

## **Solution enabling organisations to build for the future.**

Government Agencies, Healthcare Suppliers, Supply Chains and Businesses of all sizes (Organisations) need to be able to securely govern, automate, integrate and collaborate on information within compliance regulations.

These organisations need consistent, real-time information at their finger tips. Current disjointed, replicative, high cost solutions impeded productivity and efficiency. Meaning they lose control over governance, security, compliance and privacy.

A decentralised laterally scaling number of platforms (portals) that act as a single interface providing governance, information management, automation, integration and collaboration supports the desires and needs of organisations.

Our solution GARNET8 Collaboration Clouds (G8CC) provides a decentralised laterally scaling asynchronous hierarchical database, platform and framework (Tool-kit) to deliver these desires and needs. Existing Cloud infrastructure provides the foundation for G8CC as a decentralised solution, supporting personalisation and delivery of decentralised information management systems across cloud infrastructure and providers.

The G8CC tool-kit provides an abstracted layer across Cloud infrastructure, it controls data governance, storage and event triggers based on requests or data change. This enables organisation to easily personalise their solutions, providing flexibility and the ability for organisations to focus on process needs.

The single creation of a data object and one to know access management within G8CC enables organisations to comply with compliance regulations. This is because they know where information is stored, who can access it and even who and when they've accessed it. This removes the risk within collaboration technologies such as email, file sharing services or synchronous layers such as integration platforms (iPaaS), enterprise service bus (ESB) and Blockchain.

The append only, hierarchical database enables nodes to be unique values or pointers to local or external platforms (Services) data structures. This allows the creator to control governance, where information is stored, security and processing of information, while enabling collaboration and engagement across cloud infrastructure and organisation boundaries.

G8CC allows organisations to mirror processes and physical assets with data objects. This enables flexibility and greater control within decentralised processes. For example:

- A RFID tag starts at address A. The RFID tags data object would have consignment information, with a pointer to Address A.
- RFID tag moves to “in transit” with the newly appended transit organisations details, within the Address node.
- Lastly the RFID tag is offloaded at Address B, the pointer is updated to represent this.

With the use of G8CC append only data base, the RFID tags Address node would contain all three states of the pointer, within a synchronous structure. This enables people and things to make more informed decisions faster.

This process flow can be applied to Government information management, using the citizens birth identifier and physical assets such as properties that are reused within Government engagement touch points. This moves from the recreation of information to reusing and changing data pointers, allowing a single update of address to be correct across all citizen information. This removes wastage, risk and enables Government front-line staff to focus on the citizen needs.

G8CC enables decentralised hierarchical data to be aggregated into a seamless form or data object, for processing or collaboration. This empowers the automation of tasks based on simple data triggers, providing a real-time automated foundation for organisations to build upon.

Data object branches can also be aggregated depending on Meta data, allowing end users to make more informed decisions. This is a vast improvement upon needing to manage data across multiple portals or using email/phone to aggregate information across organisation boundaries. The current aggregation of information across silos wastes time and money.

G8CC provides output-channels enabling real-time visualisation of integrated visualisation and learning tools. This enables organisations to build upon existing investments around analytics's as well as building a coherent visualisation picture. The output-channels allow organisations to deliver local or centralised visualisation based on wire protocols and standardisation of data structures. This is especially useful for Government Departments, that currently waste large sums of money on 'Extract, Cleanse, Transfer and Load' procedures, within departments and to centralised

governance.

G8CC is an innovative solution that moves organisations beyond taking legacy systems and thinking to the cloud. Its simple, intuitive interface and ability to extend the value of information empowers organisations to start small and easily scale within Cloud infrastructure.

G8CC's platform is based upon an event driven system. This means loosely coupled Apps become building blocks for services running within a single platform. This platform can run within a single or cluster of Virtual Machines. This reduces overheads because an App is only executed for a specific event, moving beyond idling systems. This enables better use of cloud resources for organisations.

G8CC's loosely coupled Apps design also means it is easy to extend and build upon existing investments. This is through the Embedded functionality built within the platform and interface. This provides lower delivery and total cost of ownership, as IT department don't need to provision and manage new infrastructure or deliver/support new IT systems.

G8CC delivers a lower total cost of ownership. It enables collaboration without centralisation, providing real-time visualisation and automations. This enables organisation to quickly build upon value, mirroring organisation processes. It breaks the shackles and replicative thinking, to provide lower delivery costs and lower total cost of ownership.

G8CC is one of the most innovative solutions supporting organisation.

GARNET8 Collaboration Clouds provides a solution for the future, not one that is continuing the replicative mistakes of the past.