

Environmental Information



EN2017

SDWIS PRIME UPDATE

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Innovation and Partnership

May 16-18, 2017

Sheraton Philadelphia Society Hill Hotel
Philadelphia, Pennsylvania

<http://www.exchangenetwork.net/en2017>

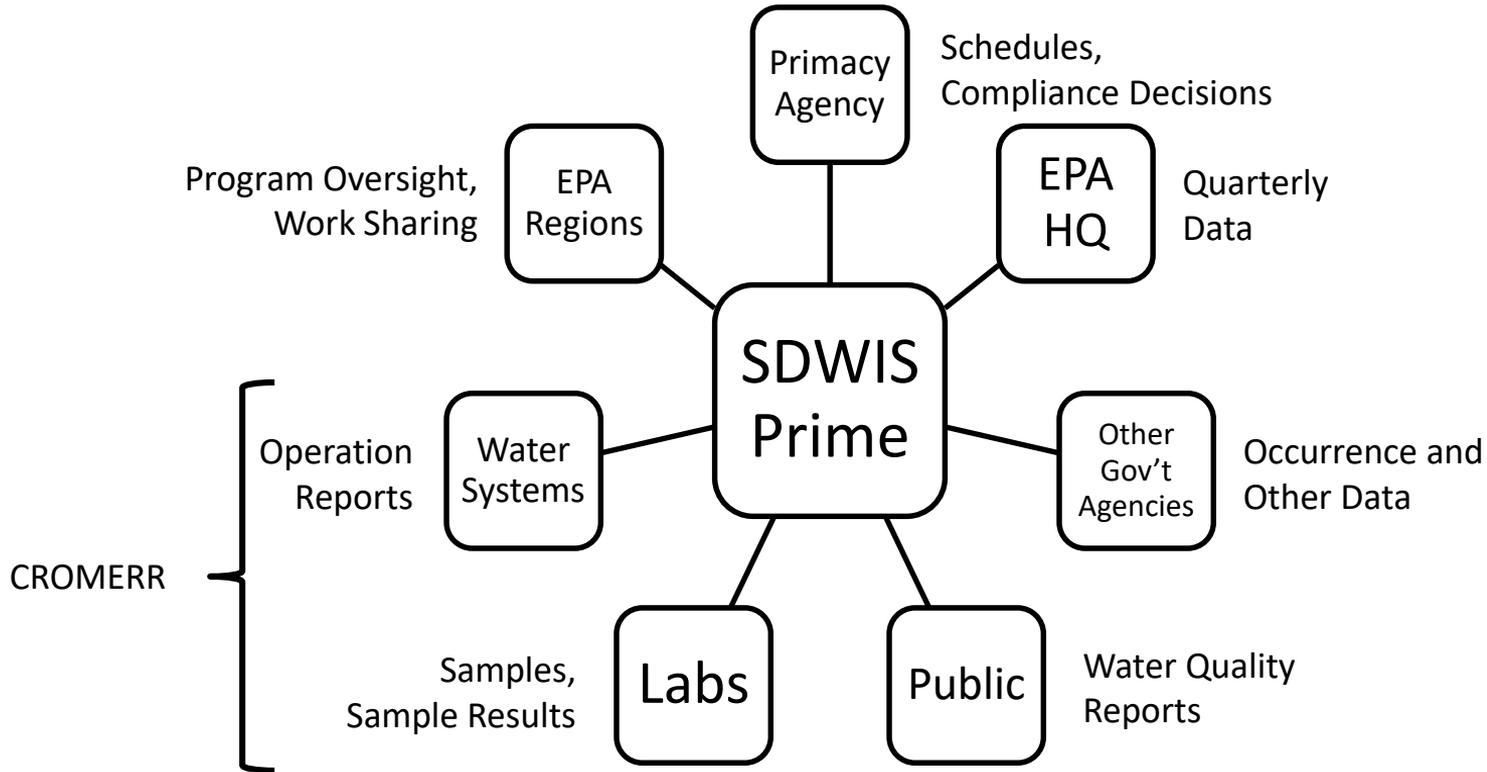
ABSTRACT

SDWIS Prime is a cloud-hosted system featuring a business rules engine (for complex compliance calculations) that states, territories and EPA Regions will use for managing their Public Water System Supervision programs. This presentation discusses development progress, concepts for reporting data to USEPA and use of shared services.

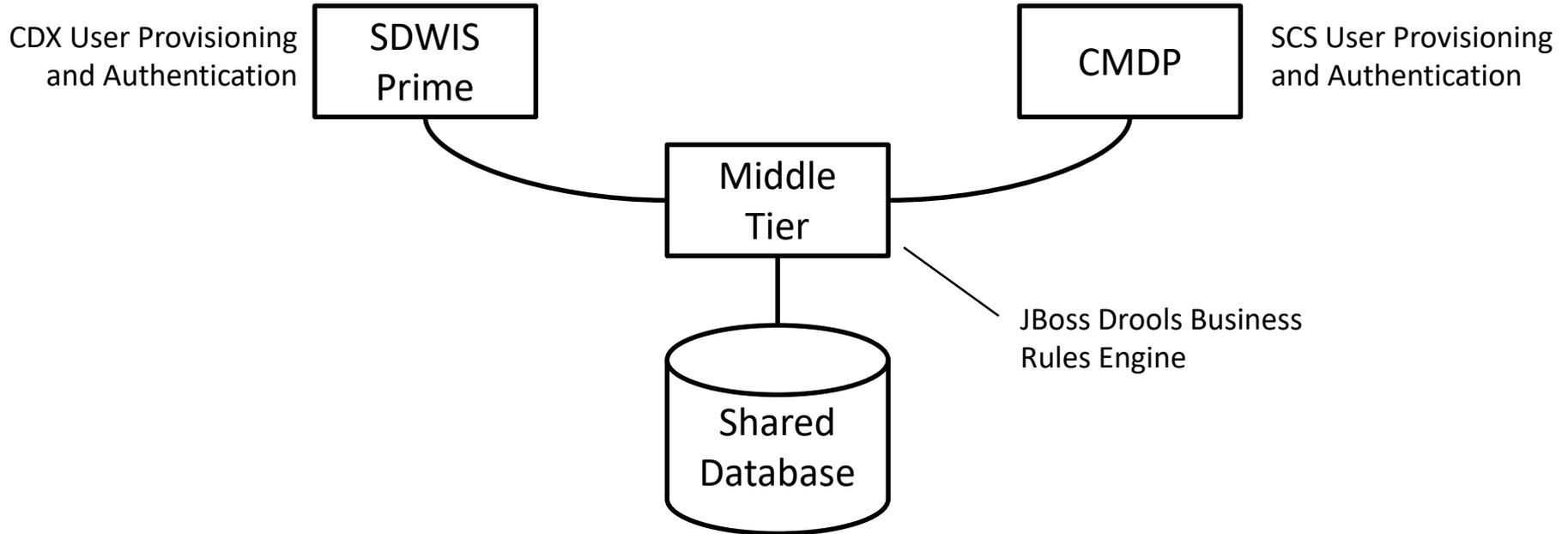
Agenda

- SDWIS Prime Overview
- Development Progress
- Modified Agile Development Approach
- Reporting to USEPA
- Issues with SDWIS Prime Centralization
- Using Shared Services

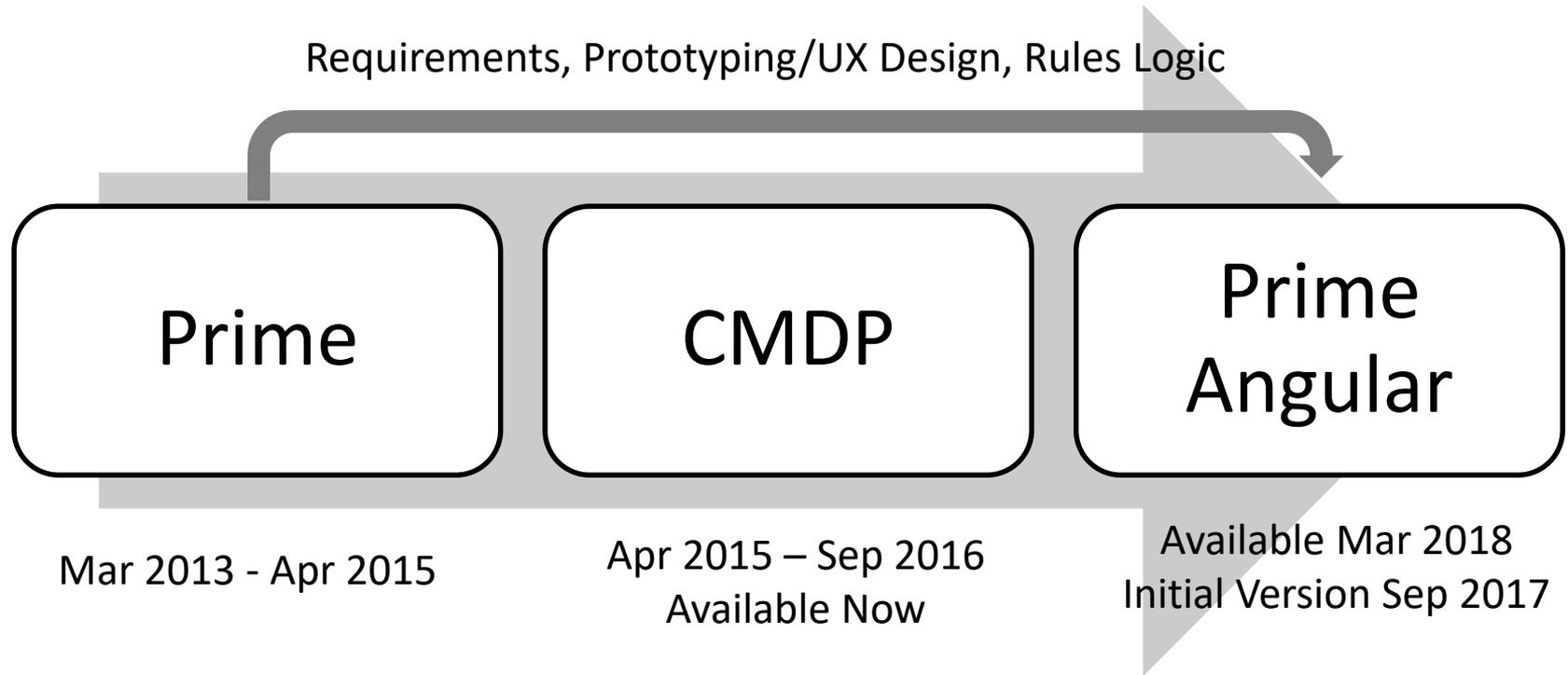
SDWIS Prime Overview



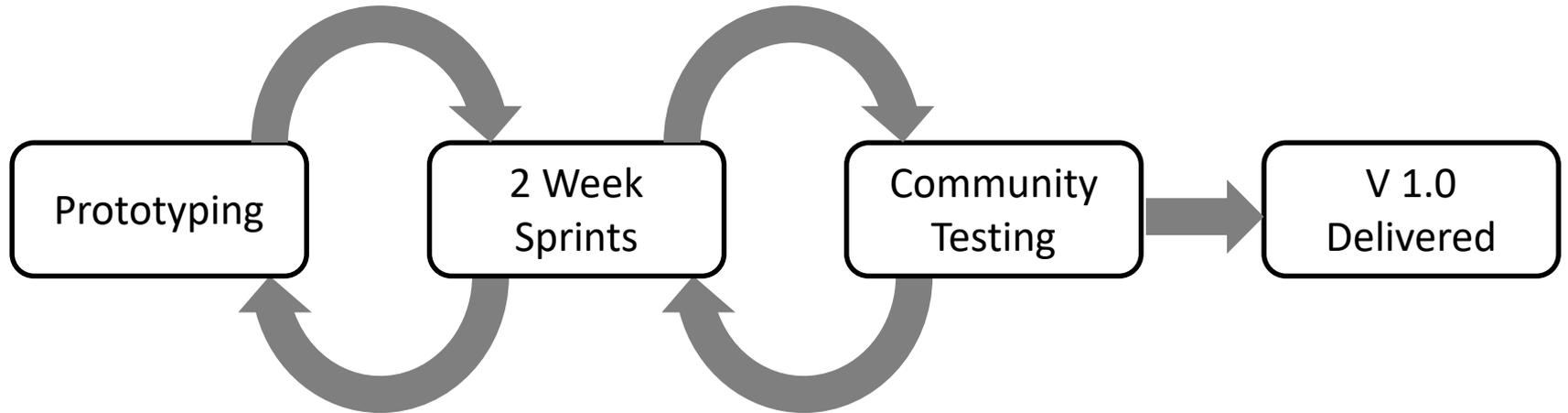
High Level SDWIS Prime Architecture



Prime Development Progress



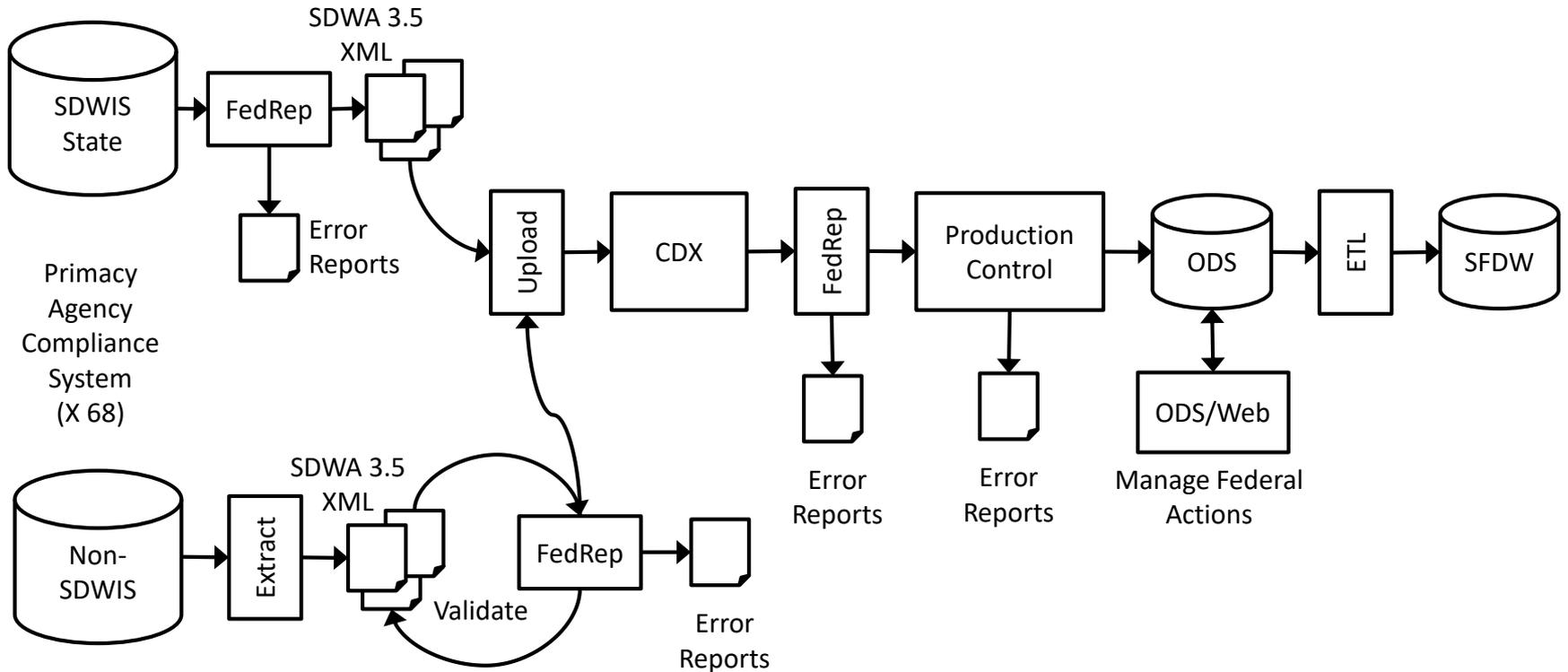
Agile Development Approach



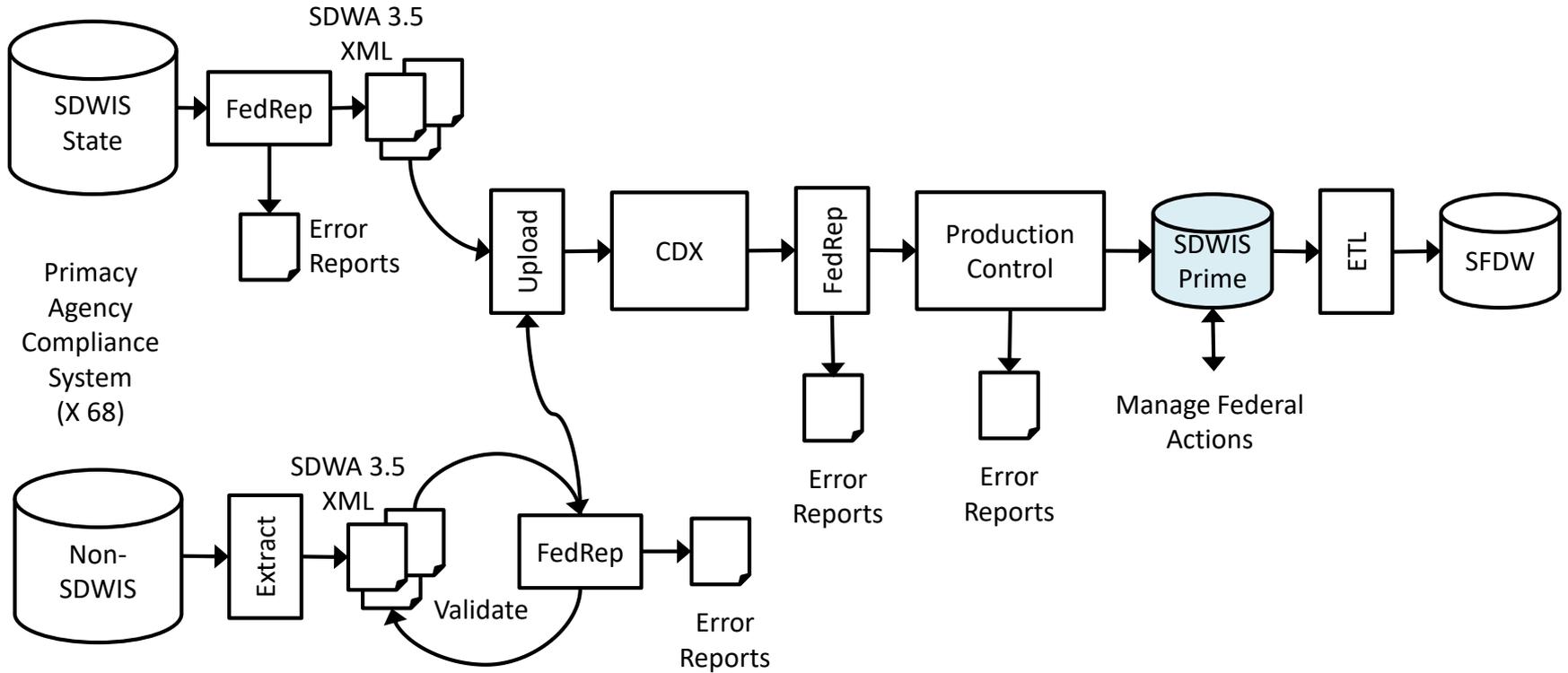
Reporting to USEPA

- Each quarter, primacy agencies report these data to USEPA:
 - Inventory (water system characteristics)
 - Enforcement actions and violations
 - Lead and Copper action level exceedance

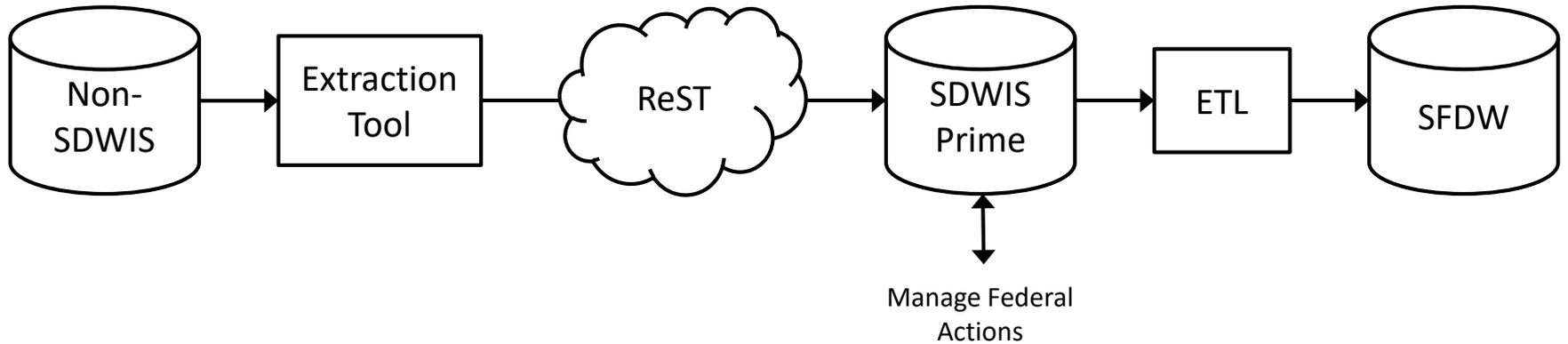
Reporting to USEPA: As-Is



Reporting to USEPA: Transitional



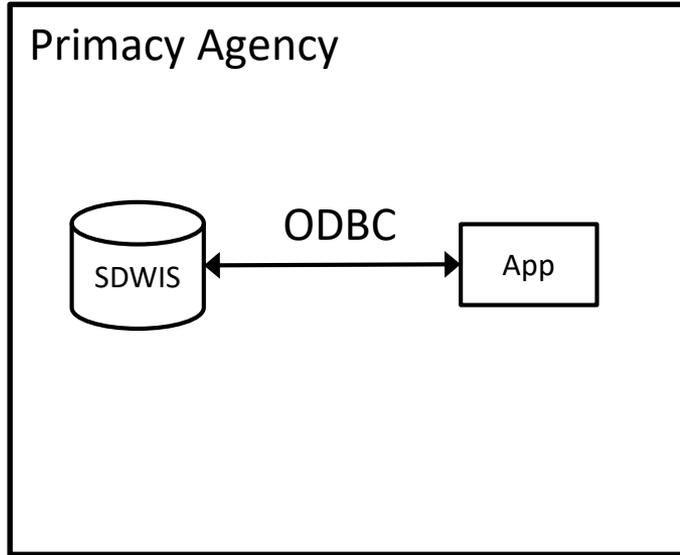
Reporting to USEPA: To-Be



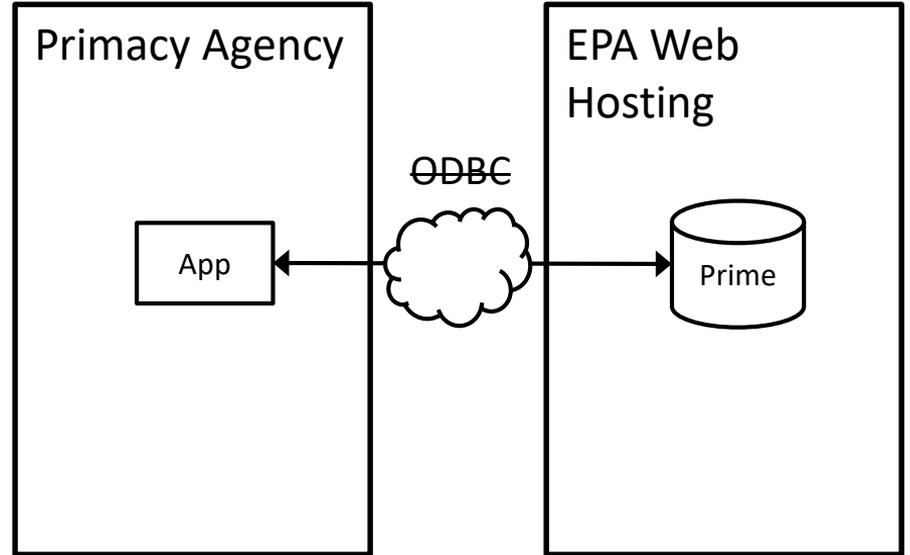
Issues with SDWIS Prime Centralization

- Exchanging data with other apps
- Reports & ad hoc queries
- System performance concerns

Interfacing Apps Issue

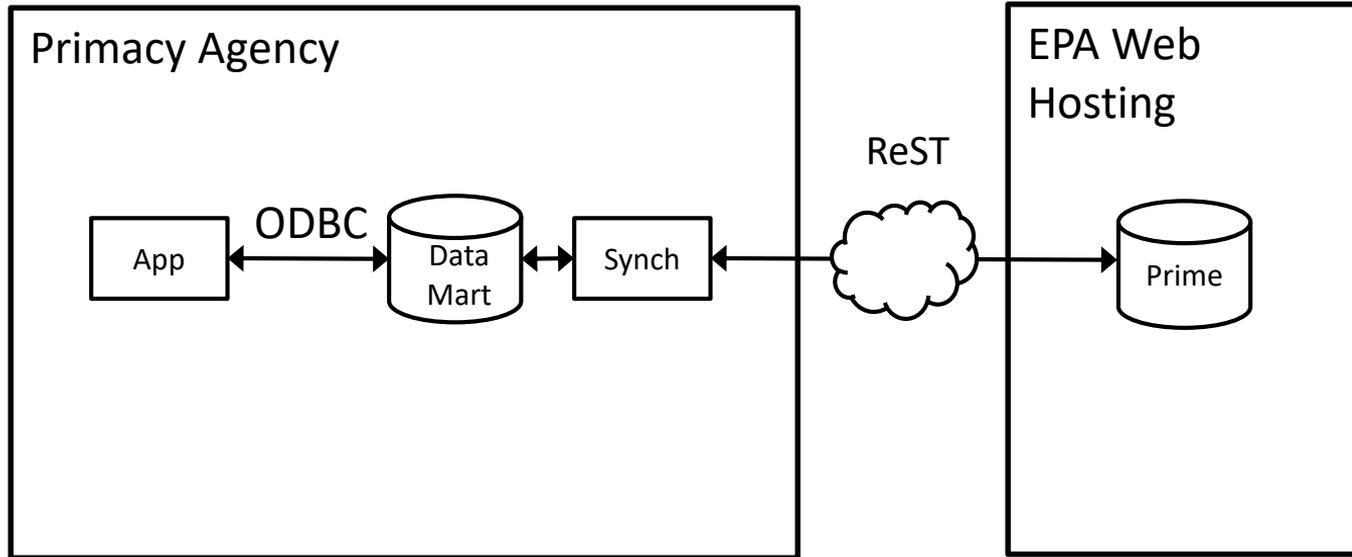


ODBC OK



ODBC Insecure

Interfacing Apps – Local Datamart



Using Shared Services

- SDWIS Prime
 - CDX for user provisioning and authentication
 - Role based access managed in SDWIS Prime
- CMDP
 - Shared CROMERR Services (SCS) for user provisioning, authentication, and certification of submissions
 - Role based access is managed in SCS
 - Beware of tight coupling with SCS!

Questions



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