

TBS Open by Default Pilot Summary

Outcomes

- The Open by Default Pilot project successfully launched on open.Canada.ca in July 2017
- TBS will be moving forward with the next phase – moving from proof of concept to operational for TBS for March 2018

Description

- Canada's Open Government Portal, open.canada.ca, provides a one-stop, searchable access point to the Government of Canada's open data and open information.
- In addition, a new "Open by Default Pilot" project has been developed to provide access to more GC resources and extending it to working-level information and data as part of the Government's commitment to openness and transparency.
- This project will increase "open by default" across the GC by operationalizing visibility and co-creation.
- This project also leverages the existing open source tools that power open.canada.ca (CKAN, Drupal and Solr), GCDOCS and associated features, as well as best lessons learned from the Canada Science and Technology Museum Corporation (CSTMC) Open by Default program.

Phase 1 – Proof of Concept (July 2017)	Phase 2 – Pilot (March 2018)	Phase 3 -Operational (April 2018)
<p>High-level, light interim solution for proof of concept (POC) pilot departments</p> <p>Planning phase – develop full functionality requirements, information architecture</p> <p>Consult on functionality, obtain user feedback</p>	<ul style="list-style-type: none"> • Develop ideal infrastructure for pilot • Move POC to TBS cloud • Develop GCDOCS Restful API feed from GCDOCS to CKAN • A trial of one departments securely pushing/publishing from their GCDOCS behind the GoC firewall by means of a DataServer/CMIS document pipeline queue to the DMZ. 	<ul style="list-style-type: none"> • Move from pilot to operational phase • Configure GCDOCS managed web serves to have similar functionality • Standardize workflows for document publishing to the open by default portal • Onboard new departments. • Both GCDOCS and CKAN portions will scale to handle larger volumes in both data and site visitors. • The system will fully support daily updates and the document lifecycle.

Sponsor

- Treasury Board of Canada Secretariat, Public Services and Procurement Canada, Statistics Canada

Technical Architecture – Phase 1

Open By Default High Level System Design

V1.0 August 9, 2017

GitHub Repositories

CKAN

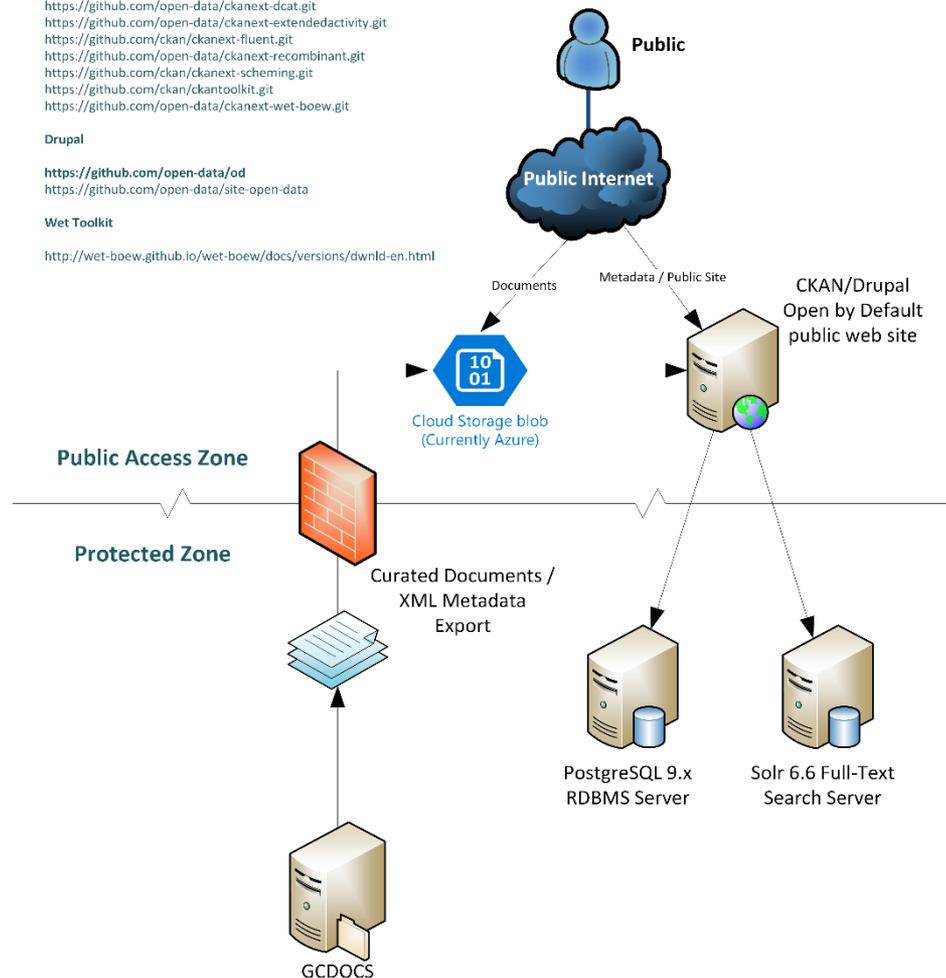
<https://github.com/open-data/ckanext-canada.git>
<https://github.com/ckan/ckanapi.git>
<https://github.com/open-data/ckanext-cloudstorage.git>
<https://github.com/open-data/ckanext-dcat.git>
<https://github.com/open-data/ckanext-extendedactivity.git>
<https://github.com/ckan/ckanext-fluent.git>
<https://github.com/open-data/ckanext-recombinant.git>
<https://github.com/ckan/ckanext-scheming.git>
<https://github.com/ckan/ckantoolkit.git>
<https://github.com/open-data/ckanext-wet-boew.git>

Drupal

<https://github.com/open-data/od>
<https://github.com/open-data/site-open-data>

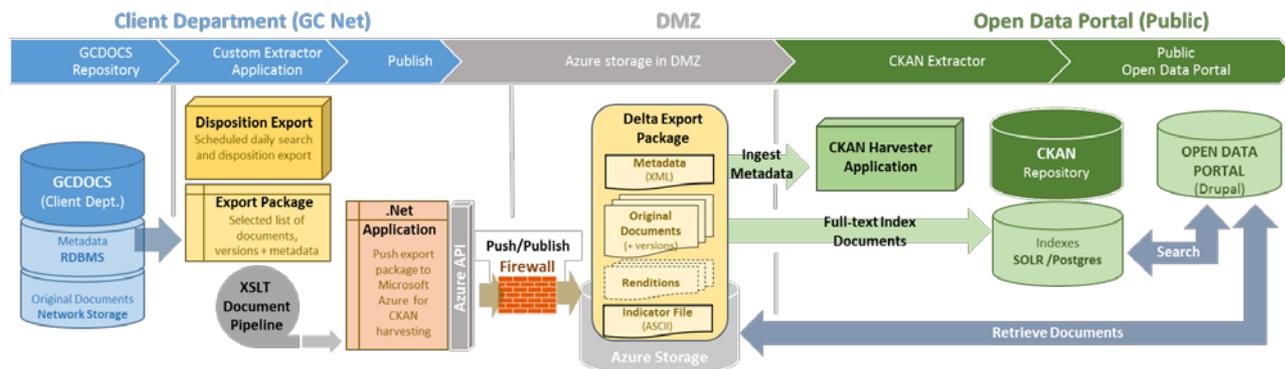
Wet Toolkit

<http://wet-boew.github.io/wet-boew/docs/versions/dwnld-en.html>



Overview of Pilot Open by Default Process

- **GCDOCS (Content Server) instance** for the client department – in the initial pilot, a single sandbox instance of GCDOCS shall be used to simulate a production GCDOCS library. Each client department participating in the pilot will load their sample export documents into this GCDOCS instance.
- **Document Pipeline and PERL scripts** to transform the disposition export package into the appropriate XML format and package for importing into CKAN
- **Custom .Net Application** to package and securely transfer the export packages to Microsoft Azure storage in the Cloud
- **Microsoft Azure Storage** to store the documents and export packages for use by the Open by Default Portal
- **Open by Default Portal on Microsoft Azure Cloud infrastructure.** The Open by Default Portal will consist of a:
 - **CKAN Harvester application** to ingest the metadata and document pointers (to Azure storage) into the CKAN Repository
 - **CKAN Repository** for storing the metadata and document pointers
 - **SOLR full-text indexing and search engine**
 - **Drupal web application** to house the Open by Default Portal



Technical Architecture – Phase 2

Open By Default Phase 2 (Pilot) Overview

v0.4 April 26, 2017 - Ross Thompson – ADSD, Statistics Canada

DRAFT

