERVIEW

GeneMapper® *ID-X* Software Hotfix_20110620 (hereafter referred to as Hotfix_20110620) is a software update to fix installation and login problems that occur on systems with certain Media Access Control (MAC) addresses. A MAC address is a unique identifier assigned to network interfaces for communications on a physical network. Currently, one of Microsoft's Application Programming Interfaces (API's) does not function consistently on computers with certain MAC addresses running Windows XP OS (refer to BEFORE INSTALLATION OF HOTFIX_20110620; SPECIAL CONSIDERATIONS below for more information). Therefore, GeneMapper® *ID-X* Software Hotfix_20110620 includes system level changes to circumvent the usage of the Microsoft API. Hotfix_20110620 does not include software changes that impact data interpretation or the rules governing the analytical process. Each laboratory should decide if any concordance testing is necessary based on this system level change.

DESCRIPTION OF GENEMAPPER® ID-X SOFTWARE HOTFIX_20110620

On computers with certain MAC addresses, users are unable to complete installation and/or launch GeneMapper® *ID-X* Software (some MAC addresses have been identified; a comprehensive list of MAC addresses that prevent installation is unknown at the time of this release). Affected systems impact all GeneMapper® *ID-X* Software versions (v1.0.1, v1.1, v1.1.1, v1.1.2, v1.2 and v1.2.1). For a

list of symptoms, refer to BEFORE INSTALLATION OF HOTFIX_20110620; SPECIAL CONSIDERATIONS.

Hotfix_20110620 enables successful installation and launch of GeneMapper® *ID-X* Software on a computer with any MAC address.

Installation of Hotfix_20110620 does not change the software version number. Refer to VERIFICATION OF INSTALLATION OF HOTFIX_20110620 for more information.

Hotfix_20110620 is designed as an interim solution to enable all currently supported versions of GeneMapper® *ID-X* Software to continue to operate on new computers with any MAC address. The software fix contained in this release will be included in all future releases of GeneMapper® *ID-X* Software.

SYSTEM REQUIREMENTS

The system requirements for Hotfix_20110620 are consistent with previous releases of GeneMapper® *ID-X* Software. Please refer to the relevant GeneMapper® *ID-X* Software v1.x installation guide for information on system requirements.

BEFORE INSTALLATION OF HOTFIX_20110620; SPECIAL CONSIDERATIONS

1. If users have performed a successful standard installation and launch of GeneMapper® *ID-X* Software (v1.0.1, v1.1.X and v1.2.X), application of Hotfix_20110620 is not necessary.

2. Before applying Hotfix_20110620, users must have attempted to install a released version of GeneMapper® *ID-X* Software.

3. For systems with affected MAC addresses, users may encounter one of the following symptoms:

- For GeneMapper® *ID-X* Software v1.0.1 and v1.2, software installation appears complete; however, at login screen, clicking the 'OK' button appears to have no affect on the system and the application will not run.

- For GeneMapper® *ID-X* Software v1.1, installation is interrupted by an internal system process, requiring the user to intervene through the Windows Task Manager.

4. To perform installation, users must log onto the local computer and have administrator privileges.

   NOTE: Logging onto a network domain with administrative privileges is not sufficient.

5. For each system that cannot complete installation and software launch, users are recommended to update each affected instance of the GeneMapper® *ID-X* Software with Hotfix_20110620. Computers with Hotfix_20110620 applied may run in the same laboratory environment with those that do not require Hotfix_20110620.

6. Users may need to disable Windows® firewall during the installation of GeneMapper® *ID-X* Software.

NOTE: We anticipate application of Hotfix_20110620 will be required with an increasing number of new computer purchases due to the issue with MAC addresses outlined in DESCRIPTION OF GENEMAPPER® *ID-X* SOFTWARE HOTFIX_20110620.

IMPORTANT! Users are recommended to back up all pertinent data before performing upgrades.

INSTALLATION OF HOTFIX_20110620 FOR GENEMAPPER® ID-X SOFTWARE V1.0.1

We recommend the following steps:

>Step 1: Perform a fresh installation of GeneMapper® *ID-X* Software (v1.0).
>Step 2: Launch the Hotfix_20110620 .exe file and follow instructions in the InstallShield Wizard.
>Step 3: Insert GeneMapper® *ID-X* Software v.1.0.1 upgrade disk and follow instructions in previous upgrade release.
>Step 4: Launch the GeneMapper® *ID-X* Software.
>
>NOTE: GeneMapper® *ID-X* Software v1.1 requires additional user steps to complete the InstallShield Wizard installation successfully (see INSTALLATION OF HOTFIX_20110620 FOR GENEMAPPER® *ID-X* SOFTWARE V1.1 below).
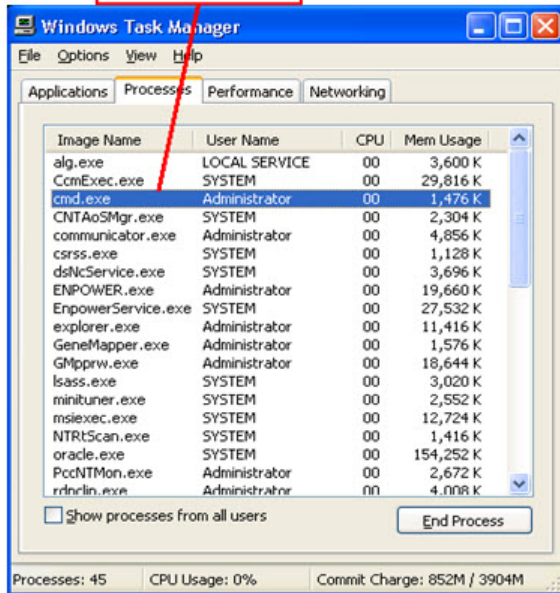
INSTALLATION OF HOTFIX_20110620 FOR GENEMAPPER® ID-X SOFTWARE v1.1
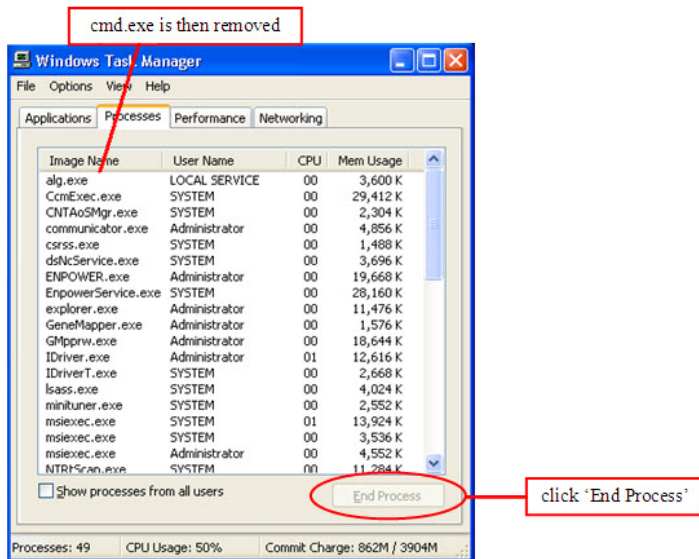
We recommend the following steps:

1. Perform a fresh installation of GeneMapper® *ID-X* Software v1.1.

2. After the 'Importing Data' dialog box is visible on the screen, launch Windows Task Manager.

3. In the Processes tab of the Windows Task Manager, cmd.exe appears and installation is unable to proceed (cmd.exe may not appear immediately after launching Windows Task Manager).

   IMPORTANT! DO NOT attempt 'End task' in the Applications tab of the Windows Task Manager.
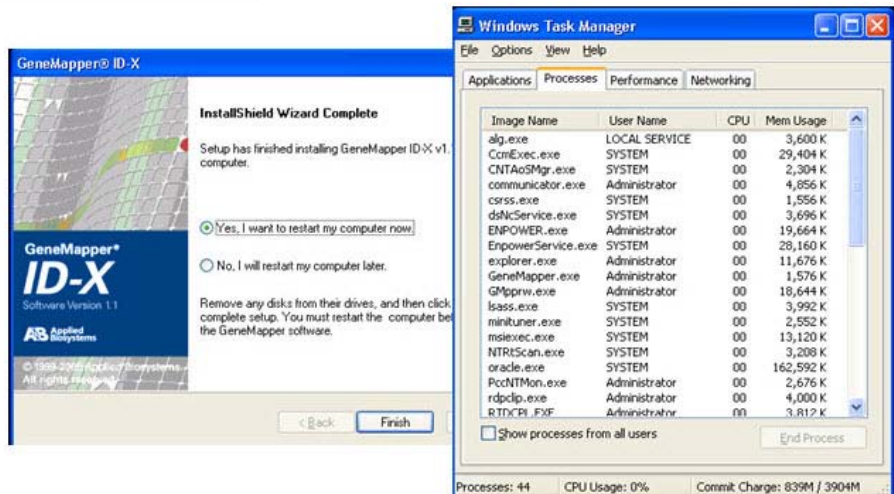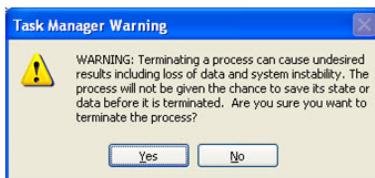
cmd.exe interrupts installation

4. End the cmd.exe process by selecting it in the list and clicking 'End Process'.

cmd.exe is then removed

click 'End Process'

5. Click 'Yes' in the Task Manager Warning message and restart the system.

6. After the system restarts, install Hotfix_20110620. Wait for the InstallShield Wizard to complete, then click 'Finish' and launch GeneMapper® *ID-X* Software.

After Hotfix_20110620 is applied to the base software version (v1.1), subsequent upgrade (v1.1.1 or v1.1.2) can be applied as per instructions related to previous upgrade releases. Users are recommended to back up all pertinent data before performing upgrades.

INSTALLATION OF HOTFIX_20110620 FOR GENEMAPPER® *ID-X* SOFTWARE V1.2

We recommend the following steps:

Step 1: Perform a fresh installation of GeneMapper® *ID-X* Software (v1.2).
Step 2: Launch the Hotfix_20110620 .exe file and follow instructions in the InstallShield Wizard.
Step 3: Launch the GeneMapper® *ID-X* Software.

After Hotfix_20110620 is applied to the base software version (v1.2), subsequent upgrades (v1.2.1) can be applied as per instructions related to previous upgrade releases. Users are recommended to back up all pertinent data before performing upgrades.

UPGRADE FROM GENEMAPPER® ID-X SOFTWARE V1.1.X TO V1.2 AND INSTALLATION OF HOTFIX_20110620

If software GeneMapper® *ID-X* Software v1.2 is desired, perform the following steps:

Step 1: Insert the GeneMapper® *ID-X* Software v1.2 upgrade disk and follow the installation instructions.
Step 2: Launch Hotfix_20110620 .exe file and follow instructions in the InstallShield Wizard.
Step 3: To ensure correct functionality of GeneMapper® *ID-X* Software v1.2, launch Hotfix_20110620 .exe file again and follow instructions in the InstallShield Wizard.

NOTE: Since upgrade to GeneMapper® *ID-X* Software v1.2 does not proceed through fresh installation of GeneMapper® *ID-X* Software v1.1, use the GeneMapper® *ID-X* Software v1.1 registration code to complete GeneMapper® *ID-X* Software v1.2 installation.

VERIFICATION OF INSTALLATION OF HOTFIX_20110620

Installation of Hotfix_20110620 does not change the software version number. To verify installation, confirm the following file paths on the computer system:

*Full installations – Deployment of Hotfix_20110620_Install.log file in <Drive>:\AppliedBiosystems\GeneMapperID-X directory.

*Client installations - Deployment of Hotfix_20110620_Install.log file in <Drive>:\AppliedBiosystems\GeneMapperID-X\Client directory.

KNOWN ISSUES AND LIMITATIONS

* Any other known issues with GeneMapper® *ID-X* Software will not be addressed by Hotfix_20110620.

LEGAL DISCLAIMER AND TERMS AND CONDITIONS OF CUSTOMER INSTALLATIONS OR USE

The GeneMapper® ID-X Software Hotfix_20110620 has undergone a verification process pursuant to Life Technologies Corporation and/or its affiliate(s) internal quality process. However, we recommend that human identification customers installing Hotfix_20110620 perform any internal testing they deem necessary according to relevant guidelines for testing laboratories. Each laboratory is solely responsible to ensure that its GeneMapper® ID-X Software satisfies or will satisfy the SWGDAM Guidelines or other applicable guidelines used by the forensic community and is fit for its human identification applications.

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