



PSCIOC Information-Sharing – February 2017

JURISDICTION: Treasury Board of Canada Secretariat, Chief Information Officer Branch		Contact
1. <u>Accomplishments:</u>	<p>Information Technology</p> <p><u>What We Heard Report:</u> The “What We Heard Report” on the consultations on the published Government of Canada Information Technology Strategic Plan 2016-2020, GC Cloud Adoption Strategy, Cloud Security Control Profile, and GC Right Cloud Selection Guidance will be published in early 2017.</p> <p><u>GC Business Capability Model v1:</u> Treasury Board Secretariat (TBS) and Employment and Social Development Canada (ESDC) launched a collaborative effort to develop a Business Capability Model for the Government of Canada (GC). As part of the efforts being led by the Chief Information Officers (CIO), they were looking for ways to identify standardized, horizontal solutions, not just within departments but across the GC.</p> <p><u>GCIP Release 1:</u> This year the GC realized phase 1 of its interoperability plan through the development and deployment of the GC Interoperability Platform (GCIP R1). This initial phase focuses on providing data from the GC’s centralized HR systems to downstream departmental programs and solutions. This is the first step in rolling out the solution for all enterprise back office and front office systems. Procurement has been launched to transition to a Managed Service.</p> <p><u>GC API Store:</u> In addition to instantiating the GCIP, the GC procured a solution for the GC Application Program Interface (API) Store Pilot working in partnership with Innovation, Science, and Economic Development Canada (ISED). The GC API Store is an online repository of business capabilities that are exposed in digital form (APIs) over the Internet (or Intranet) for other digital systems to use. As a foundational component of the GC Interoperability Platform and one-stop shop for GC APIs, the API Store will greatly extend the visibility of GC APIs by managing them as vital, discoverable digital open government assets in a secure and repeatable manner.</p> <p><u>GC IT Planning and Prioritization Framework:</u> TBS has made some important improvements this year to the GC IT Plan that Shared Services Canada (SSC) partners are required to submit for the 2017-2020 IT Planning Cycle which was launched in January 2017. The largest improvement is the development and introduction of the GC IT Prioritization Framework that departments will use to score their IT plan items to produce the GC’s first prioritized IT Demand Profile. This profile will be used to guide and direct SSC delivery of partner requests in 2017/18. Other improvements include identifying IT plan items that are: Cloud Service candidates; aligned to the GC IT Strategic Plan 2016-2020; and aligned to the GC Business Capability Model v1. The deadline for submission of IT Plan data into the TBS online tool is March 31, 2017.</p>	<p>Marc Brouillard Marc.Brouillard@tbs-sct.gc.ca</p>



Cyber Security

EnGarde 2016: TBS conducted a senior executive level cyber simulation exercise in June 2016 to exercise the new GC Cyber Security Event Management Plan, and produced an after-action report in September 2016 with lessons learned to inform future exercises.

Security Policy Implementation Notice (SPIN) 2015-01: Under TBS direction, over the course of 2016, GC departments were given a “cyber security challenge” and asked to perform a series of activities based on the CSE Top 10 IT Security Actions (namely patch management, privilege management and a CSE Top 10 self-assessment). Departments have reported their progress and analysis is underway to assess results.

Cyber Security Review: In support of Public Safety's Cyber Security Review, TBS produced a Report on Cyber Security of Government Systems based on internal consultations and research of other jurisdictions. This report was submitted to Public Safety in December 2016 to be considered as input into their overall Cyber Security Review.

GCpass (formerly known as GC ICAS): GCpass aims to provide a single, centralized Credential management and authentication capability, providing standardized processes and decoupling applications from proprietary technologies using open standards to the extent possible. GCpass intends to enhance security, improve the user experience via Enterprise Application Single Sign-On and save costs through economies of scale. In August 2016, the GCpass RFP was completed and posted. Following the SSC smart procurement process, which included extensive consultation with industry respondents and refinement of requirements, a successful bid was chosen in November 2016.

Cloud: To support the GC Cloud Adoption Strategy, TBS developed a GC Security Control Profile for cloud-based GC IT services in June 2016, which identifies a set of baseline security controls that must be implemented by Cloud Service Providers and GC organizations to appropriately protect cloud-based services at the Protected B level. TBS also developed and published security requirements for the Unclassified SSC Public Cloud Procurement in November 2016.

Information Management & Open Government

Open Government: In December 2016, Treasury Board of Canada President Scott Brison attended the [Open Government Partnership Global Summit 2016](#) in Paris. The Summit was an opportunity for Heads of State and governments, civil society representatives, academics, innovators, and journalists to gather together and share their experiences on open government. For the first time ever, select sub-national governments were invited to participate in the Summit. Prior to this Summit, the CEO of the OGP met with TBS officials in Ottawa, and expressed his hope that Canada

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will assume an increasing leadership role in the OGP.

In addition to this international engagement, TBS officials participated in the [GovMaker 2016 Conference](#) in Fredericton, November 2016. This conference was an opportunity for the GC to highlight its ongoing collaboration with provinces, territories, and municipalities to support greater alignment of open data across Canada. It was also an opportunity for the GC to engage with stakeholders in civil society, the private sector, and with government partners to better understand their needs and expectations with regard to the implementation and assessment of open government initiatives.

Governance for Information Management & Open Government: TBS has streamlined Information Management (IM) and open government (OG) governance in late 2016 to meet the changing role of the CIO and recognizing that the majority of departmental CIOs now assume role of Information Management Senior Officer (IMSO).

The Chief Information Officer Council (CIOC) became the governance body for IM, and the IM Council was disbanded. OG priorities will be elevated in visibility through a dedicated assistant deputy minister-level committee.

IM Community Enablement: For the past few years, TBS has partnered with the Library and Archives Canada (LAC) to organize and, more recently, re-brand (from Record Keeping Day) the twice-annual meetings of IM functional specialists in the GC. The last IM Symposium event in October was well-attended – attracting 291 on-site participants plus 144 via WebEx – and well-received, according to evaluations.

In October 2016, CIOB updated the IM Analyst Program which now dedicates a TBS analyst to every department and agency, regardless of size or scope. We have also begun to look at the development of the IM community to better understand existing and emerging staffing and development needs.

Digital Collaboration and Community Enablement

Launched the renewed GCTools in April 2016, integrating GCconnex (a professional social network), GCpedia (the GC wiki) and GCintranet (single window into common GC intranet content). The reimagined GCTools feature simple navigation and an improved user interface, federated search across all platforms and easy sharing of content across the enterprise. Registered and active users continue to grow, with 140,000 registered users and approximately 24,000 active users (not counting browsing users) over the course of a month.

The GCTools expanded to include GCdirectory (formerly GEDS) in November 2016 including common API calls between GCconnex and GCdirectory to simplify and improve the user

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	<p>experience.</p> <p><u>Launched the Opportunities Platform</u> on GCconnex in partnership with TBS/OCHRO, Health Canada and the National Research Council as an agile, zero paperwork way to matching employees to developmental and professional opportunities based on skills across the Government of Canada.</p> <p><u>Launched GCcollab</u> in September 2016 as a new addition to the GCTools suite. GCcollab is <u>the first ever platform</u> for the GC to collaborate directly and strengthen relationships with students and academia. This cloud-based professional social network is open to all universities and colleges in Canada as well as Federal, Provincial, and Territorial governments.</p> <p><u>Launched Business Line Support Services (BLS)</u> as a new work stream within the CIO Suite of Generic Products (This suite is comprised of organizational models, work descriptions, competency profiles, and statements of merit criteria). BLS covers four disciplines – IT relationship management, IT client portfolio management, IT project portfolio management, and IT business analysis.</p>	
<p>2. <u>Priorities:</u></p>	<p>Information Technology</p> <p><u>Cloud Interoperability Architecture Definition and Procurement:</u> With the expected accelerated growth of cloud-based infrastructure and applications, TBS is preparing to extend its interoperability architecture to the cloud. New capabilities are needed to enable seamless information flows between cloud-based and on-premise enterprise systems and, for the first time, to empower business line practitioners to enable their own interoperability scenarios under a self-serve model. To that end, TBS, in collaboration with Public Services and Procurement Canada (PSPC), SSC and departmental stakeholders, is developing its next generation interoperability framework. Activities to date include the definition of hybrid interoperability (cloud and on-premise) and a plan for the procurement of the required capabilities.</p> <p><u>Cloud Round Table:</u> TBS and SSC have been hosting Round Table sessions over the past year in developing its Cloud strategy. These forums have been very beneficial in providing a platform for open discussion, primarily between TBS, SSC and PSPC. As the focus shifts towards executing the strategy, the Round Table will be opened up to other GC departments in order to facilitate communication, collaboration and alignment. A related collaboration initiative underway between TBS and SSC is the centralized Demand Intake. A standardized Cloud service request process is being designed to promote efficiency, consistency and governance.</p> <p><u>API Strategy for the GC:</u> Application Program Interfaces (API) are means by which we expose business functionality digitally. They are building blocks that are critical to the successful delivery of a single online window for government electronic services. As part of its roadmap to enable</p>	<p>Marc Brouillard Marc.Brouillard@tbs-sct.gc.ca</p>



interoperability across the GC, TBS is developing a strategy to accelerate the development of GC APIs. Its main goals are (1) to provide a convenient one-stop shop for GC digital services, (2) standardize the way GC digital services are managed as critical digital open government assets and (3) provide guidance to departments on how to leverage APIs for their digital service delivery channel.

Integrated IM and IT Strategic Plan: TBS will develop a list of proposed changes to the strategic plan based on input gathered from various sources with special emphasis on integrating IM and IT. This list will be refined and validated with stakeholders, publicly consulted and an updated plan will be published in the Fall.

Cyber Security

EnGarde: In 2017, TBS will focus on establishing a procurement vehicle to allow for the GC to conduct exercises on an ongoing basis (at minimum, annually)

Security Policy Implementation Notice (SPIN) 2015-01: In 2017, TBS will finalize its analysis and produce a report to summarize a GC-wide view of progress achieved under the SPIN activity.

GCpass: In early 2017, the project team expects to award a contract and begin key Enterprise application migration within 6 months of contract award. The change management strategy and plan will also be finalized and ready for implementation prior to migration.

Cloud: In 2017, TBS will continue to support the RFP process for the unclassified cloud procurement, and use lessons learned from this activity to inform the upcoming Protected B cloud procurement. TBS will also publish GC Cloud Security Risk Management procedures to guide departments in managing IT security risks to GC services when they are hosted in a commercial cloud. Lastly, TBS will support SSC in the stand-up of the SSC cloud broker service.

Credential Transformation: Credential Transformation is an initiative to update the GC enterprise credential landscape, complementing the GCpass program. The primary focus is updating the use of PKI and providing a cost-effective, deployable, two-factor authentication solution with a good user experience for GC applications to use. In 2017, TBS will investigate PKI solutions and implementation options for two-factor authentication.

Information Management & Open Government

Open Government: The GC will focus on the implementation of the [Third Biennial Plan to the Open Government Partnership](#), including a specific commitment on aligning open data across Canada. We will collaborate with provincial, territorial, and municipal partners and with stakeholders to promote the principles of openness and transparency and to support greater interoperability in open

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data.

TBS will participate in a number of open government events and forums across Canada, supporting increased engagement with governments and civil society organizations from all regions. Of note, the fifth annual [Canadian Open Data Summit](#) will be held in Edmonton, June 2017.

Integrated Information Management & Information Technology Strategy: Through consultations in recent years, TBS has identified the need to better integrate its Information Management (IM) and Information Technology (IT) strategic plans. The new strategic plan is scheduled for release this summer.

Information Management Policy & Performance: Guided by the work on IM strategy, and as part of the simplification and modernization of the entire suite of TBS policies, the Chief Information Officer Branch (CIOB) is developing a new policy for IM along with a new performance framework.

Transforming the Government Back Office: Federal government departments and agencies currently have their own human resources management, financial management and information management platforms. This myriad of platforms makes it difficult to assemble enterprise-wide data for Canadians, and to achieve value for money through back office efficiencies. The GC is committed to replace these platforms with Government-wide systems.

Digital Collaboration and Community Enablement

Enable GC strategic leadership and direction relating to IT disability accessibility for Federal public service employees.

GC interdepartmental diversity strategy tiger team to promote gender parity within the GC IT community

Enhanced GC enterprise IT workforce planning

Convert the CIO Suite of Generic products (work descriptions) using the new GC IT classification standard

GCTools

Develop a recommendation engine to surface valuable content to users in real time

Expand upon the API structure for GCTools to better support mobile interfaces and a hyper-accessible collaboration experience

Further engage open source community to improve tools and platforms for opening government and

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	improving services to citizens.	
3. <u>Issues and Needs:</u>	<p>Open Government: As the PSCIOC/PSSDC Joint Councils and DM Table on Service Delivery continue to discuss the alignment of Open Data and Big Data, it is important to leverage the Joint Councils' Open Data working group as a forum for ongoing dialogue on open government challenges and opportunities among governments at all levels.</p> <p>IM Sub-committee of PSCIOC: With the recent decision of the Province of Alberta to step down as Sub-committee Chair, the GC – as the current Vice-chair – assumes the leadership. Representation on the Sub-committee from some provinces and territories was missing in 2016, and the previous online collaboration space used by this Sub-committee is no longer available. We ask the PSCIOC secretariat to contact all participating jurisdictions to confirm membership in the Sub-committee. This Spring, we will convene a WebEx meeting of the Sub-committee with an agenda focused on:</p> <ul style="list-style-type: none"> • Calling for volunteers for a new Vice-chair • The identification of priority projects for the next two years • The development of a Work plan <p>Seeking partnerships in developing open source tools and improving existing tools (GCconnex, GCpedia, GCcollab)</p>	<p>Mélanie Robert Melanie.Robert@tbs-sct.gc.ca</p> <p>David Cramm David.Cramm@tbs-sct.gc.ca</p>