

Enhance i2 for a bigger return on your investment

Better identify and solve high-risk and urgent crimes



People matter, results count.

Police forces rely on IBM's i2 to gain insights from data in order to solve crimes and enforce the law. Now there's a way to get even more from i2. Capgemini's Assurance Scoring Platform integrates with i2 and helps you better identify high-risk and urgent cases. It provides a holistic view of data and a wider range of analytic techniques, enabling your force to become even more proactive and effective at solving crime.

Today, police intelligence data can be shared more effectively than ever. If you've invested in IBM's i2 Integrated Law Enforcement solution, you already have access to outstanding functionality for extracting insights from data to help you effectively deploy resources, reduce crime and increase safety.

However, forces can get even more out of i2 if they can **identify urgent or high-risk cases quickly and reliably and then prioritise them for action**. This requires a comprehensive view of the cases, drawing on data that may not be available within the current i2 setup: for example, financial or family information might tell you quite a lot about a case. Accurately identifying high-risk cases requires sophisticated logic—you don't want to overlook an important case because someone's name has been spelled differently in different places; ASP solves this problem.

Having prioritised cases for analysis, forces get more from i2 if they can **apply it to the full range of available data, and use additional analytic techniques on the resultant holistic view of cases**.



Capgemini's Assurance Scoring Platform (ASP) complements i2

With ASP, you can quickly prioritise urgent and high-risk cases, and then analyse all relevant data using advanced techniques to get the insights you need to solve and prevent crimes. ASP is a scalable analytics platform that enables you to:

1. Score cases according to risk, so that the urgent and high-risk ones can be prioritised for immediate analysis.
2. Add data from other sources to i2. Building a 360-degree view of cases improves the accuracy of your initial risk-scoring process and enriches your subsequent analysis.
3. Add analytic capabilities that make you even more effective and proactive. For example, you can identify similar but non-identical names that may refer to the same person, ensuring priority cases don't slip through the net. And you can examine patterns in your data to identify where a crime may occur, so you can take steps to prevent it.

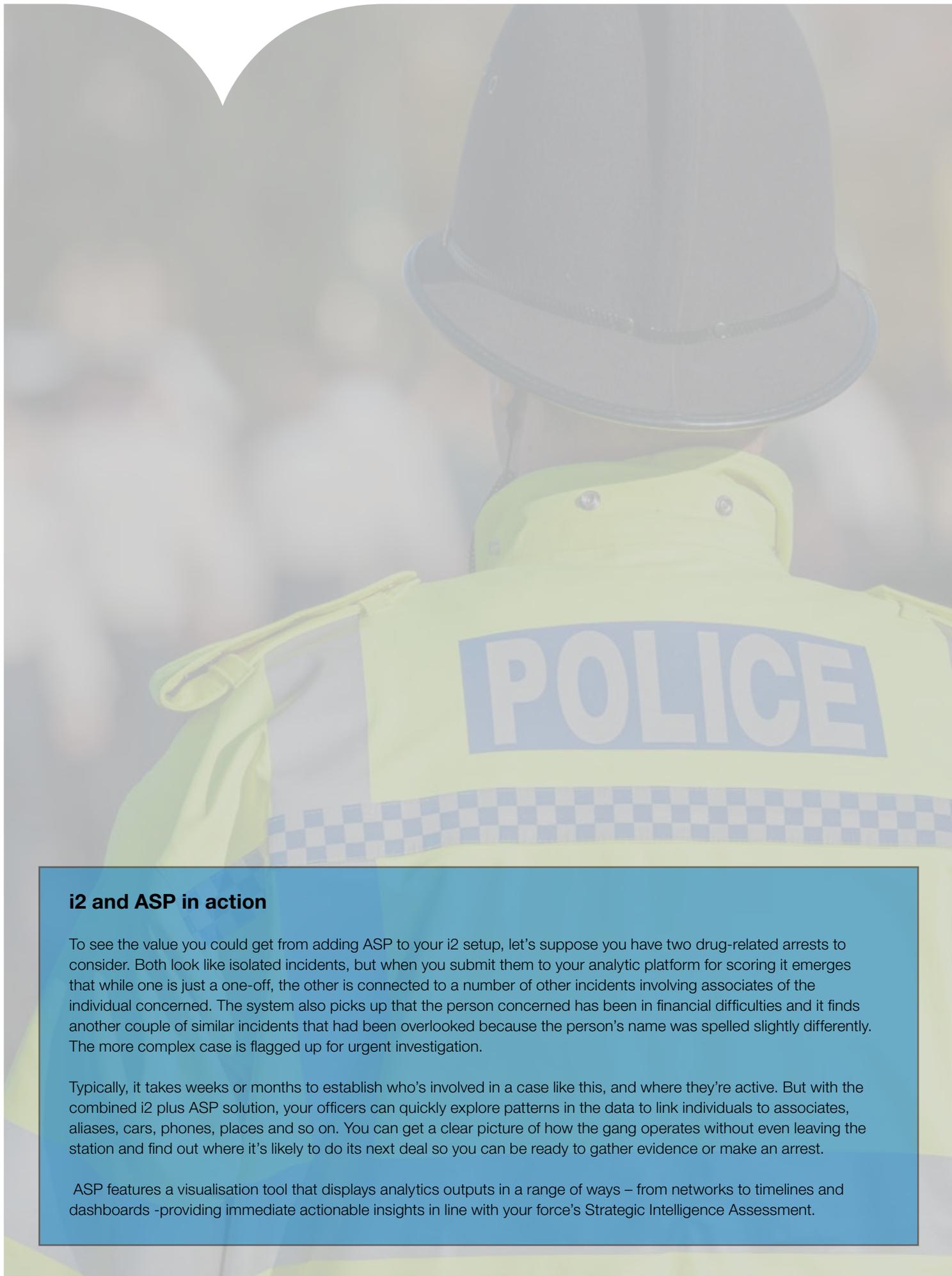
ASP includes facilities for storing and organising data, data flows that can be tailored to manage a wide range of different requirements, and a combination of highly effect analytic techniques. ASP also makes it easy to complement i2 with additional analysis tools and approaches from IBM or third parties

How Capgemini works with you to take i2 to the next level

Capgemini can show you how to use ASP to enhance your use of i2, prioritising cases, gaining access to new sources of data and using an even wider range of analytics and accelerators. Leveraging Capgemini's experience in big data techniques, you can also identify additional links and relationships for display in i2.

ASP can be up and running in just six to eight weeks. Capgemini data scientists will work with you in identifying force priorities – understanding risk profiles for a particular category of crime – and one or two new data sources that will help provide insight for investigations. Together, we agree high-priority investigations that can be tackled using the new data sources.

ASP features a visualisation tool that displays analytics outputs in a range of ways – from networks to timelines and dashboards -providing immediate actionable insights in line with your force's Strategic Intelligence Assessment.



i2 and ASP in action

To see the value you could get from adding ASP to your i2 setup, let's suppose you have two drug-related arrests to consider. Both look like isolated incidents, but when you submit them to your analytic platform for scoring it emerges that while one is just a one-off, the other is connected to a number of other incidents involving associates of the individual concerned. The system also picks up that the person concerned has been in financial difficulties and it finds another couple of similar incidents that had been overlooked because the person's name was spelled slightly differently. The more complex case is flagged up for urgent investigation.

Typically, it takes weeks or months to establish who's involved in a case like this, and where they're active. But with the combined i2 plus ASP solution, your officers can quickly explore patterns in the data to link individuals to associates, aliases, cars, phones, places and so on. You can get a clear picture of how the gang operates without even leaving the station and find out where it's likely to do its next deal so you can be ready to gather evidence or make an arrest.

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Benefits of combining i2 and ASP

By combining ASP and i2, you'll be able to take three important steps that will maximise the return from your i2 investment:

1. Quickly separate problematic cases from straightforward ones. Use advanced analytics and scoring techniques to identify straightforward or non-urgent cases – which can be as many as 90% of the total. You can then focus your i2 analysis on the 10% that need advanced investigation. This means effort and money is better targeted.
2. Enrich your data. Link/integrate additional data sets to enrich analysis and outcomes. For example, you can build a broader picture of crime by integrating crime data with financial/benefits information, family information and so on. This can make you better at anticipating and preventing crime as well as solving it.
3. Use additional analytics to be more proactive and effective. Identify high-risk cases with greater confidence. Find patterns in data so you can act to prevent crimes that have not yet happened.

ASP provides many more features to complement i2. For example you can:

4. Validate policies and priorities using statistical analysis. For example, if gang crime is your top priority, you can analyse your data to validate whether this area deserves extra funds and effort.
5. Analyse networks. Build a network of other people and entities who are potentially connected to a crime, and provide evidence of the associated risk. This again helps forces proactively tackle future crimes or risks.
6. Perform root cause analysis. Analyse why certain crimes are happening, or what factors influenced a crime and how. This helps in defining policies and programmes to prevent crime.

Why work with Capgemini and IBM?

Capgemini is one of IBM's partners in this highly specialised space to enable the forces to maximise the full potential from i2 on a day to day basis. We have extensive experience in working with law enforcement, tax and welfare organisations, as well as a long list of private sector organisations to make the most of their data and resources.

Our specialists help clients from all areas rapidly assimilate, integrate and analyse data and turn it into insights to inform crucial decisions and actions.

To find out more about how to get a bigger return on your i2 investment, please get in touch with:

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About Capgemini

With more than 180,000 people in over 40 countries, Capgemini is a global leader in consulting, technology and outsourcing services. The Group reported 2015 global revenues of EUR 11.9 billion. Together with its clients, Capgemini creates and delivers business, technology and digital solutions that fit their needs, enabling them to achieve innovation and competitiveness. A deeply multicultural organization, Capgemini has developed its own way of working, the Collaborative Business Experience™, and draws on Rightshore®, its worldwide delivery model.

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