

i2 Analyst's Notebook 8

Release Notes

Version 8.0.5 (SP1)

October 2009

Part Number: 2332

Issue No. 1

Providing a key element of the new i2 Intelligence-Led Operations Platform, *Analyst's Notebook 8* delivers powerful new analytical and visualization capabilities designed to reduce the time required to identify high value intelligence within quickly growing data sets.

New features such as dynamic filtering, social network analysis, mapping support and conditional formatting allow analysts to keep pace with the ever increasing tempo of operations and help to identify hidden intelligence that may otherwise have been missed.

When combining all of this with the new task-based user interface, *Analyst's Notebook 8* offers new and unrivalled levels of support for analysts in their mission critical work.

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What's New in this Release?

Analyst's Notebook 8.0.5 (SP1) Release Highlights

The main highlights for *Analyst's Notebook 8.0.5 (SP1)*:

- Enhanced Social Network Analysis
 - Normalize results options
 - Run Social Network Analysis as a background task
- Performance & Usability Improvements and Bug Fixes

Analyst's Notebook 8.0.1

The following new and updated features are included in *Analyst's Notebook 8.0.1*:

- New task-based user interface grouping together common commands used for a particular task
- Improved chart navigation including Pan, Zoom and the Chart Overview Window
- Filtering chart items using a list or histogram view
- Mapping chart items containing geographical information to Google Earth
- Social Network Analysis allows you to explore group dynamics within a chart by focusing on the relationships that exist between entities
- Automatically formatting chart items for analysis or presentation using Conditional Formatting
- Enhancements to the Importer including exporting column actions
- Reveal Hidden functionality displays hidden chart items as grayed
- New Compact Peacock chart layout providing a more compact and legible final chart
- Tabs for switching and moving data between multiple open charts
- Theme line icons can now be displayed as you pan across theme lines
- Exporting charts to PDF documents
- Saving charts or sections of charts as pictures
- Custom icons are now embedded within charts
- Over 100 new icons have been added

Note: An overview of these features is provided by the *Analyst's Notebook* online help. To view this information: start *Analyst's Notebook* and select **Contents** from the **Help** menu. Alternatively, see the *What's New in Analyst's Notebook 8* White Paper.

Release Contents

The following table summarizes the *Analyst's Notebook 8* releases:

| Version | Release Date |
|--|--------------|
| <i>i2 Analyst's Notebook 8.0.1</i> | June 2009 |
| <i>i2 Analyst's Notebook 8.0.5 (SP1)</i> | October 2009 |

Notes for existing Analyst's Notebook users

Upgrading Analyst's Notebook 7 to version 8

Please note that *Analyst's Notebook 8* replaces an installation of *Analyst's Notebook 7*. It is not possible to run version 7 and version 8 simultaneously on the same computer.

Compatibility with Analyst's Notebook 7 format

Analyst's Notebook 7 charts can be opened in Version 8, modified, saved and reopened in *Analyst's Notebook 7*.

Saving Charts in Analyst's Notebook 6 format

Analyst's Notebook 6 charts can be opened in Version 8, modified, and subsequently saved in Version 6 format.

Notes for existing Link Notebook 5 users

Link Notebook 5 charts can be opened in *Analyst's Notebook 8*.

Updating customized templates and specifications

This version of *Analyst's Notebook* provides you with the latest templates, import specifications and report specifications. Product enhancements, such as the addition of new icons, are made available through these files and, where appropriate, you should make sure you are using the latest versions.

If you have customized *Link Notebook 5* or *Analyst's Notebook 6* or *7* templates and wish to utilize them within *Analyst's Notebook 8* the templates must be merged. For more information, see the online help topic *Merging Templates*.

Import specifications created in *Analyst's Notebook 7* will open in *Analyst's Notebook 8*. You can use *Link Notebook 5* and *Analyst's Notebook 6* import specifications in *Analyst's Notebook 8* once you have converted them into the format required by the Import Editor. For more information, see the online help topic *Managing Import Specifications*.

Compatible companion products

You may have licensed one or more *Analyst's Notebook* companion products.

The following versions of companion products that run with *Analyst's Notebook 7* also work with *Analyst's Notebook 8*:

- *i2 iBase 5*
- *i2 iBridge 3*
- *i2 TextChart 3*
- *i2 ChartExplorer 2*
- *i2 PatternTracer 2*
- *i2 iXa Search AN 2*

System Requirements

For latest details on system requirements, supported operating systems and any other additional requirements check the i2 Web site:

- For customers in North and South America:
www.i2inc.com/support/system_requirements/
- For customers in the UK or the Rest of the World:
www.i2.co.uk/Products/an8system.asp

At release these are the supported operating systems for *Analyst's Notebook 8*:

Operating System

Desktop Operating Systems

Windows Vista Business/Enterprise/Ultimate x86 (32-bit) and x64 (64-bit) SP1 or later

Windows XP Professional x86 (32-bit) and x64 (64-bit) SP3 or later

Windows 2000 Professional SP4 or later

Server Operating Systems offering thin client environments

Windows Server 2008 x86 (32-bit) and x64 (64-bit) with Terminal Services enabled

Windows Server 2003 Standard/Enterprise x86 (32-bit) and x64 (64-bit) SP2 or later with Terminal Services enabled

Windows Server 2003 R2 Standard/Enterprise x86 (32-bit) and x64 (64 bit) SP2 or later with Terminal Services enabled

Windows 2000 Server/Advanced Server SP4 or later with Terminal Services enabled

All server operating systems are also supported with Citrix MetaFrame Presentation/Xen App Server 4.0 or later

Analyst's Notebook is supported on Western Europe & USA, Central Europe, Baltic, Cyrillic, Turkic, Arabic, Japanese, Traditional Chinese and Simplified Chinese, regional versions of the supported operating systems.

Analyst's Notebook requires that Microsoft .NET Framework 2.0 SP1 or .NET Framework 3.5 is present on the installation system. The version of .NET you require will depend on the operating system you are running. These versions of Microsoft .NET Framework are included on the CD.

Analyst's Notebook requires that Microsoft Windows Installer 4.5 is present if the installation system is running Windows Vista or Windows Server 2008.

The printed documentation provided with *Analyst's Notebook* is also available electronically in Adobe PDF format. In order to display this documentation, a PDF viewer must be present on the installation system.

Analyst's Notebook installs a PDF printer driver (*Analyst's Notebook* Chart PDF Writer) on the installation computer. This printer driver is required for export to PDF functionality to work.

Analyst's Notebook can map items to Google Earth. Google Earth 5.0, or later is required. Google Earth is not currently supported on Terminal Service enabled Server environments. Please note that in this environment only one user at a time can use Google Earth.

Analyst's Notebook interoperates with applications in the following versions of Microsoft Office:

- Office 2003 (all editions)
- Office 2007 (all editions)

Analyst's Notebook can work with documents created by the following Office versions:

- Office 2000 (all editions)
- Office XP (all editions)
- Office 2003 (all editions)
- Office 2007 (all editions)

Windows 7

Analyst's Notebook 8 has been tested with the pre-release versions of Microsoft Windows 7 Ultimate and i2 plans to support the Windows 7 Platform.

- Virtual Machine Environments

Analyst's Notebook 8 is supported in Virtual Machine environments running on any of the operating systems listed above.

If any issues are found and are reproducible by i2 in the following virtual machine environments:

- Citrix XenServer
- VMWare Workstation 6 or later
- VMWare ESX Server 3 or later
- Microsoft Hyper-V

i2 will treat as an issue and attempt to fix or offer a workaround as long as the cause is not within the VM vendor's software layers.

Hardware Specification

These are the minimum desktop hardware requirements for *Analyst's Notebook 8*:

Minimum Requirements

1.4 GHz processor computer

512 MBytes RAM

500 MBytes free disk space for installation, plus space to store chart data (This does not include disk space required for pre-requisites)

XGA capable graphics card (1024 x 768 high color (16 bit)) and color monitor

Mouse or Trackball

USB Port or Parallel Printer Port (for local dongle)

CD-ROM drive or network access (for installation)

For better performance and for running a combination of i2 products a higher specification is recommended:

Recommended Requirements

At least 2 GHz processor computer

At least 2 GB RAM

At least 1 GB free disk space for installation plus space to store chart data (This does not include disk space required for pre-requisites). Total disk space requirements depend on number of i2 products to be installed.

SXGA capable graphics card (1280 x1024 high color (16 bit)) and color monitor

Mouse or Trackball

USB Port or Parallel Printer Port (for local dongle)

CD-ROM drive or network access (for installation)

Authorization Information

Analyst's Notebook is a licensed product and requires a dongle containing a valid permit in order to run. *Analyst's Notebook 8* uses the same dongle permits as previous versions of *Analyst's Notebook*. Therefore existing users do not require a replacement dongle.

NetHASP License Manager

If you use a NetHASP authorization solution (network dongle), you are required to use License Manager 8.20, or higher.

Version 8.31 can be found on the product CD in the following location:

```
CD Drive:\Dongle\HASP Server\Windows
```

Further details regarding the installation of the License Manager are available in the NetHASP License Manager Guide.

NetHASP authorization

If you use a NetHASP authorization solution and you have specific configuration information in `NetHASP.ini` then if it exists you should copy the `NetHASP.ini` configuration file in your existing installation folder to the *Analyst's Notebook 8* folder.

On a typical *Analyst's Notebook 6* installation the configuration file is located at:

```
C:\Program Files\Analyst's Notebook 6
```

For a typical *Analyst's Notebook 7* installation, this file should be copied to:

```
C:\Program Files\Analyst's Notebook 7
```

NetHASP timeout

A timeout value is set for each client workstation so that the NetHASP server releases permits after 60 minutes of application inactivity. This prevents permits from being held indefinitely if they are not released at the end of a session.

NetHASP authorization

If you use a NetHASP authorization solution and you have specific configuration information in `NetHASP.ini` then if it exists you should copy the `NetHASP.ini` configuration file in your existing installation folder to the *Analyst's Notebook 8* folder.

Product Authorization in a Virtual Machine environment

If you are using i2 software in a virtual machine (VM) environment you will need to consider the following for reliable product authorization.

Hardlock (USB/Parallel Port)

If you are using Hardlock (standalone) dongle you need to ensure that your virtual machine environment has support for the port type of the dongle you are using (USB or Parallel)

NetHASP (USB/Parallel Port)

i2 strongly recommends that NetHasp (network) dongles and the License Manager software is installed in a non virtual machine environment on the same network as the i2 products that require authorization.

Utilities

The following utilities are available within *Analyst's Notebook* and are installed in the Utils folder beneath the installation folder for *Analyst's Notebook*:

- `Reset Toolbars.exe`

This application resets toolbar settings to the *Analyst's Notebook* defaults.

- `SeriesImport.exe`

This command line application allows you to automate running one or many import specifications into your charts.

Documentation describing how to use these utilities is available in the online help.

Installation

Before installing *Analyst's Notebook* please check that your system meets all the system requirements.

Installation steps

Using Setup.exe

Note: Administrator privileges are required in order to install *Analyst's Notebook*.

To install *Analyst's Notebook*:

1. Close all applications that you might have open.
2. If present, remove any USB Authorization Device (Dongle).
3. Insert the product CD into your computer's CD drive.

The installation will start automatically. If it does not start automatically, you need to browse to the CD to run `Setup.exe` in the folder *Analyst's Notebook 8*.

4. Follow the prompts to complete the installation.

The following shortcut will be installed:

| | |
|----------------------------------|---------------------------------|
| i2 ► Analyst's Notebook 8 | Start <i>Analyst's Notebook</i> |
|----------------------------------|---------------------------------|

Installing Google Earth

The Google Earth Plug-in for *Analyst's Notebook* requires that Google Earth 5.0 is present on the user machine.

Advanced installation options

Advanced options for installing this product are described in the *i2 Products Packaging and Deployment Guide*. This explains how to perform automated and silent installs and use the advanced features provided by the Windows Installer (MSI), and includes details on customizing installed files, details of third party software installed and language specific files.

Known Limitations

Printing

The *Analyst's Notebook* icon set incorporates transparency so that icons may be used on areas of the chart where the background is not white, for example in filled event frames or on top of background items. The printing of these icons is complex and on some older computer and printer combinations there may be problems. In particular, the icons may print incorrectly or printing may be very slow. To overcome these difficulties, two printing options are provided, as described below. These options can be found in the Advanced Printer Setup dialog, which is accessed using the **Advanced** button on either the Printer Setup or Print dialogs.

- Always Simulate Transparent Icons

This option uses an alternative, simpler means of printing transparent icons. Try this option if the icons do not appear correctly. Printing will be slower using this option.

- Use Basic Icon Drawing

This option uses a very basic means of printing icons. Try this option if the icons do not appear correctly or if printing is too slow. Printing will not include any transparency using this option and therefore icons will always have a white square surround.

Displaying OLE objects

Analyst's Notebook is now capable of displaying `.bmp`, `.jpeg` and `.gif` OLE objects without the requirement for any third party OLE server. However, the following limitations still apply:

- If your operating system has an application that has taken ownership of `.bmp`, `.jpeg` or `.gif` files, and it is not a valid OLE server, the drag and drop from Windows Explorer may return the error message "Unexpected file format." If you encounter this issue, try inserting the image from the **Insert OLE Object ► Picture** menu.

- If an unrecognized file type is dragged onto the chart surface and the “Unexpected file format.” warning is received, subsequent drag and drop operations to the chart surface from Windows Explorer may fail. If you encounter this issue try inserting the object from the **Insert OLE Object ► Picture menu**.

Save As Version 6 not available if attribute class names are written in non-western characters

Attribute classes whose names are not written using western characters can cause an issue when using the **Save As Version 6** feature. Some *Analyst's Notebook 8* charts that contain attribute classes whose names contain unavailable characters, will not be able to be saved as Version 6 charts, if the **Save As** is performed on a computer with a different language operating system. For example a Chinese chart, that contained attribute class names written in Chinese characters, may not be able to be saved as a Version 6 compatible chart on an English operating system.

Hidden and background chart items lose their chart position after pasting (#13538)

Reported 6.0.7

Pasting a chart containing hidden or background chart items can cause these chart items to lose their original chart positions in the new chart.

Embedding a chart using OLE may generate an application error (#28061)

Reported 6.0.55

After embedding a chart in another application using OLE, an *Analyst's Notebook* application error may be generated. However the chart is successfully embedded in the application and the error message should be ignored.

The items sizing behavior can be unpredictable (#27943)

Reported 7.0.0

When an item contains lots of text with line breaks, the sizing of the event can be unpredictable.

Analyst's Notebook crashes when searching using Label Matching and ignoring certain characters (#29642)

Reported 7.0.0

When running on Microsoft Windows 2000 SP4 *Analyst's Notebook* can crash when searching using Label Matching and ignoring some numerical characters.

Analyst's Notebook can fail to start if a large number of Internet Explorer windows are open (#29714)

Reported 7.0.0

If a large number of Internet Explorer windows are open when launching *Analyst's Notebook*, the application can fail to start. If *Analyst's Notebook* is already running, opening a large number of Internet Explorer windows can cause it to close.

Performing a save operation changes the file permissions on the chart (#28568)

Reported 7.0.0

Saving a chart under certain circumstances can change the Windows security settings on the file. If you open a chart, then change the permissions so Full Control is denied, make a modification to the chart, then save the changes the file permissions are reset to Allow.

Analyst's Notebook 6 charts do not insert into Microsoft Office applications as expected after upgrading to Analyst's Notebook 8 (#29822)

Reported 7.0.0

If you only have *Analyst's Notebook 8* installed and insert a Version 6 chart into a Microsoft Office application the chart will always display as an icon rather than a chart even if Display as icon is turned off.

If you open the chart in *Analyst's Notebook 8* and save it in the updated format it will insert into a Microsoft Office application and display correctly as a chart.

Drag and drop from Analyst's Notebook as a bitmap into Microsoft Word does not function correctly (#29987)

Reported 7.0.1

The issue occurs if the **Cut** and **Copy to Clipboard** options are set to **Picture as Bitmap** only. When dragging chart items from *Analyst's Notebook* and dropping into Microsoft Word 2003, the expected image is not created.

A workaround for this issue is to use **Copy** and **Paste** functionality to copy chart items into a Word Document.

Performance problems when disconnecting from the network (#34489 & #31394)

Reported 8.0.1

It takes between 4 and 5 seconds to move between tabs.

This issue occurs when a user disconnects from a network and a network printer remains set as the default printer.

A workaround for these issues is, when disconnecting from a network change the default printer to a local printer and in *Analyst's Notebook* select a local printer. You should also

delete the registry settings in:
HKEY_CURRENT_USER\Software\i2\Default\Printer.

Drag and drop from Analyst's Notebook as a bitmap into Microsoft Word does not function correctly (#29987)

Reported 7.0.1

This issue occurs if the **Cut and Copy to Clipboard** options are set to **Picture as Bitmap** only. When dragging chart items from *Analyst's Notebook* and dropping into Microsoft Word 2003, the expected image is not created.

A workaround for this issue is to use **Copy and Paste** functionality to copy chart items into Microsoft Word.

Memory problems when using Save as Picture (#34807)

Reported 8.0.1

Using **Save as Picture ► Complete Chart** may fail to create a picture if the chart is very large, due to insufficient memory.

A workaround for this issue is to save the chart in sections, using **Save as Picture ► Current Window**.

No option to save 7.0.15 import specifications (#34742)

Reported 8.0.1

When editing a version 7.0.15 import specification, there is no option to re-save the specification as an *Analyst's Notebook* 7.0.15 file. Turning on the **Compatible with previous versions of Analyst's Notebook 7** check box will save the specification as an *Analyst's Notebook* 7.0.13 file.

Opening the iBase example database causes ChartImageProvider::BuildLists to be called many times (#34484)

Reported 8.0.1

Opening the *iBase* example database causes `ChartImageProvider::BuildLists` to be called many times, increasing the amount of time it takes to open the database.

Analyst's Notebook disappears when attempting to run Social Network Analysis with the Apply Conditional Formatting check box turned on (#37922)

Reported 8.0.1

Analyst's Notebook disappears if the **Apply Conditional Formatting** check box is turned on in the Options page of the Social Network Analysis Task Pane and then **Calculate: Betweenness** is selected in the **Results** page.

ChartReader does not start on Windows XP x64 (64-bit) (#34938)

Reported 8.0.1

ChartReader installs, but does not start, on Windows XP x64 (64-bit).

Filtering Known Limitations

Copy results to New Chart - include linked items - ignores background chart items. (Dewis #61)

Reported 8.0.1

The **Copy Results to New Chart** function with the **Include Linked Items** check box turned on does not include background items in the chart items copied over to the new chart.

Limitations reported with localized versions of Analyst's Notebook

The following issues have been reported with localized versions of *Analyst's Notebook*:

Find Linked does not return the correct results for Day of Week Name (#35059)

Reported 8.0.1

Results are not returned when running **Find Linked** for a translated Day of Week Name on non-English versions of *Analyst's Notebook*, even if there are chart items that match the translated Day of Week Name.

Manually setting a weighting value on links does not display the correct value on the chart (#35070)

Reported 8.0.1

Manually setting a link weighting value on the Options page of the Social Network Analysis Task Pane does not display the correct weighting value on the chart when **Show Results on Chart** is selected on the Results page.

Error received when trying to map to Google Earth, when Google Earth is not open (#35072)

Reported 8.0.1

An error is displayed if you send items to Google Earth, if Google Earth is not open.

Conditional Formatting Specification rules that use Gradual Scale Causes an Error (#35098)

Reported 8.0.1

An exception occurs if gradual scale is used for entity links in a conditional formatting specification.

This only affects on locales that use a comma as a decimal separator.

Limitations Specific to Microsoft Vista

Analyst's Notebook is fully compliant with Windows Vista. Known issues with *Analyst's Notebook* operating on Windows Vista are as follows:

Some third party components are not fully supported on Vista (#31000)

Reported: 7.0.0

Not all of the third party components that are installed and used by *Analyst's Notebook* are claimed to be supported on Vista by their suppliers. As they become available i2 will include supported versions of third party applications in future releases. Unless stated in the known issues below the third party components have not been shown to cause issues.

What's This? Help is not natively supported in Windows Vista (#30396)

Reported: 7.0.0

Analyst's Notebook uses Windows Help (`winHlp32.exe`) to deliver What's This? Help functionality. Microsoft is not shipping Windows Help with Vista. You can download a compatible version of Windows Help from Microsoft Download site <http://go.microsoft.com/fwlink/?LinkID=82148>.

More information can be found on Microsoft Knowledge Base
<http://support.microsoft.com/kb/917607>.

i2 files cannot be indexed and searched by Vista search mechanism (#30999)

Reported: 7.0.7

The content of files created by i2 Products cannot currently be indexed and searched by Windows Vista search mechanism.

Document Properties do not work on Windows Vista (#30361)

Reported: 7.0.0

Some entries in the summary information are not visible on Windows Vista. The 'Description' and 'Origin' sections are not visible through Explorer.

Contacting i2

Technical support is available to anyone whose organization has opted for our annual support program. If you have a question and cannot find a solution in the online help, you can send an e-mail to the i2 Technical Support team.

- For customers in North and South America, e-mail support@i2inc.com.
- For customers in the UK or the Rest of the World, e-mail support@i2.co.uk.

Note: If your i2 software was purchased from one of our distributors, please contact your supplier for technical support.

i2 International and i2 Americas Consulting services work with customers to understand specific requirements and then determine the best methods to get these requirements met through custom development, on-site training, or alignment with the right system integrator or product vendor.

For further information, contact your i2 supplier, or visit the i2 Web site at:
www.i2group.com.

Acknowledgment

The Map Chart Items feature was developed using GEOTRANS, a product of the National Geospatial Intelligence Agency and U.S. Army Engineering Research and Development Center. Use of GEOTRANS in connection with the *Analyst's Notebook* software does not indicate endorsement or approval of the product by the Secretary of Defense or the National Geospatial Intelligence agency.