Agency data officers
January 10, 2018
AGENDA

• **Welcome, News & Updates**
  Barney Krucoff, Interim CTO, OCTO

• **How Code for DC Uses Government Data Working with Agencies**
  Kate Rabinowitz and Lizzie Ellis, Co-Captains, Code for DC

• **Oracle Service Oriented Architecture (SOA) Suite**
  Julie Kanzler and Siva Abbineni, OCTO

• **Feedback to the Enterprise Dataset Inventory Process**
  Barney Krucoff and Eva Stern, OCTO
NEWS AND INTRODUCTIONS

Barney Krucoff
NOTES ON ENTERPRISE DATA INVENTORY

• 839 Datasets were entered by December 11 (entry deadline)

• Liaisons may follow up with you with questions

• Final edits must be complete by January 26th, 2018
FEEDBACK TO THE EDI PROCESS

• **Survey to participants**, please complete by January 26th

• Please give us feedback on anything that stood out to you

• What we’re hearing so far:
  • Useful to see what our agency produces
  • Need a clearer workflow
  • Need more guidance around what is shared publicly (and what isn’t)
DATA POLICY ANNUAL REPORT

- Due March 11, 2018

“Publishing, in coordination with ADOs and the OGAG, an annual report to the Mayor beginning November 1, 2017. At a minimum, the report shall include recommended changes to this policy and other relevant policies, recommended legislation, a list of datasets opened during the prior fiscal year, and a list of datasets planned to be opened during the then-current fiscal year.”
TOPIC IDEAS

- Critical infrastructure captured in FOIA
- Level 0, but not yet in Open Data DC
- Improvements to the EDI
- Flag Level 3 for redaction and publication

- What are your ideas?
ENTERPRISE DATASET INVENTORY TIMELINE

- **May 4:** Mayoral Order 2017-115, District of Columbia Data Policy Announced
- **June 5:** AISO and ADO selection process complete and reported to OCTO. (Section IV B and D)
- **June 14:** Data Inventory tool distributed

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- **December 11:** Agency contributions to the Data Inventory must be complete.
- **March 11, 2018:** Data Inventory is published as Level 0, Open
- **Future:** updated data inventories will be published on November 1 of each year.
How Code for DC Uses Government Data Working with Agencies

Kate Rabinowitz and Lizzie Ellis
Co-Captains, Code for DC
VOLUNTEER CIVIC HACKING ORGANIZATION

- Code for DC is the DC Chapter of the Code for America Brigades. We bring together community members and subject matter experts with data enthusiasts and techies to help make a better DC for all of its residents.

- Meet in person twice a month at project nights, which are open to all. We keep the conversation going on Slack.
SAMPLE OF PROJECTS

- A lot of work on schooling: looking at budgets, reassignments, feeder patterns, and more.
- Worked with WAMU to show mayoral election results.
- We’ve better connected citizens to the DCPL and encouraged a green DC.
- Worked with WABA to understand regional bike infrastructure.
- We partnered with the Urban Institute and Coalition for Nonprofit Housing & Economic Development (CHNED) to build housing insights.
- Created a visualization of 311 requests and are working with The Lab at DC on the city’s rat issue.
- We partnered with the DC Deputy Mayor’s Office of Health and Human Services to provide support on issues from homelessness to rats on National Day of Civic Hacking.
BIG FANS OF OPEN DATA!

• We even have our own open data portal with data about D.C. from a variety of sources

• We’d really love to see an even better, more comprehensive DC government’s open data portal
Keep in Touch!

You can always email us at

team@codefordc.org

Presentation Notes
MIDDLEWARE
Service Oriented Architecture

Siva Abbineni and Julie Kanzler
OCTO
WHY MIDDLEWARE?
WHY MIDDLEWARE?
WHY MIDDLEWARE?

• Maximize cost efficiency

• Remove complexity

• Support heterogenous environments

• Mask differences in OS/Language

• Provides flexibility
ORACLE SOA SUITE

• **SOA** stands for **S**ervice **O**riented **A**rchitecture

• **Benefits**
  - Loose Coupling
  - Reusability
  - Interoperability
  - Scalability
  - Flexibility
  - Agility

• **Set of Integrated Capabilities**
  - Messaging
  - Service Discovery
  - Orchestration
  - Web Service Management
  - Security
  - Business Rules
  - Events Framework
ORACLE SOA SUITE ADAPTERS

- **Application Adapters**
  - PeopleSoft
  - EBS
  - SAP
  - Ariba
  - Baan

- **Database Adapters**
  - Oracle
  - IBM Db2
  - Informix
  - Microsoft SQL Server
  - Sybase
  - Progress
  - Teradata
  - Universe
  - Essbase
  - Format
  - MySQL, HSQL

- **Technology Adapters**
  - FTP, sFTP, FTPs
  - JMS
  - LDAP
  - MQ Series
  - AQ
  - SOAP
  - REST
  - HTTP, HTTPS
  - Socket – TCP/IP
  - UMS
  - Coherence
  - Tibco Rendezvous

- **Mainframe Adapters**
  - CICS
  - IMS/DB, IMS/TM
  - VSAM
  - ADABAS
  - Tuxedo
  - C-ISAM, D-ISAM, K-SAM

- **Cloud Adapters**
  - Salesforce
  - Eloqua
  - Right Now
  - NetSuite
  - ERP Clouda

- **SaaS Application Adapters**
  - Concur
  - NetSuite
  - Oracle Commerce

- **And more ....**
OCTO SOA Server Architecture
OCTO SOA CURRENT INTEGRATION SERVICES

• APPLICATION INTEGRATION
  - APPLICATION ADAPTERS AND TECHNOLOGY ADAPTERS
    - SOAR and PASS
    - Peoplesoft
    - DCAS and Local-Hub

• DC LOCAL AND FEDERAL AGENCIES
  - 25 PLUS AGENCIES

• FILE TRANSFER SERVICE
  - 60 PLUS INTERFACES

• WEB-SERVICES
  - 70 PLUS

• MOBILE INTEGRATION
  - DHS

• ENTITLEMENT SERVICE
  - THREE AGENCIES USING 7 HCM DATA SETS.
  - EXTERNALIZED ACCESS CONTROL
    - DATA MASKING
    - AUTHORIZATION & AUTHENTICATION

• IDENTITY SERVICE
  - SINGLE SIGN ON – SAML
  - IDENTITY VERIFICATION

• MAINFRAME INTEGRATION
  - REAL-TIME AND BATCH

• CLOUD INTEGRATION
  - SALESFORCE
OCTO File Transfer Service

Features:
- Highly Configurable
- One to One
- One to Many
- Encryption
- Notification
- Compression
- Alerts
- No development required
- Secure communication

Customers and Trading Partners:
- External Systems
- Federal Agencies
- Local Agencies
- Internal Applications

File(s)

Source Configuration
Target(s) Configuration
Source To Target(s) Configuration
ANY QUESTIONS?

**CONTACT INFORMATION:**

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DATA REPORT – SINCE 11/15/2017

NEW
• Planimetrics 2017
• P-card
• Purchase Orders
• School Test Score - 2016-17

UPDATED
• Notary Public
• Nursing Home
• Main Street
• Museum
• Public School
• Recreation Area
• Senior Service Network Location
• Ward
• Census Tract - 2010
• Census Tract - 1930 - 1980

• Charter School
• DC Circulator Stop
• District Property
• Farmers Market
• FOIA request
• Grocery Store
• Homeless Shelter
• Homeless Service
• Library
• Liquor License
SCHEDULED

DATABASE ON FRIDAY 1/19/2018
- DPW Tonnage Recycling/Trash
- DMPED Project Location
- HUB Zone
- Liquor License
- Transportation Analysis Zone

OPENDATA ON MONDAY 1/22/2018

Open Data DC
Connecting You with Government Data

Find District Data...
REQUESTS FROM OPEN DATA DC

Haven’t Found

• 911 Call Response Times
• Vacant Lands by Religious Orgs
• CCTV Camera URLs
• Crime Incidents – better definitions of OFFENSE
• Incomplete Purchase Orders 2017
• Licensed Physicians
• *Real-time Speed Detectors
• *Impervious Surface in Lots

On Open Data

• Gun Crimes
  METHOD = GUN
• Public Safety Survey - 2017, Valid?
  Fwd to Analyst at DMPSJ
• DC Gov Real Estate
  OWNERNAME = DISTRICT OF...
• Ward Demographics for 2012 long vs short form. Included ACS
• School Boundary

Since 11/15/2017
OPEN DISCUSSION 😊