From reactive to proactive Government.
Harnessing data, engagement, collaboration, governance and automation, supporting front-line resources and the digital citizen of the future, creating an automatically caring society.

GARNET8
making IT simple

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An automatically caring society, where Government's front-line supports Citizens utilising a simple, low risk, collaborative, engaging, automated foundation. A foundation that empowers efficient, productive front-line staff to:

- Focus on citizen needs.
- Deliver better outcomes.
- Access information when and where they need it.
- Seamlessly collaborate and engage, reducing wastage, improving outcomes.
- Save 'time and money'.

Empowering Governments to:

- Make better decisions, faster.
- Free staff from back office tasks.
- Become agile, automated, proactive, reducing overlapping costs.

All of which amounts to unobtrusively supporting citizens where, when and how they need it.

Because Governments current reactive, disjointed, replicative, inefficient, high cost, multi-entry patchwork is restricting front-line services, their abilities and effectiveness are limited. This inevitably costs "time and money".

> When we refer to "the Government", "Government" or "Governments" we mean Local and Central Government Departments, Health and Social Care, Policing, Education, Justice, Defence...

From disjointed, reactive and costly to coherent, flexible, proactive, automated and simple.

The silos, isolation, replication and disjointed information within and across processes in Government is increasing risk and wastage, impeding decisions and costing Governments time and money.

The solution to this is not to seek a new 'silver bullet' but to build upon existing investments to enable a low risk, high return transformation across Government.

The question thus becomes how to:
- Transform Governments from being reactive to being proactive.
- Support Government processes with sustainable, high quality, coherent, consistent and reuse-able information.
- Transform from purchasing technology to using data, to deliver better outcomes, faster. Become an efficient, effective Government, supporting an automatically caring society.

The Situation.

Governments currently suffer from a patchwork of paper, legacy and bespoke systems. These are disconnected, disjointed and cannot be built upon, this leads to solving the same problems over and over again; inevitably reinventing solutions and repeating costs.

Governments have found themselves trapped between paper and high cost digital transformations. This has caused a disengagement within their digital transformations, impeding the seamless capabilities digital can offer.

This is causing disjointed governance, collaboration and management which in turn increases costs and risks. This impedes tasks, hampers decisions and takes staff away from Governments front-lines.

The disconnect is duplicating effort, tasks, management and costs. This increases risk, dilutes information quality and inhibits decisions, leading to lacklustre productivity and wastage. The wastage from this disconnect spirals because of additional processes, storage needs, time spent duplicating information entry, security and system management costs.

The disconnects within data is impeding governments ability to automate and move beyond high cost 'Extract, Cleanse, Transfer and Load' procedures and data replication. This forces staff to return to conversation based collaboration that's harder and more costly to derive intelligence from and automate.

The silos, data disconnects, and high cost procedures managing information is producing multiple incoherent pictures. The incoherence between theses pictures increases costs within Government processes, and exposes decision makers to out of date information thereby increasing risk and impeding governments decision making.

Government Institutions and Departments are increasing their lock-in to disjointed, high cost systems with additional layers of software to manage. This isn't increasing agility or enabling them to create forward facing system that provide the right information at the right time.

What Government wants to achieve.

The UK Governments Digital Strategy specifically outlines the need to:

- Harness and unlock the potential of Government's data.
- Make services work smoothly and seamlessly for citizens.
- Enable the right information to be available to the right part of Government at the right time.
- Create a linked ecosystem of trusted, resilient and accessible data.
- Make Government data easier to create, maintain and put to use.
- Extract maximum value from data to create better services for citizens.
- Collect data once and use it many times – reducing the respondents burden.

The Government has a need to support it's citizens, and has a need to monitor and demonstrate value for money to tax payers. The latter creates inevitable bureaucracy moving staff from front-line jobs to support this.

The Opportunity.

Utilising data can empower institutions to automate the monitoring task without diluting its effectiveness and thus free up staff to support front-line services.

Connected information enables task automation, automatically detects data changes and empowers staff to move from the back-office and into visible front-line supporting citizens.

Transforming UK Government into a digital world leader.

This empowers an opportunity for the Government to **save billions of pounds**.

The Freeer and Eddie Hughes MPs [0] report outlines an opportunity for £8 billion in savings with another [1] showing a possible £35 Billion per year in efficiency saving from automation within the Government's back-office.

Delivering the Opportunity

Utilising a flexible, tool-kit and harness that is off the shelf will enable the Government to realise faster time-to-value, with higher returns-on-investment and lower risk.

A flexible tool-kit that harnesses data will provide an enormous opportunity to rationalise and simplify across the Government, reducing costs, optimising processes and creating better outcomes for citizens. Using data to drive triggers within the Government will enable it to move from being reactive to proactive, creating an automatically caring society.

Harnessing data will enable the automation of simple tasks, for example a citizen moving address can trigger an event to send out a welcome pack or change the blue badge if applicable. This will enable a smoother transition for the citizen and reduce back-office inconveniences for the Government, saving time and money.

An example of how the Government can achieve this automation is demonstrated in this simple, quick, interactive demonstration.

An off the shelf solution that mirrors the decentralised nature of the Government with simple, collaboration, automation and data management, will enable the Government to achieve their digital strategy faster.

To achieve this the Government needs to move beyond purchasing technology, but instead look to use the data needed to support tasks. This will allow them to reuse information, apply governance across data, automate based on changes to data and provide real-time visualisation locally and centralised.

The Benefits.

A proactive, automatically caring government and society.

A Government that puts the citizen front and centre.

A society where the Government uses data transparently, enabling the Government to provide high quality forward facing, supportive services without large burdens on tax payers.

A Government that extends the value of information can both support local needs and also localise delivery in a manner that does not require burdensome oversight.

A transformation that shifts from focussing on how to control the technology to how to deliver services and value for the citizen.

A system that suits local, department and institution needs, with the flexibility, low risk and low cost delivery within a common architecture that is seamless and simple.

All of which combines to create a way for the Government to build for the future.

GARNET8 Collaboration Clouds (G8CC) the data solution for the UK Government.

Our solution isn't a concept or prototype, it is a tool-kit available through the Government Marketplace (GCloud10 platform). It provides the data, governance and collaboration needed to enable a sustainable, agile transformation across Government services.

Our solution enables the Government to achieve faster time to value, in a low risk solution, providing a low risk alternative.

This solution is a low risk approach because the Government doesn't have to:
- Invest in the development of the tool-kit.
- Purchase high costs licenses.
- Invest in large, high cost retraining programmes.
- Re-skill to support the tool-kit.
- Transform every department or institution at one time, it can enable the Government to start small and easily scale.

Our data harness is a decentralised tool-kit that delivers collaborative, governed distributed data management systems. This means that it isn't a centralised platform that is imposed across Government or a Centralised Data store that implements privacy concerns. This diverges from the previous Government Initiatives, such as care.data and the NHS system that cost the taxpayer billions without delivering the promised benefits.

GARNET8 Collaboration Clouds (G8CC) provides a simple, low risk way for Governments to migrate paper processes. For example, within our demonstration here, we demonstrate the simplicity, speed and low risk nature of our solution. This demonstration utilises an existing paper form used within a NHS trust and builds upon existing value, connecting data across systems.

Our solutions ability to connect and engage using information doesn't just create an efficient foundation, it also improves effectiveness of services. This is because it increases engagement, provides access to information when and where people need it, enabling them to improve productivity and outcomes and enables automated tasks when circumstances change.

G8CC Adoption.

Our solutions deployable nature, common framework and interface allows it to be easily integrated within existing transformation and infrastructure strategies. This enables Government departments to implement initiatives faster, using existing skills within their organisations.

Using G8CC enables Governments to start small and easily scale. Its ability to extend the value of information means departments and institutions within Governments can easily build and extend investments, building a solid, coherent foundation.

Our harness can build upon existing knowledge and investment made by the Government. For example Government Digital Services (GDS) have invested in Verify, Notify, Pay and the establishment of standard registers of data. Our harness can build upon and bring these investments together to create a coherent foundation for the Government to build upon, while unlocking the knowledge GDS has gathered.

Our harness can:
- Provide a technology wrapper that enables departments and institutions within the Government to extend the value of information within the standardised registers.
- Integrate Pay and Notify to provide simple wrappers to extend their value within integrated, automated systems.
- Extend Verify to provide a transparent, governed, aggregated layer to display applicable information to Governments without compromising the individual's rights and privacy.

Beyond GDS, Local Government and Government Institutions can build upon knowledge gathered during GDPR compliance work. The investment within this work can easily be translated into simple, connected, localised digital services across the Government estate.

Our solution can quickly deliver value protecting the most vulnerable in society. It can provide the foundation for a data-driven approach to support the investment by Waltham Forest in partnership with Hackney and Ofsted for Chat. Chat is a visualisation tool for Children's services, our solution can provide the localised, coherent foundation to support this visualisations tool real-time data stream. This will empower the Government to support the most vulnerable in society, by streamlining processes.

A simple, interactive example of how localised systems can create a real-time data-driven streams for local and central visualisation can be found here.

Beyond GovTech and the UK Government.

G8CCs architecture means it can be used beyond English speaking countries and GovTech easily. Its ability to harness data enables it to be used within Supply chain and Business ecosystems, allowing them to move from handling information to productively engaging within and across their boundaries.

Supporting an innovative, entrepreneurial, low risk SME like GARNET8 Limited, the Government can transform their own information management while supporting an organisation to expand opportunities for a future leader in Data-Driven Management of Governments and Businesses of all sizes.

The Vision.

Our vision is to bring existing knowledge, investments and value across the Government together.

GARNET8 can provide the coherent, proactive, governed, collaborative, simple foundation for Government to build upon. This will enable the Government to automate tasks using data-driven triggers, minimising risk and costs within back office tasks, allowing them to support an automatically caring society.

Starting this process is as a simple as gaining access to the register of addresses and citizen's root identifier then it would be possible to build this out.

From these two information sets Departments and Institution can easily build systems that suit processes within their specific tasks. This information can be connected across Department and Institution, enabling the foundation for the Governments Digital Strategy.

The next steps.

1. Develop a localised governance strategy using group members, enabling the access and collaboration management needed across the Government.
2. Create two registers, places and citizens. This provides the foundation to extend and connect information. This builds upon the ideas that Matt Hancock set out in his Health and Social care strategy.
3. Define the data-driven structures for real-time monitoring and performance at a central level. This can support initiatives such as the Children Service Analysis Tool (Chat) by Jane Mallo at Waltham Forest Council in partnership with Hackney Council and Ofsted.
4. Migrate existing, disjointed, high cost paper and spreadsheet based processes to a coherent, data-centric foundation, building upon the value created within GDS established registers.
5. Integrate Verify, Pay and Notify from GDS to demonstrate their value, building upon the Governments considerable investment.
6. Extend the value of information and migrate the high cost legacy systems, silos and considerable connective tissue across government, reducing risk, costs and delivering faster outcomes.
7. Roll out the Government as a data-centric, automated, data-driven, low risk, highly agile, forward thinking organisation, that supports an automatically caring society.