

Utah's Water Quality Exchange

Salt Lake Countywide Watershed
Symposium

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DWQ Database

- EPA ceased support of STORET database in Fall 2009
- DWQ required to populate WQX
- Share data and management tools with outside cooperators
- Move from desktop program to web client

Ambient Water Quality Management System (AWQMS)

- Migrated data
- Delivered database solution in late 2009
- Created test environment
- Under development since 2010 as part of Exchange Network Grant



goldsystems

INNOVATION THROUGH TECHNOLOGY

Expanding on WQX Web



CDX Web

- Online Registration
- Log In

WQX Web

- Import Flat File
- Apply Defaults & Translations
- Validate & Correct
- Export XML

Node Client

- Submit
- Get Status
- Download

CDX Node

WQX

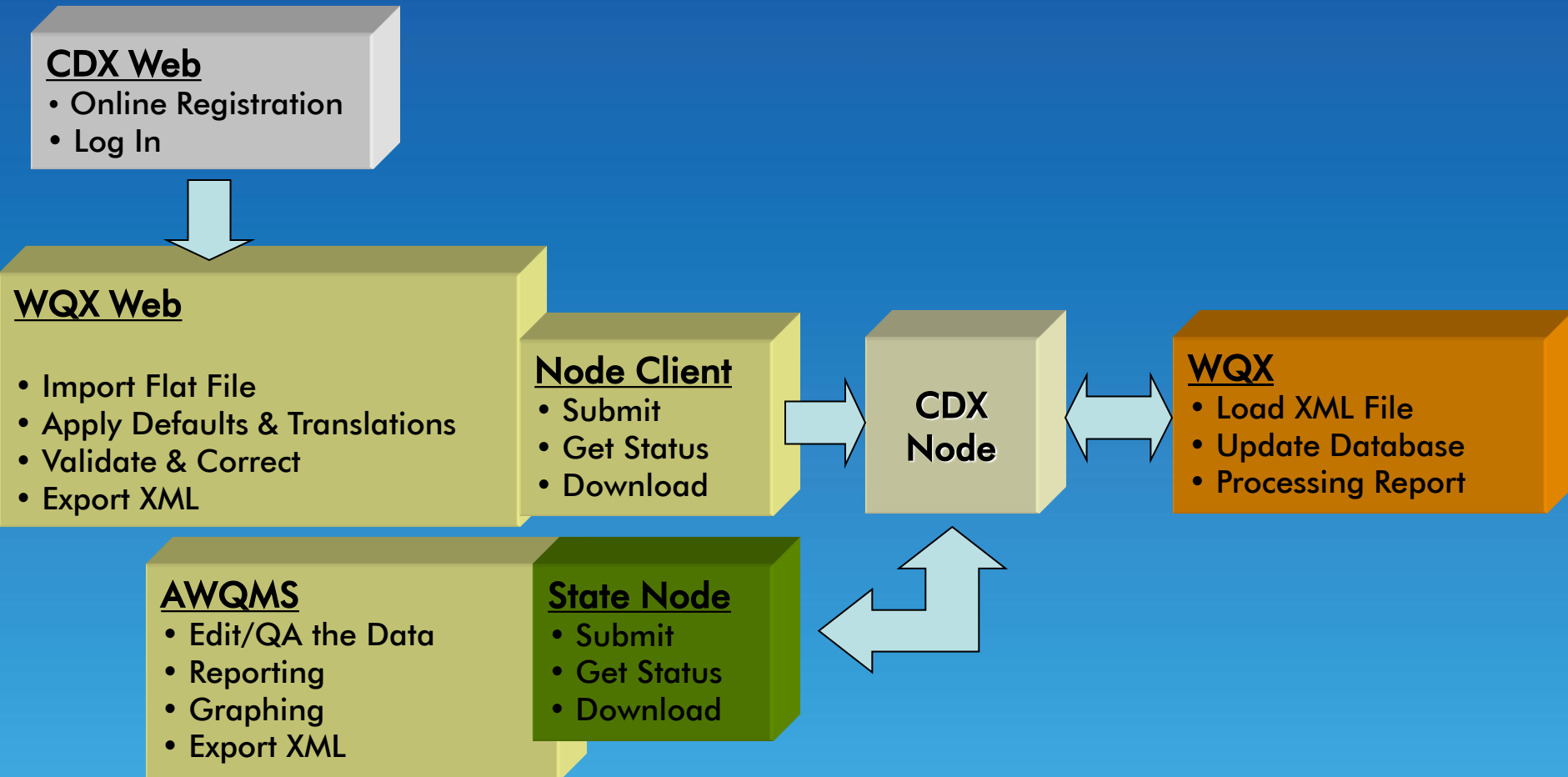
- Load XML File
- Update Database
- Processing Report

AWQMS

- Edit/QA the Data
- Reporting
- Graphing
- Export XML

State Node

- Submit
- Get Status
- Download



Utah WQX Components

- **Batch Import (WQX Web)**
- **Data Entry / Update Pages**
- **Graphs and Reports**
- **WQX Export**
- **Integrated Node Client**
- **Data Management and Validation Tools**

Benefits

- **Excel -> AWQMS -> WQX**
- **Real Time Data Analysis and Reporting**
- **Only Requires a Web Browser & Internet Connection**
- **Remote Access for Data Upload and Download**

Live Demonstration

- <https://awqms.utah.gov/Login.aspx>

Next Steps

- 2012- DWQ will apply for EN grant
- Build ATTAINs function to replace ADB
- Serve WQ Assessment to EPA and Public
- Better Documentation of Impairment and Listing Decisions
- Upgrade Data Management Tools