

Federal Data Center Consolidation Initiative (FDCCI)

Overview and Discussion

December 6, 2012

Why FDCCI?

Reverse the historic growth of federal data centers,

Reduce cost of data center hardware, software, and operations,

Promote use of Green IT by reducing overall energy and real estate footprint of government data centers, and

Improve IT security posture of the government

At the USDA
Downtown Complex,
consolidation led to 1
megawatt reduction
in power

Computer rooms
ready for
repurposing (aging
cooling systems, etc)

USDA's FDCCI Chronology

Year	Milestone
1996	Clinton Administration directed Exec Departments to plan for and begin data center consolidation
2008	USDA defines and certifies Enterprise Data Centers (KC, STL, Colorado (CFO), Beltsville)
2009	Gartner Consolidation Benefits Study. All agencies directed to prepare applications to operate remotely (Web/thin)
2010	OMB directs USG to generate a complete data center inventory (to include energy utilization, sq/ft, and other info)
	OMB directs USG agencies to complete, for publication, a data center plan and closure schedule
	FAS overseas staff in 99 posts migrated to Dept of State IT support
2011	USDA CIO directs all WMA agencies to consolidate infrastructure and transition applications
	USDA Closure Plan and Schedule Posted
	For additional information, go to: www.cio.gov Under Agenda , click on Maximizing Value Click on Data Center Consolidation box

General FDCCI Fun Facts

What is the definition of a data center?

- Sq/ft, does it contain applications, ??????
- NITC is working through agency reported data centers

What does “closing a data center” mean?

- Desktop support services remain / All apps transition

What are the reporting cycles?

- Was CY. In 2012, changed to FY
- USDA submits quarterly updates

What are the OMB reporting stages to track closures

- Inventory → Application Mapping → Migration Planning → Migration Execution → Equipment Removal → Closed

What is the initial FDCCI focus?

- Transition all business applications to designated Agency EDCs
- GIS is your business application

Lessons Learned

1. GIS is not a standard (SQL, .Net, etc) Business App (Costa Rica)
2. Smart enough to ask for help
 - a. Make every attempt to work best processes as a team
 - b. Proof-of-Concept
 - c. Bring in additional resources only when absolutely necessary
3. Skepticism leads to good testing procedures
4. Agency staff have day jobs and NITC has many to work with – minimize task/meeting inefficiencies
5. Progress is a great thing – GIS/FDCCI Progress based on Team Efforts
6. NITC hasn't moved one app to the EDC without direct agency participation
7. NITC understands budget issues. GIS move process will provide at least two hosting estimates per bundle prior to final.

Big FDCCI Year for the Big Three

- APFO FY13 – Q4
- GSTC/RSAC FY13 – Q4
- NRCS/Ft. Worth FY13 – Q4

- Things that worry me?
 - Approach GIS by agency

High-Level Transition Process

- Discover your business
- Discover your IT services with automated tools
- Provide preliminary hosting costs
- Develop move (app/tool/service) strategy
- Build target architecture/assemble test plans
- Agreement to proceed with testing
- Build target arch/move data/test
- Upon success, develop final hosting costs
- Wait for signatures

Takeaways

- Need to find sharing opportunities soon
 - If not some inefficiencies could be moved
 - Discovery (to keep FDCCI happy)
 - APFO underway
 - FS maybe soon
 - NRCS soon (already moving some services)
- * We have to work together to determine what will work remotely/in an enterprise manner and what will not. Lessons learned info is appreciated.

Takeaways cont.

- Visit USGS in Reston to determine how they store data (all help is appreciated)
- Visit National Achieves to discuss GIS storage mandates (all help is appreciated)