Data Quality 2 (DQ2)

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FLORIDA DEPARTMENT OF EDUCATION
fldoe.org

Agenda

- Introduction
  - What is DQ2
  - What's been happening
  - How it works
  - Future
- DQ2 Overview
- Next Steps/Action Items (DQ2 Pilot, STAFF Production Rollout)

What is DQ2?

The DQ2 solution is a new State Reporting processing tool that allows school districts to electronically submit survey data to the Florida Department of Education. The DQ2 system gives the districts the ability to submit their data in sandbox area for testing prior to the survey window being open. DQ2 is now the official State reporting tool for all WDIS & Staff surveys.

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DQ2 Components

- The DQ2 System is comprised of two sections
  - Survey Pre-flight System (Sand Box)
  - Survey Production System

- Pre-flight
  - Allows school districts to submit survey data, view dashboards, and run on-demand / ad hoc reports
  - Allows districts to view where their data currently stands in order to correct any errors prior to the official survey window.

- Production
  - The DQ2 production solution allows school districts to submit survey data, during the official survey window.
  - View Dashboards, Run on-demand / ad hoc reports
  - Search / Look up Screens

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How DQ2 Works?

Districts
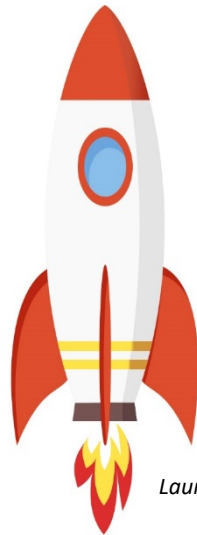
Files

DQ2
Processing
System

DQ2 System
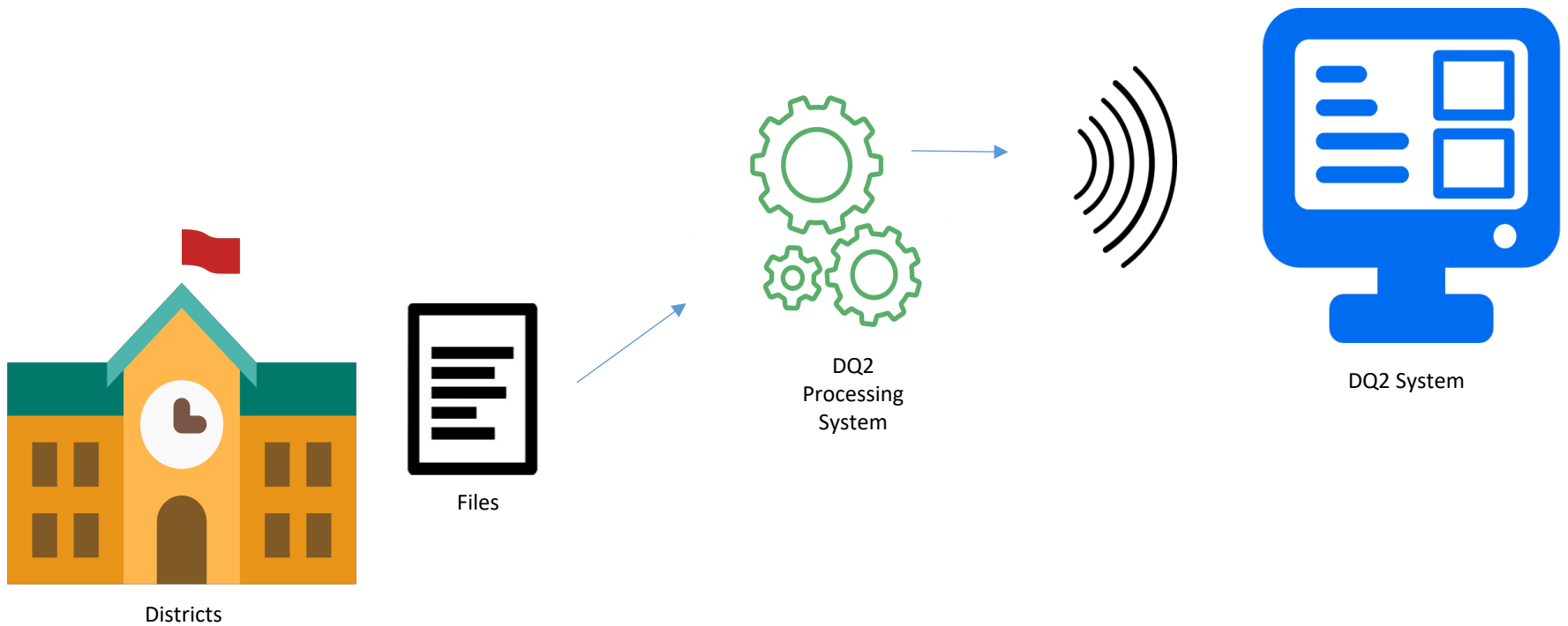
How DQ2 works?

- Districts provide file uploads via TIBCO (secure FTP)
- Files uploaded to DQ2-In folder
- Files presented back in DQ2-Out folder
- SSO (Single Sign-On) authorization for DQ2 provides UI access
- UI provides visibility and error checking/reporting for rejects, validation and exceptions and "D" File generation

DQ2 – What's Happened In The Last Year

Launched

- On August 27, 2018, DQ2 became the official data collection tool for Workforce Development Information System (WDIS).

Launch Date 8/27/2018

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DQ2 – What's Happened In The Last Year

Successfully opened the 1st DQ2 WDIS survey on August 27, 2018 for Surveys F and G which completed October 18, 2018:

- All 56 reporting WDIS districts successfully submitted files
- 1,560 files were processed with a total of 1,156,784 records

Successfully opened the 2nd DQ2 WDIS survey on January 7, 2019 for Surveys W and X which completed February 28, 2019:

- All 56 reporting WDIS districts successfully submitted files
- 1,823 files were processed with a total of 1,651,029 records

DQ2 What's Happening Now

- Pre-Flight:
  - All 18/19 K-12 Surveys are available for preflight except for Survey 9
  - All 18/19 WDIS Surveys are available for preflight
  - By end of the summer K12 survey's 1,6,8 and all WDIS Surveys for 19/20 will be made available for pre-flight processing

- Production
  - WIDS surveys for Production
    - Survey S will open on June 3rd
    - Survey's F, G will open in August
  - K-12 Staff Survey 8 will open July 22nd

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Future

- Where are we headed with DQ2

- The Staff Survey Process is coming
  off the Mainframe and going to DQ2
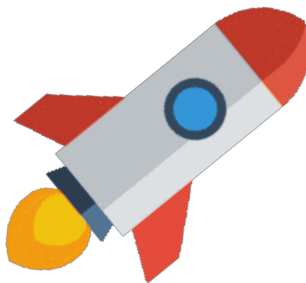
DQ2

WIDIS, K12 Pre-flight

K12-Staff

Mainframe

STAFF Survey Process Is Going Live!

- Beginning with school year 19/20 (Survey 8) Districts will no longer use the mainframe to submit STAFF survey files, instead they will be submitted in the DQ2 production site.
- All STAFF survey submissions, reports for request, O-files, single record data lookups, etc. will be done in the new DQ2 system.
- The DQ2 preflight area and DQ2 production area are in the same system
- DQ2 Production will have informative dashboards, enhanced reports, and student level drill downs.

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STAFF Production

- NWRDC is still the official means of data submission to the state for 18/19.
  - 19/20 STAFF survey reporting will be 100% in the DQ2 System
  - 19/20 STUDENT survey reporting will remain 100% in NWRDC; however DQ2 preflight should still be utilized
- Districts are not required to but are encouraged to preflight their data prior to submitting them in DQ2 production.
- Using DQ2 preflight system now will allow you the opportunity to ask questions and/or make suggestions for future DQ2 production rollouts.

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Getting Started

1. Setup **TIBCO(Secure FTP)** Credentials

   For upload and download of files

   New Folder Structure

   File Name/ Formatting

2. Setup of **SSO Account** & **DQ2** Authorizations

   For access to the SSO/DQ2 Portal and resources

   Roles

3. Contact Vendor to make sure you're district is set up to submit **Staff** survey formats to the **DQ2** system.

DQ2 SSO Roles & Descriptions

Role Name	All /Internal FDOE/ External District	Description
User	All	The User role is required for all users to access DQ2 User Interface (UI)
DOE	Internal FDOE	DOE users can access Admin reports and view clean survey data for Student, Staff and WDIS districts
Admin	Internal FDOE	Admin users can access all districts and schools survey data for Student, Staff and WDIS
K12	External District	The K12 role must be assigned along with both the Student and Staff role
Student	External District	Student users can access Student survey data for their district in Preflight
Staff	External District	Staff users can access Staff survey data for their district in both Preflight and Production
WDIS	External District	WDIS users can access WDIS survey data for their district in both Preflight and Production
Deletefile	External District	Delete users can delete survey data/ reports in both Preflight and Production
Schooluser	External District	School users can view survey data for their assigned school
Labschool	External District	Lab School users can view, download and upload survey data for their district

TIBCO Folder Structure

Now
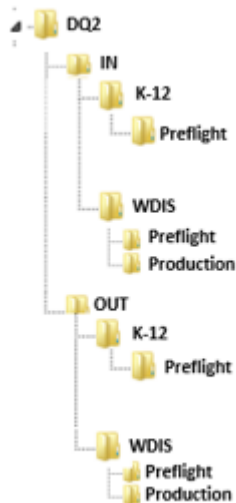
Future
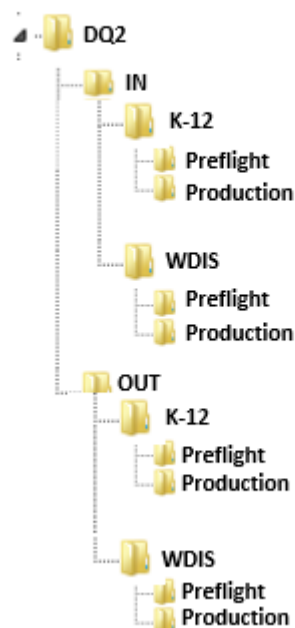
DQ2 Preflight Features

- Test your data before the survey window opens
- Near real time file processing
- Delete file functionality.
- Automatically generated Batch Records in Error batch report placed in the TIBCO out folder when a survey file is successfully loaded and has reject errors.

DQ2 System – Production

The DQ2 UI will present a **GateWay** screen allowing users to go into the preflight area or the production area.

The **preflight area** allows districts to clean and verify survey data prior to loading to the production area. It will look and feel like the current 1819 preflight system. The FDOE will not use this data.

The **production area** will look and feel similar to the preflight area; however production will have informative dashboards, enhanced reports, student level drill downs, etc. This data will be used by the FDOE.

GateWay

The Data Quality II (DQ2) system is divided into two sections, Preflight and Production. The Preflight system is used to review survey data and to work out any potential issues prior to official survey submission. Data residing in the Preflight system will not be used by FLDOE for any reporting. The Production system is the official survey processing system for Workforce Development Information System (WDIS) and is only accessible during an open survey window. FLDOE will use only your production data for official business and reporting.

Please select preflight or production

⊙
DQ2 Preflight

⚙
DQ2 Staff Production

⚙
DQ2 WDIS Production

DQ2 System – Production Features

- Updated user friendly technology in a web based environment that can be enhanced as needed
- Removes most time constraints for file and report processing, not bound to a daily processing schedule
- Provides near real time access within the system for viewing reject files, validation/exception files, drill downs into student level data on multiple formats, and results can be extracted into Excel
- Provides near real time reports and results can be extracted to Excel
- Enhanced On Demand Reports:
  - User friendly, Edit Status Report
  - New Survey Data Report to show you record counts in each format for each survey

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DQ2 – Production Features

- Staff Data search screens
- **Email notifications are sent when files and reports have been processed**
- Validation and Exception reports with date and time stamp will be dropped in the district's TIBCO DQ2\OUT FOLDER (preflight or production) after they have been processed in the UI
- All DQ2 UI data report grids will be ordered by school, at the highest level, to make it easier to distribute reports to district schools
- Files will only be deleted by users who have the DELETE role

DQ2 –PRODUCTION AREA UI

Access the **Production Area** in the UI via the **GateWay**:

DQ2 UI Dashboard

Data quality and performance level graphs of high level data by survey that is relevant to districts and the department
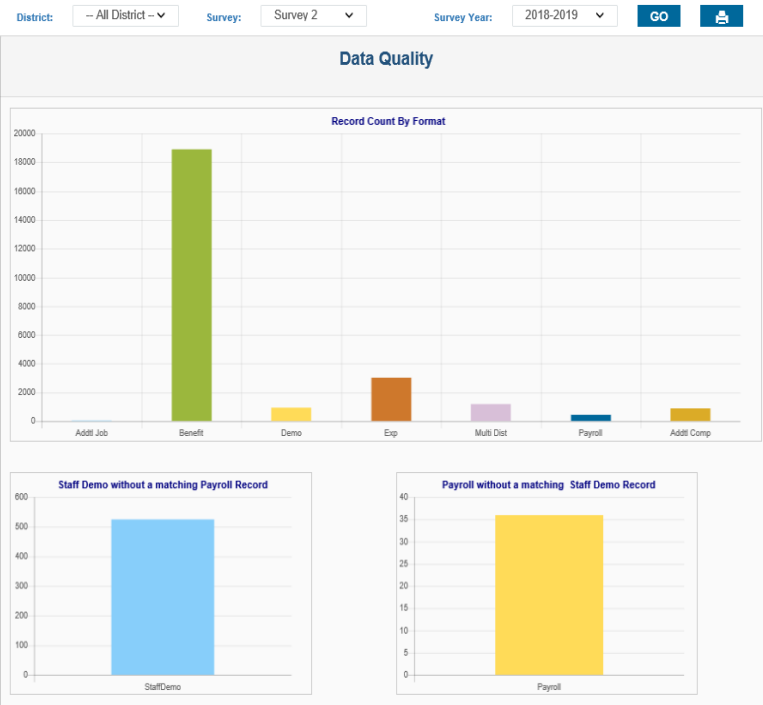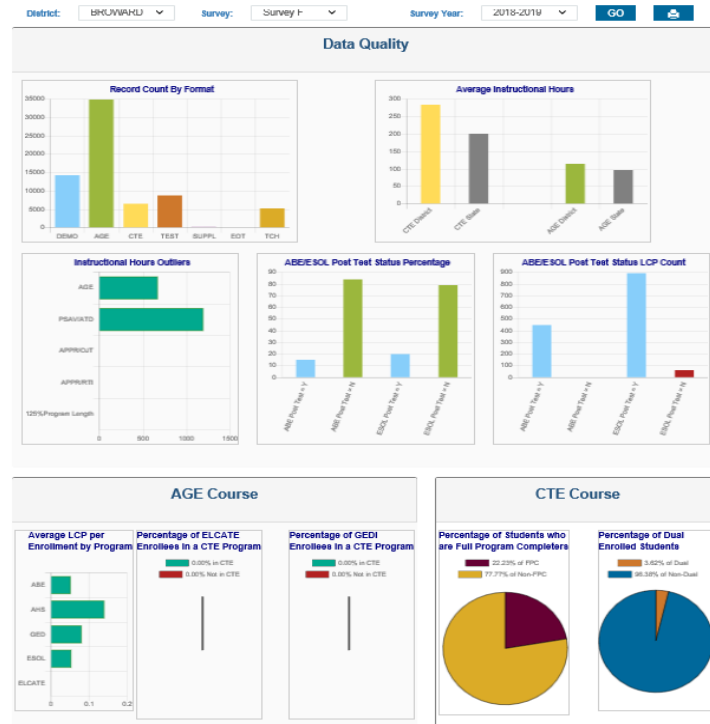
Next Step

- Setup SSO Account & DQ2 Authorizations
- Setup TIBCO(Secure FTP) Credentials
- Submit STAFF Files for Testing
- Review Results, Recommendations
- Staff Production rollout – Survey 8 – July 22, 2019

UI News

Questions?

For questions regarding SSO/TIBCO, forward to SSO Team at **IENHELP@fldoe.org**.

For questions regarding Staff, Student Survey elements, edits, or formats forward to EIS Team at **ASKEIAS@fldoe.org**.

For questions regarding WDIS Survey elements, edits, or formats, forward to Leanne Ames at **Leanne.Ames@fldoe.org**.

For questions about file uploads or DQ2 Application forward to DQ2 Team at **DQ2project@fldoe.org**.

DEMOSTRATION

If Time Permits…….

www.FLDOE.org