enVdata
ITS ABOUT BIG DATA

big data

Solution Brief

Government Services

Our world generates a staggering quantity of data and Government activity is no exception. Big data refers to these huge datasets. At the same time the emergence of big data analytics refers to the process of seeking insights by combining and analysing these datasets. Envdata understands the strategy required for big data use in the public sector in order to make it smarter, faster and more personal. We help inspire policymakers and provide practical help in establishing big data and analytics as key technologies required to transform public service delivery. We can also assist with the challenges this activity poses for the public sector, particularly around talent, capabilities and civil liberties.

Big data is changing how organisations are structured and managed. It is affecting all sections of the business, from those that deal with the core activities of an organisation, such as operations or manufacturing of products, to supporting ones, such as human resources. The term Big Data refers to data sets the size of which is beyond the capabilities of current database and computing technology to process in timely and efficient manner. The challenge organisations will face is how to become information-centric, with decisions based on massive amounts of data that are collected in real time.

enVdata is committed to enabling all businesses and organisations to take advantage of new computing and data models that Big Data technologies and information design offers such as Hadoop and NoSQL. Big Data is fast becoming a primary competitive edge and a means of delivering products, and services with efficiency, accuracy and cost effectiveness. This is a completely new way of looking at significant value that can now be extracted from not only the private data but from public data sets as well. enVdata as your Big Data partner will help you get some amazing results.

enVdata will provide you with the means of establishing and integrating these new innovative technologies into your organisation and we will show you how to extract unprecedented value from your data.

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Government Services

In working with various levels of government envdata has understood that the need and opportunity for public service transformation is on-going and real. For public, the application of data, technology and analytics can affect self-sufficiency, get questions answered more quickly, help people find and claim the benefits they are entitled to, and align front-line services more closely to individual needs. We will help you design and implement Big Data based solutions that will result in smarter, more personal public services which would help bring interactions with government up to the quality of experience we are often used to as consumers of commercial products and services. Our solutions will help you achieve results such as:

- **Efficiency savings**. By making smarter decisions about how departments are organised and what work gets prioritised, the direct cost of government operations can be reduced.
- **Reductions in fraud and error**. The application of big data tools can help identify sources of fraud and error in the welfare system, and target scarce enforcement resources where they will have the best payoff.
- **Improvements in tax collection**. Again the application of big data tools can be used to detect and prioritise actions that will help close the tax gap (the difference between theoretical tax liabilities and actual receipts collected by the government).
- **Ensure** households receive the benefits and other support they are entitled to, but fail to claim.
- **Respond to individual** public enquiries faster and with more useful information.
- **Detect public concerns** and priorities at an early stage, and adjust policy accordingly.
- **Deliver** superior public information services.

Example of visualising public sector performance

enVdata is a unique provider of integration services for Open Source Big Data, NoSQL, visalisation, analytics and Microsoft technologies. We will preserve and enhance your environment with solutions that build on your current staff skillsets and knowledge. We also partner with all major Big Data platform providers such as Hortonworks, Cloudera and MapR.

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