



# Purpose

- To provide an update to Architecture Framework Advisory Committee (AFAC) members on the development of the SSC Open Source Software (OSS) Strategy
- To solicit input on identified OSS opportunities

## Agenda

1. Enterprise Architecture (EA) Strategic Planning Process
2. Progress Summary
3. AFAC OSS Session 1 Recap
4. Opportunities
5. Breakout Sessions
6. Next Steps



# EA Strategic Planning Process

## Position

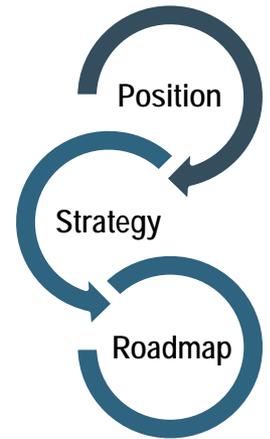
Establishes a directional position that guides the strategy

## Strategy

Identifies strategic goals and outcomes and how to achieve the desired target state

## Roadmap

Identifies a progression of maturity in OSS adoption across the SSC organization



# Progress on SSC OSS Strategy

- First consultation with industry (AFAC)
- Discussions with departments (Canada Revenue Agency, Canada Border Services Agency, Environment and Climate Change Canada, National Research Council of Canada, etc.)
- OSS opportunities identified in specific areas within SSC
- Development of OSS strategy deliverables
- Considerations of other government practices (United Kingdom, United States, France, etc.)



# AFAC Session 1 – Recap of SSC OSS Position

- For all software acquisitions, open source solutions must be actively and fairly considered alongside proprietary ones.
- Acquisition decisions will be made on the basis of best value and fit to the business requirement, taking account of the total lifetime cost of ownership of the solution, including exit and transition costs, after ensuring that solutions fulfil minimum and essential capability, security, scalability, transferability, support and manageability requirements.
- Where there is no significant overall (full-lifecycle) cost difference between open source and non-open source products, open source will be selected on the basis of its additional inherent flexibility.
- OSS support models and options must be evaluated and selected.
- All software, including OSS, must have a defined and managed lifecycle that is supported by a robust toolset (software acquisition and distribution guidelines).

# AFAC Session 1 – What Did We Hear?

- The position of actively and fairly considering all software options (OSS and proprietary) based on best value is good.
- To achieve this, we need a good total cost of ownership assessment model to measure all costs.
- It's important and beneficial to contribute back to OSS communities.
- A possible high rate of change of OSS solutions needs to be taken into account.
- Requests for proposals need to be adjusted so that OSS suppliers can equally apply.
- Being OSS friendly can help attract IT talent.



# Identified OSS Opportunities

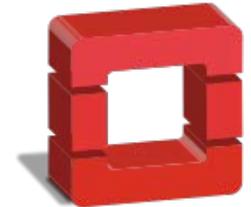
Middleware/Database



Software Provisioning



Cloud Computing Platform



Software Distribution



# Opportunity – Middleware/Database

## Goals

- Provide the best cost-effective middleware/database service offering.
- Collaborate with partners around best practices and implementation experiences so we can all benefit from them.

## Plan

- Build an inventory of middleware and database OSS solutions leveraged by SSC and partners.
- Conduct a pathfinder project with a partner to test an OSS solution.
- Create a working group to share best practices.



# Opportunity – Software Provisioning

## Goal

- Ensure that the Software Licensing Supply Arrangement (SLSA) is adapted to the OSS context so that all providers are encouraged to apply to it.

## Plan

- Review the current software categories and adapt the requirements accordingly (e.g. more “features based”).
- Create a working group to share best practices and listen to partner needs.



More info on SLSA: <http://logiciels-software.tpsgc-pwgsc.gc.ca/aaall-slsa/gnrx-gnrl-eng.cfm>

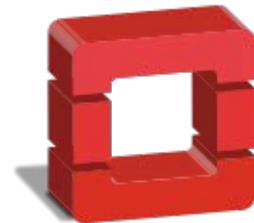
# Opportunity – Cloud Computing Platform

## Goal

- Offer a private cloud that is interoperable, agile, cost effective and free of vendor lock-in.

## Plan

- Buy or build a “Proof of Concept” environment based on OpenStack.
- Compare OpenStack distributions and service providers.
- Create a working group to share best practices.



# Opportunity – Software Distribution

## Goal

- Allow SSC to release in-house software packages or fixes under an open source licence, when it is considered beneficial for the Department.

## Plan

- Establish a SSC software contribution/distribution process (evaluation, approval, licence assignment, distribution).
- Pilot the new process by releasing specific in-house software under an OSS licence to a public source code repository (e.g. GitHub).



# Breakout Sessions

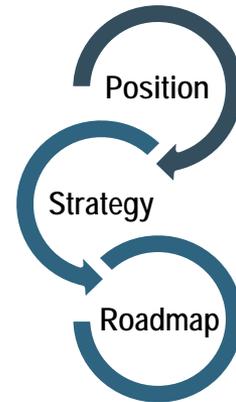
## Opportunities

1. Middleware/Database
2. Software Provisioning
3. Cloud Computing Platform
4. Software Distribution



# Next Steps

- |   |                                |
|---|--------------------------------|
| 1. Consult with SSC, central agencies and partner stakeholders      | November 2015 to February 2016 |
| 2. <b>Consult with AFAC</b>   | <b>Session 2: Today</b>        |
| 3. Refine SSC's OSS strategy and pursue identified opportunities    | December 2015 to February 2016 |
| 4. Obtain SSC senior management's approval for strategy and roadmap | March 2016                     |
| 5. Initiate the roadmap   | April 2016                     |
| 6. <b>Provide an update to AFAC</b>                                 | <b>Fall 2016</b>               |



# Thank you

