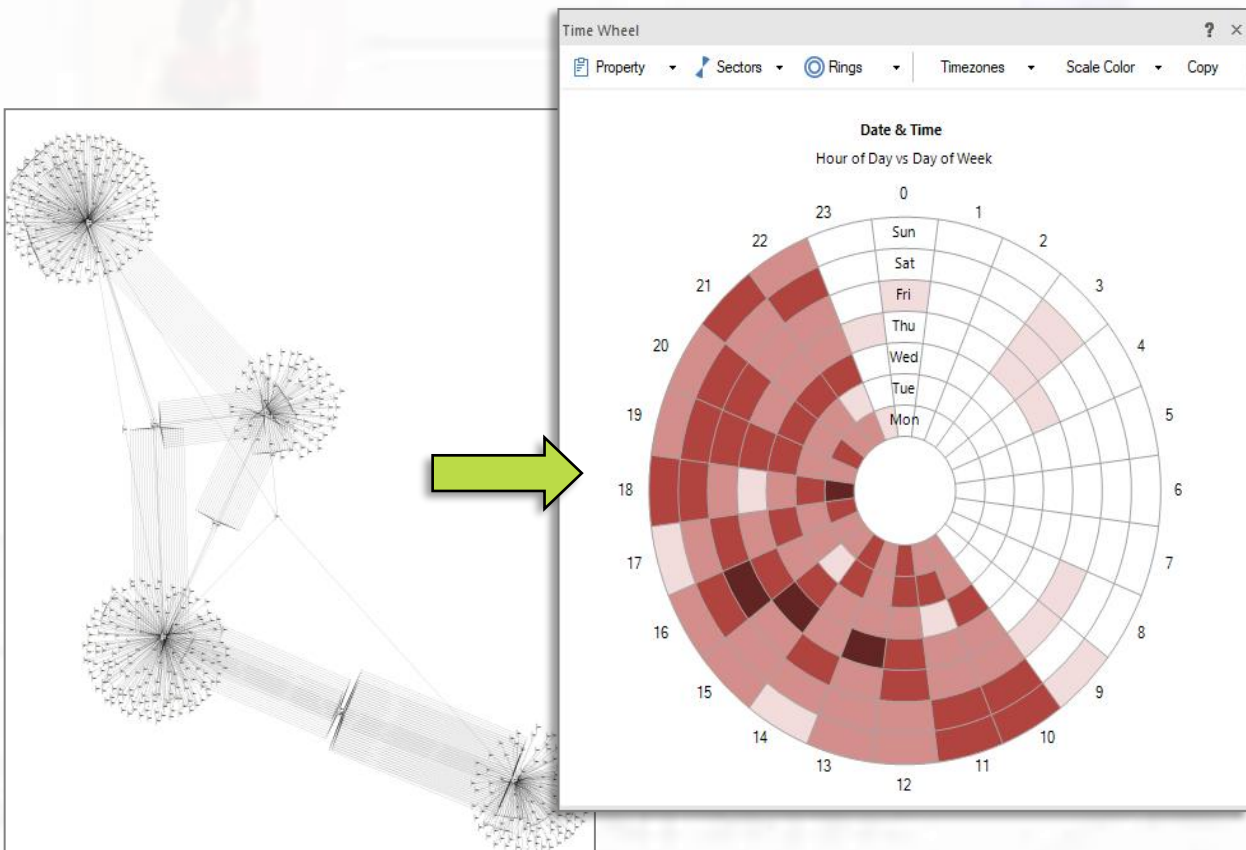


New Analyst's Notebook Feature Time Wheel (page 4)



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Newsletters and a YouTube Link: <http://shortestpathtraining.co.uk/newsletter/>

Sign up to our mailing list to receive new releases via email: info@shortestpathtraining.co.uk

Team News

Winter 2022

Welcome to our 16th Newsletter! The nights are drawing in now, but we at Shortest Path Training are even enjoying the shorter days training all of our wonderful customers; whether this is online or in the classroom. It was amazing to see and talk to some of our customers at the National Analyst's Conference in June at Wyboston Lakes, and it was fantastic to see everyone getting together and being able to exchange ideas and views in person.



It has been exciting times on since our last edition!

All of these courses offer the same content - run live by our experienced trainers who will answer questions, check you are keeping up OK, and support your learning.

So which is best for you?

We still think it is hard to beat classroom based, face-to-face training as the interactions are better, it's easier to explain things, and you get to network with other delegates away from distractions. However online has the advantage of no travel and less disruption to your daily routine.

We thought we would post some customer feedback from delegates to help you decide - and of course we are always happy to discuss options with you.

Holly's News

We are pleased to announce that Holly has returned from her maternity leave. Holly will be training again soon, so do look out for her on our courses.

In the last 2 years I have attended two training courses at Shortest Path training, one which was online and another that was in person. Although the online course was especially well executed, and I do recommend the online courses for those unable to travel, I do feel that I gained a lot more from the in-person tutoring. ~ 'Student from Icelandic Police'

Kelly's News

After covering Holly's maternity leave, we are pleased to announce that Kelly will continue with us as one of our dedicated trainers. This is excellent news as we can now deliver even more training to you with the permanent expansion of the training team.

You can catch Kelly as she presents at the next National Analyst's Conference at the end of November.

I would say that the biggest difference between the online and in-person courses is the closeness to the teacher. Having someone physically in the room guiding you through the course provides a sense of security and confidence that I feel is often lacking in online training sessions.

Additionally, meeting people from other agencies and organisations that are using the same software not only helps you get ideas regarding how best to utilise the software for your own work, but equally opens opportunities for networking; always a plus.

I highly recommend the Shortest Path Training courses, and will most definitely attend follow-up courses in the coming years ~ 'Student from Icelandic Police'

Tutor-led Training - Classroom vs Online

When choosing a training course with us, we try to offer you options as to how you take that course to best suit your requirements. Our courses can be classroom based in our rooms in Cambridge; classroom based at your location; or Online Tutor-led in our virtual classroom.

Enjoy Edition Number 16, and please do let us know if there is anything you would like included in future publications.

Very Best Wishes from the SPT Team

Team News

What have we been up to?

Association of Criminal Intelligence Analysts Master Class

3 November 2022



In Association with the ACIA (Association of Criminal Intelligence Analysts) we presented an ACIA Masterclass titled: "i2 Analyst's Notebook— Quick wins and some techniques for using telephone data".

We looked at creating and managing user Palettes, Importing from Excel, Bar Charts, Mapping and Combining charts and data sets for a fuller picture.

The ACIA is a community of crime and intelligence analysts from across the UK and Ireland. They have members in a very wide variety of roles in both the public and private sector.

For more information about the work of ACIA please visit <https://www.acia.org.uk/>

Where You Can See Us

National Analyst's Conference 2022

29 and 30 November 2022



We are so proud to be Silver Sponsors at the National Analyst's Conference in November, where we will be presenting. Kelly will be demonstrating some new Tips & Tricks.

This is an online event, but you will still be able to see us!

To book your place on this conference please send your delegate name(s), email address(s) and purchase order (made out to 'The Investigator') to: booking@the-investigator.co.uk or telephone +44 844 660 8707.

Payment can be made by PayPal/Debit/Credit Card (Corporate card fees apply +3%).

Chartered Institute of Information Security (CIISec) Master Class



31 January 2023

Similar to our work with ACIA above, we are also presenting an online i2 Masterclass for CIISec members in January next year.

For more information about the important work of CIISec please visit <https://www.ciisec.org/>

You can also find out more about the The Institute of Cyber Digital Investigation Professionals (ICDIP) here: <https://www.ciisec.org/icdip>

i2 News

i2 have acquired Rosoka Software Inc.

Some of you may already know of the capability they offer around working with unstructured data and making that data available for analysis.

For more information please visit the announcement on the i2Group website.

<https://i2group.com/news-2022-rosoka-acquisition>

The latest version of i2 Analyst's Notebook is 9.4.0 (please see our Tips & Tricks to see a new feature). To find the latest versions of the i2 Software please visit:

<https://i2group.com/support>

Finally you can catch up with them at the Investigator Conference where they are the Headline Sponsors.

Price Changes

A key aim for us is to always keep our course prices competitive, whilst also continuing to deliver the very highest quality i2 training available. We haven't increased our prices for just over 2 years, but with costs associated with course delivery rapidly increasing we now feel it is appropriate for us to do so.

From January 1st 2023 we are increasing our per person per day price to £470 (+VAT), which is an increase of just under 12%.

If you book any places for courses running in Q1 2023 before the end of this year you will receive our current pricing of £420. If you have received any prices from us, but are looking at placing the booking next year please do get in touch with us as soon as possible to discuss.

Finally, as is always the case, please talk to us about your requirements and budgets so we can help you plan training and, where appropriate receive advantageous pricing for block bookings or for purchasing training days in advance.

End of Year Training Budgets

Many of you have training budgets that come to an end at the beginning of April. As a result we often get high demand for training in the first three months of the year - so if you would like to discuss any training with us please do get in touch sooner rather than later. We can also help you work out what the best options would be for the money you have available.

Tips & Tricks

View Tips & Tricks as a YouTube Video: <https://tinyurl.com/ybvfkv56>

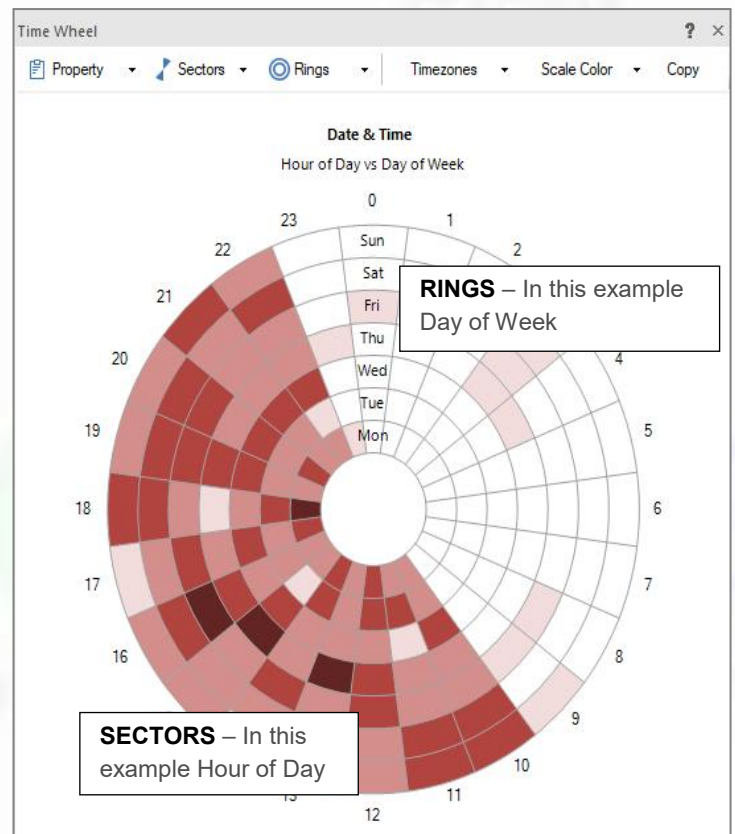
Analyst's Notebook - Time Wheel

The Time Wheel has just been added to the latest version of Analyst's Notebook - Version 9.4.0. It gives you a new way to visualise date and time information held on your chart. Once created, Time Wheel Visualisation can help identify periods of high and low activity as well as patterns in date and time data. In addition to this, a Time Wheel visualisation can be copied out of Analyst's Notebook for use in other applications —much like examples from the Bar Charts and Histograms tool.

1. To launch the Time Wheel, go to the Analyse Tab.
2. Click on **Property** and Select the property that you want to look at (this can be from the Date and Time property, Data Records, or Attributes).
3. Select the Time Period you want to use for the **Sectors**.
4. Select the Time Period you want to use for the **Rings**.
5. Optional: Select a **Timezone** for the Time Wheel: you can use the Chart Time Zone or Item Time Zone.
6. Optional: Select the **Scale Color** you want to use. In this example we are using Red Scale colour.



Tip: Hover over a cell to see a summary of the activity in that cell.



Working with the Time Wheel

The Visualisation highlights periods of high activity – shown in dark red in the example and period of inactivity – shown in white in the example.

If you select cells in the Time Wheel the corresponding items will be selected on the chart.



Tip: Use Ctrl to select multiple cells.

Use **Copy** to copy the Time Wheel Visualisation to clipboard and Paste into another application.

Tips & Tricks

View Tips & Tricks as a YouTube Video: <https://tinyurl.com/ybvfkv56>


iBase Speedier Searches using Indexed Fields


Think of Indexed Fields as similar to an index in a book - that is a list of words in alphabetical order with a reference to which record it is in the database. Fields in an iBase database can be indexed; meaning those fields can be searched more quickly when using Find or Query than Fields that are not indexed. Typical examples include Name and Date of Birth for a Person Entity, or Telephone Number for a Phone Entity. If you understand what they are and how they work, then you can often make searching in iBase much faster.

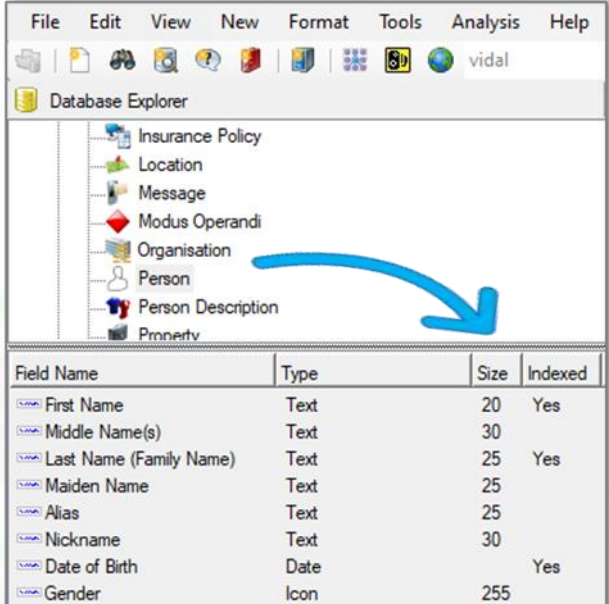
How can I find out which Fields are Indexed?

You can find out which Fields are indexed by using the Database Explorer:

1. In iBase, open up your list of Entities or Links
2. Select one
3. Review the information for each field shown in the bottom half of the Database Explorer.

 **Tip:** You can click on the column heading Indexed to sort by that column.

 **Tip:** To understand your whole database structure go to the File menu, choose Properties, and create a Database Design Report.



Field Name	Type	Size	Indexed
First Name	Text	20	Yes
Middle Name(s)	Text	30	
Last Name (Family Name)	Text	25	Yes
Maiden Name	Text	25	
Alias	Text	25	
Nickname	Text	30	
Date of Birth	Date		Yes
Gender	Icon	255	


Using Indexed Fields efficiently in Find

For Text type fields, Indexed Fields are only quicker with searches that are *starts with*. As a default, Text fields are *starts with* in Find, it's only when you use other Wildcards that this changes. Some examples on First Name:

- Mar will find names that start with "Mar", such as Marc, Mark, and Marcus, efficiently by only looking at names starting "Mar" in the alphabetical index.
- *Mar* will also find names such as Marc, Mark, and Marcus, but iBase has to look through all the names to find them and so will be slower. Note this will also find names like Camaron.

Using Indexed Fields efficiently in Queries

Similarly, Queries with conditions such as *equal to* or *starts with* will be faster. Conditions like *contains* and *ends with* don't benefit from the index, and so are slower.

 **Tip:** It is your iBase Designer that can decide which Fields are indexed, so you can talk to them if you have any requirements.

Featured Course

<Course Name>

Analyst's Notebook Creating Charts (Bite-size Course)

Level 1 - Foundation

Duration: 1 Day

Class size: A maximum of 10 (classroom) and 8 (online)

"I want to be able to create Association and Timeline charts for more than simple visualisation and learn to structure charts correctly to enable effective analysis."

What Skills will you gain?

- Build and structure Association and Timeline charts to enable understanding of the key concepts of Entities and Links, such as;
 - Identity & Label
 - Date & Time
 - and Attributes
- This will allow the effective creation of charts for interpreting networks, sequences, and accurate analysis
- You will also learn to annotate charts by using a Legend and Label, as well as how to correctly convert them into PDFs for dissemination

Objectives:

By the end of the course, delegates will be able to:

- Add data to create an Association chart, a Sequence of Events chart and a Flow chart using: Types, Identities, Labels, Picture, Attributes, Links, Date & Time, Direction and Line Strengths
- Annotate charts using Labels and a Legend, and save them in PDF and Picture format

Is this the right course for you?

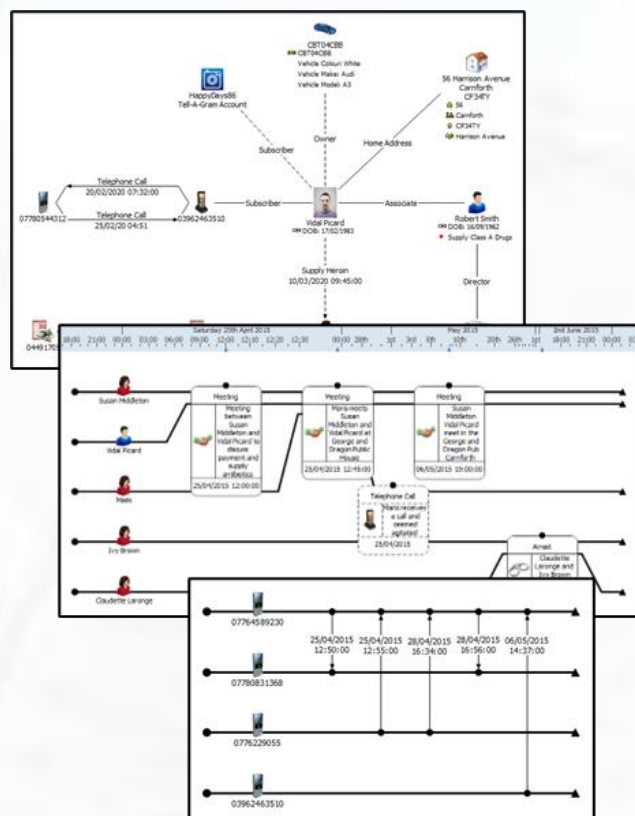
Based on 1 day of the Analyst's Notebook Standard course and aimed at:

- New users
- Self-taught, or informally taught, users
- Those who want to refresh their knowledge

Where Next?

- Level 1 Course:
 - Analyst's Notebook Introduction to Importing Level 1
 If you have already attended the above course, you can attend any of the Analyst's Notebook Level 2 courses
- Level 2 Courses:
 - Analyst's Notebook Social Network Analysis
 - Analyst's Notebook Dissemination
 - Analyst's Notebook Analysis

If possible, we recommend that you use the software for a few months before taking the additional courses. This will give you time to apply what you have learnt from this course and maximise the benefit of the courses.



Customised, Bespoke & Onsite Courses

Shortest Path's customised and on-site courses may be the best solution for your training requirement.

Advantages can include

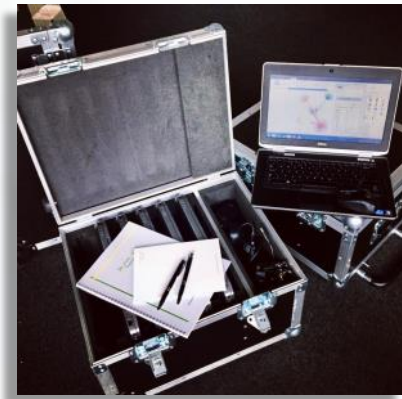
- Less time out of the office
- Savings on travel and accommodation costs
- Saving time by covering just the topics you need
- Helping in applying learning by using customer specific data and tasks

If you have a group of people who need training, or would like a customised training course, then call us to talk through the options and we can help advise on the best solution and costs. Please note we charge for a minimum of six delegates.

As with all of our training, we try our best to make things as easy as possible for you. We can help you to work out what would be suitable topics to cover.

If you provide some example data, as well as any typical tasks, we can train your students how to use the software to provide the most efficient solution.

To enable us to train at your office, all you would need to supply is a suitable room. We ship everything that is needed to arrive before the course; including laptops*, peripherals, cables, extension leads and course materials. Our trainer will arrive early on the morning of the course and set everything up in the assigned room. It's all very straight forward!



*Please note that it may not be practical for us to supply laptops if you are overseas, but we can always work out a solution.

Contact Information and How to Book

Booking Scheduled Courses

1. Select your course, dates and location (from our current schedule).
2. Email or phone SPT to check availability.
3. Book provisional places.
4. Complete booking form to confirm places.

Booking Custom Courses

1. Email or phone SPT to discuss requirements.
2. Book provisional course and dates.
3. Complete booking form to confirm course.

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SPT Course Schedule November 2022—April 2023

Location	Description	Level	Date(s)	Length
Online	iBase Importing	Level 2 - Progression	Tue 15 Nov	1 day
Online	iBase Analysis	Level 2 - Progression	Wed 16 Nov	1 day
Online	Using iBase with Analyst's Notebook	Level 2 - Progression	Thu 17 Nov	1 day
Classroom	Analyst's Notebook Standard	Level 1 - Foundation	Mon 05 - 07 Dec	3 days
Classroom	iBase Standard	Level 1 - Foundation	Thu 08 - 09 Dec	2 days
Online	iBase Designer	Level 3 - Experienced	Mon 09 - 13 Jan	5 days
Online	Analyst's Notebook Creating Charts (Bite-size)	Level 1 - Foundation	Tue 17 Jan	1 day
Online	Analyst's Notebook Introduction to Importing and Analysis (Bite-size)	Level 1 - Foundation	Wed 18 Jan	1 day
Online	iBase Introduction to Searching, Queries, and Charting (Bite-size)	Level 1 - Foundation	Thu 19 Jan	1 day
Online	Analyst's Notebook Importing	Level 2 - Progression	Mon 30 Jan Tue 31 Jan - 01 Feb	1 day 2 days
Online	Analyst's Notebook Analysis	Level 2 - Progression	Thu 02 Feb	1 day
Online	Analyst's Notebook Dissemination	Level 2 - Progression	Fri 03 Feb	1 day
Online	Analyst's Notebook Social Network Analysis	Level 2 - Progression	Mon 06 - 08 Feb	3 days
Online	iBase Standard	Level 1 - Foundation	Thu 09 - 10 Feb	2 days
Online	Analyst's Notebook with Cyber and other Digital Data	Level 1 - Foundation	Thu 16 - 17 Feb Mon 27 Feb - 01 Mar	2 days 3 days
Classroom	Analyst's Notebook Standard	Level 1 - Foundation	Thu 02 - 03 Mar	2 days
Online	iBase Importing	Level 2 - Progression	Tue 07 Mar	1 day
Online	iBase Analysis	Level 2 - Progression	Wed 08 Mar	1 day
Online	Using iBase with Analyst's Notebook	Level 2 - Progression	Thu 09 Mar	1 day
Classroom	iBase Designer	Level 3 - Experienced	Mon 17 - 21 Apr	5 days

Colour Key:

Green rows are i2 Analyst's Notebook courses

Gold rows are i2 iBase courses

Orange rows are courses where we focus on iBase & Analyst's Notebook together

The 1 day Bite-size courses are taken from our Analyst's Notebook and iBase Standard Courses

Level 1 - Foundation Courses are aimed at users who are new to i2, self-taught, or who have had no formal training; as well as those who would like to refresh their i2 Knowledge.

Level 2 - Progression Courses are aimed at those users who have already attended the relevant Level 1 Course(s), and wish to progress their skills.

Level 3 - Experienced Courses, like our iBase Designer Course, are for users who have attended at least the relevant Level 1 Standard Course, and our Level 2 Courses too, if possible. They require delegates to have a good understanding of all areas of the software.