



CWDS
Child Welfare Digital Services

Child Welfare Digital Services Sprint Review Presentation

***Sprint Review of Iteration 3.4
CALIS/TPT2/LDU***

Sprint Dates: 07/13/17 to 07/26/17

Agenda

- CALS product discussion
 - Value proposition
 - Product demonstration
 - User research and design
 - Sprint Statistics
- TPT2 product discussion
 - PI-3 goals and objectives overview
 - Sprint 3.4 deliverables overview
 - Business value overview
 - Sprint statistics review
- Business Q&A
- Next event
- Technical discussion
 - What makes all this possible, transition to technical discussion
- Important links

CALS value proposition, PI-3 “RFA Applications”

Child Welfare Goals	Impact of CALS	PI-3 Features to Deliver Value
Child Safety	Enforced and evaluated standards of quality to ensure all placement facilities are safe for children	Home and facility profiles that display compliance history at a glance
Child Welfare	RFA workers have an easier method of assisting applicants in creating good homes for children	Track the review process progress towards an approval or denial decision within 90 days
Workload Management	Less time fighting the tool and more time for social work	Completion and status-tracking of RFA applications
Data Quality	Reduction in the duplication of data entry across multiple data sources	Single point of entry for applicant information that is reused throughout RFA forms process

PRODUCT DEMONSTRATION

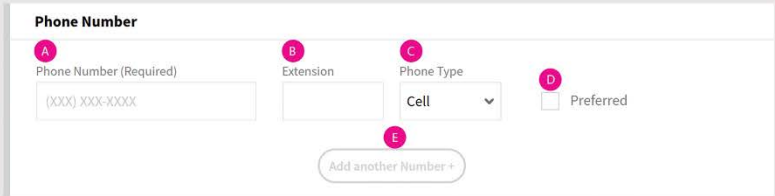
This is what we have all been waiting for...

- Add Applicant
- Bug Fixes

Phone Card

- Identified the stories
- Grouped information logically
- Entered validations
- Visualized instances
- High-level call outs

1



Phone Number

A Phone Number (Required) B Extension C Phone Type D Preferred

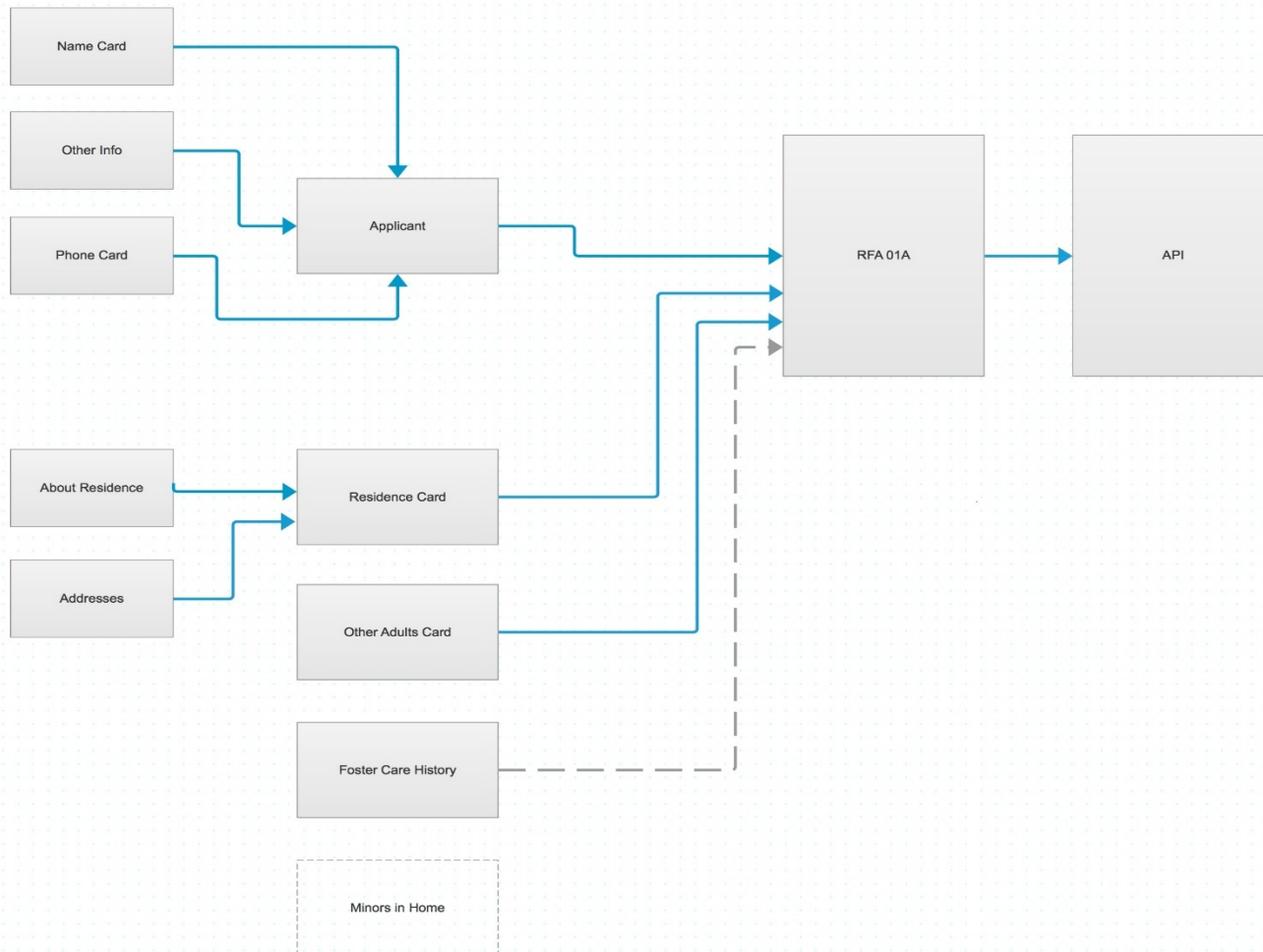
(xxx) xxx-xxxx Cell

E Add another Number +

Data Typing Behavior Flow (entering 888 888 8888 as example)

Normal Stage	Phone Number (Required) (xxx) xxx-xxxx	Typing Stage 1	Phone Number (Required) (8xx) xxx-xxxx
Focused Stage	Phone Number (Required) (xxx) xxx-xxxx	Typing Stage 2	Phone Number (Required) (88x) xxx-xxxx
		Typing Stage 3	Phone Number (Required) (888) xxx-xxxx
		Typing Stage 4	Phone Number (Required) (888) 8xx-xxxx

CALS Front End - Form Development



CALS – sprint metrics as of 7/26/17 at COB

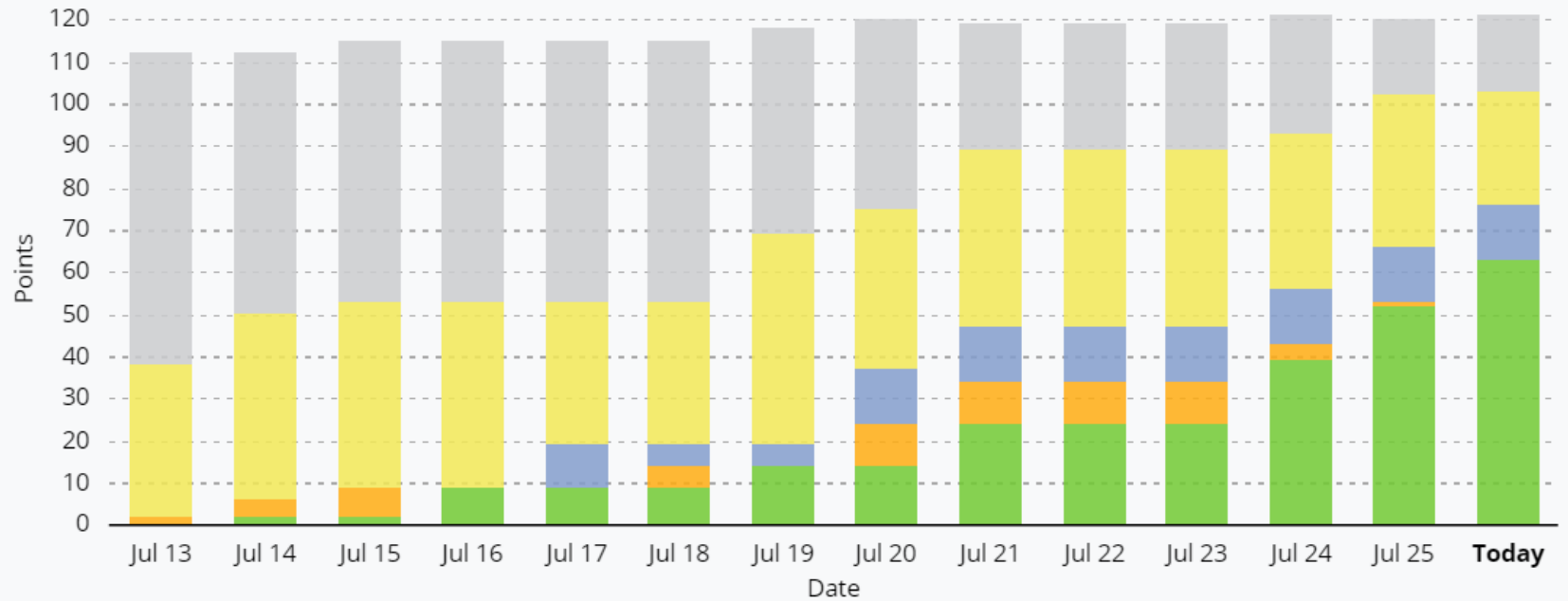
Sprint Metrics			
Iteration	3.4	3.3	3.2
Planned Capacity % / PTS	82% / 66	70% / 56	85% / 77
Accepted # of Planned Feature Stories / PTS	58 / 121	36 / 94	39 / 107
# of Completed Feature Stories / PTS	42 / 77	37 / 88	37 / 80
% Completed (by PTS)	64%	94%	75%
# of Stretch Backlog Features / PTS	1 / 2	14 / 32	0/0
% Completed (including Stretch, by PTS)	65%	122%	75%
Average Velocity over 3 sprints	80	68	71
Cycle time for Features (in hrs.)	78	49	128

CALS Burnup chart

Iteration Burnup

Point scope Story state flow

Accepted Rejected Delivered Finished Started Unstarted



TPT2 PI-3 Goals and Objectives Overview

- Primary Objective: Implement Search Capabilities for CALS Digital Service
- Secondary Objective: Enhance/Extend Platform Services

ID	Business Goals	Deliverables	Modules	Status
G.1	Enhance Facilities Search	Ability to search facilities across CWS/CMS, FAS, and LIS database including Facility Profile, Children, Inspections and Complaints.	Dora, Neutron, Perry	Complete
G.2	Provide RFA Application Search	Provide CALS Digital Service with search capabilities for RFA Application	Dora, Neutron, Perry	Complete (This Sprint)
G.3	Enhance "Dora"	Support Phonetic Search Capability in Elasticsearch	Dora	Complete (This Sprint)
G.4	Enhance "Perry"	Provide a modern approach to authentication and authorization to enhance security, scalability, and performance	Perry	In Progress
G.5	Database Administrative Support	Extend Data replication and other activities to support development	N/A	In Progress
G.6	Introduce Shared Platform Services	Research and suggest an enterprise document management service that can be leveraged across the technology platform. Initial POC to save RFA Applications.	NEW	In Progress
G.7	Introduce Shared Platform Service (Stretch Goal)	If time permits, research and suggest an enterprise workflow and rules engine that can be leveraged across the technology platform.	TBD	TBD

TPT2 PI-3 Sprint 3.4

BUSINESS VALUE SUMMARY

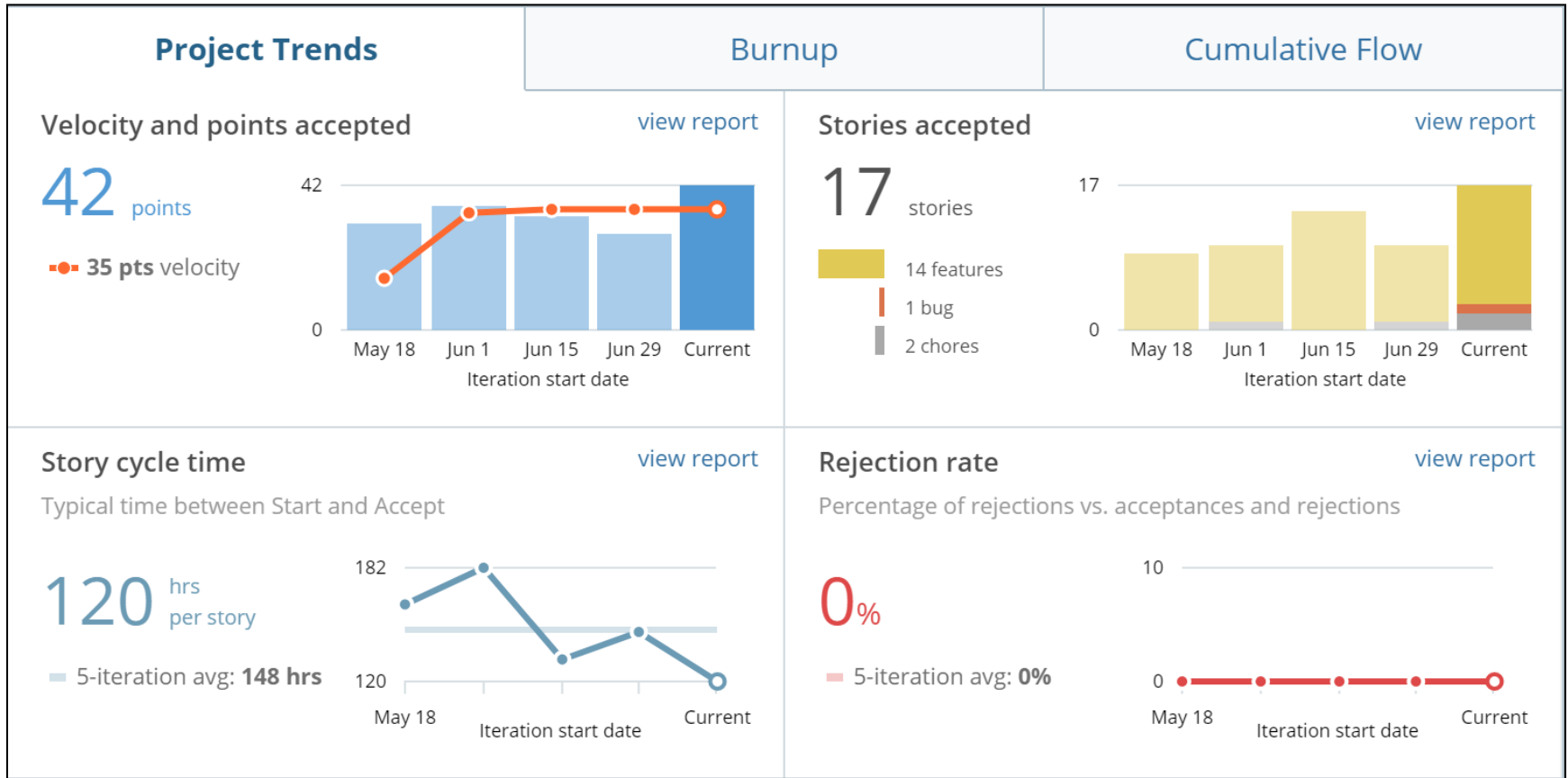
PI-3 Sprint 3.4 Deliverables Overview

ID	Deliverables	Value Proposition	Goal Alignment
G.1.1	RFA 1A Forms data available for Elasticsearch index (Neutron)	Provide CALS the ability to search RFA 1A Forms after submission	Provide RFA Application Search
G.3.1	“Sealed” and “Sensitive” data filtered from Elasticsearch results	Security measure to block “Sealed” and “Sensitive” data	Enhance “Dora”
G.3.2	Phonetic Search Capability in Elasticsearch	Support Phonetic Search Capability	Enhance “Dora”
G.4.1	additional security attributes included in JWT token	Provide a shared security module with enhanced attributes	Enhance “Perry”
G.5.1	Interrupt driven database administrative activities	Provide support for the building of the CWS/CMS Data environment replication and support development teams	Database Administrative Support
G.6.1	Analysis and writeup on Nuxeo (open source EDMS)	Enterprise document management system available across the technology platform	Introduce Shared Platform Services

TPT2 PI-3 Sprint 3.4

SPRINT STATISTICS REVIEW

TPT2 Team - Project Trend



PI-3 Sprint 3.4 Metrics

Sprint Metrics	
Capacity *	120%
Planned Backlog Story Points	32
Completed Backlog Story Points	32
% Completed	100%
Stretch Backlog Story Points	10
% Completed (including Stretch)	131%
Sprint Velocity (The actual completed + stretch)	42
Average Velocity over last 3 sprints	33
Rework Opportunities	0
Rework Resolutions	0
Defects Incurred	0
Defects Remaining	0

** Additional Development resource added during this sprint*

PI-3 Sprint 3.4 Stories Completed

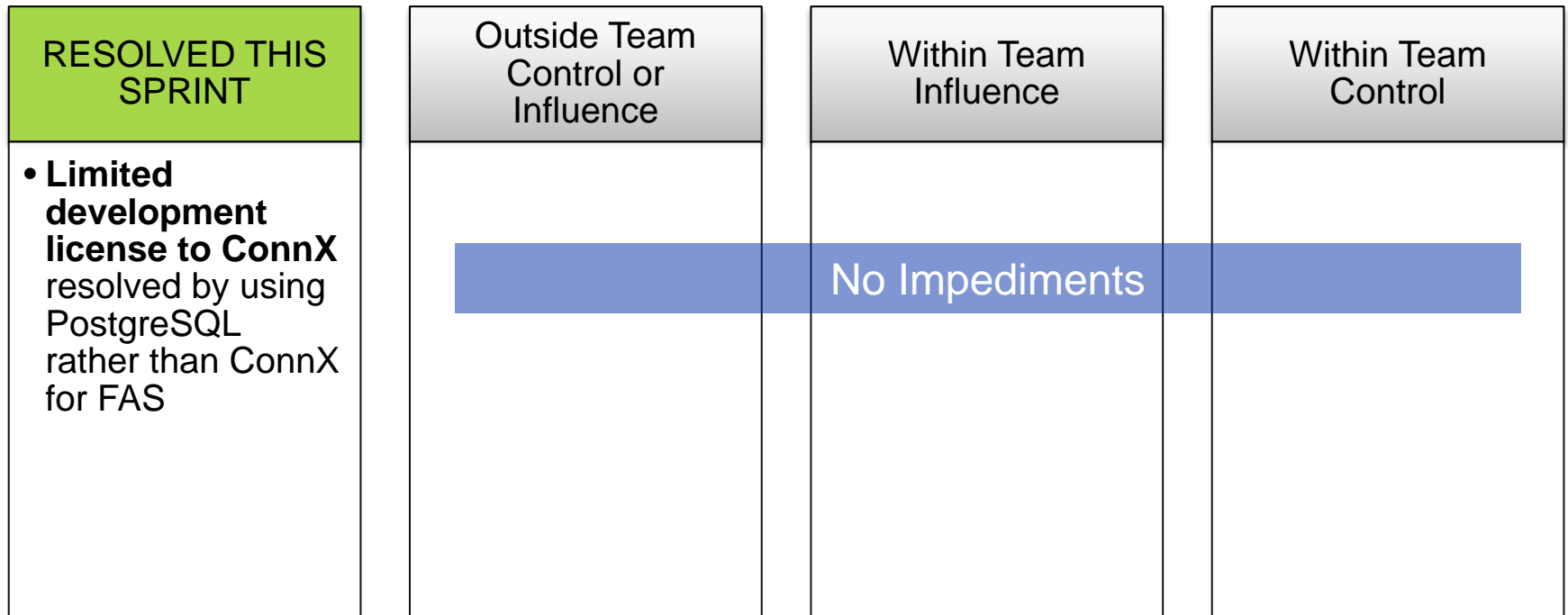
Story ID	Title	Type	Points
148791339	DB2: Package DDL for source and target table and MQT for IBM to review	chore	
149096271	DB2: Grant 'Select' to Replicated tables in Prod - Dave Smith (CWDSDSM)	chore	
148082635	Configure Dora to work with Perry on Pre-Int environment	chore	
149270953	**Stretch** Perry: Error page on second login	bug	
146268563	Incorporate Facility complaints information into Facility search index	feature	3
148917593	Refresh replicated tables in RS1 after NS0 to NS1 refresh	feature	1
148769789	DB2: Part 3 Modify old replication tables in CWSRSQ to correct the target type on REFERL_T and CLN_COLT	feature	2
148802439	Dora: Configure policies for XPack to filter sealed and sensitive information	feature	2
148619913	STRETCH: Neutron: Improve to work with secured Elasticsearch	feature	3
148943735	STRETCH: Test data for RFA1a Forms in the PostgreSQL container of CALS Data Model	feature	1
149103955	DB2 Database Admin Activities	feature	5
147723481	Neutron: Implement Neutron job to create RFA 1A,B,C Form search index	feature	5
148356493	Perry: Remove api-core dependency	feature	5
148854191	STRETCH: Neutron: merge master branch into the branch with CALS Jobs	feature	1
149010403	BMC Log Master: Run the reports for ZippyReferral test for TPT1 team (Adarsh and Jim)	feature	1
147481339	Dora: Support phonetic searches	feature	5
149169713	STRETCH: DMS: research Nuxeo as an option for Document Management System-	feature	5
148792335	Perry: Add additional security attributes to Authorization object	feature	3
Total Points for this Sprint:			42

PI-3 Sprint 3.4 Stories NOT Completed

Story #	Story Summary Description	Points
148082635	Configure Dora to work with Perry on Pre-Int environment	chore

** Could not configure Dora to Pre-Int due to cross team dependencies*

Impediments



Where we are headed next sprint...

- Features
 - Document Management POC
 - Clean up work for Dora, Neutron, and Perry
 - DB2 Database Administrative Support and Replication



CWDS
Child Welfare Digital Services

What made all this possible?

Technical discussion begins here

CALS Front End

- Applicant Card
 - Save applicant names
 - Save applicant other info
 - Save Applicant phone numbers
- Residence Card
 - Save residence data
- Other Adults Card
 - Connect to API
 - Save other adults data
- Foster Care History Card
 - Get License Type dictionary
 - User interface development (in progress)
- Minors in Home Card
 - User interface development (in progress)

CALS API: What was done in 3.4?

Creation of Facility in CWS/CMS

- ❑ REST API for RFA 1 submission
- ❑ Dictionaries updated to provide mapping between RFA and CWS/CMS

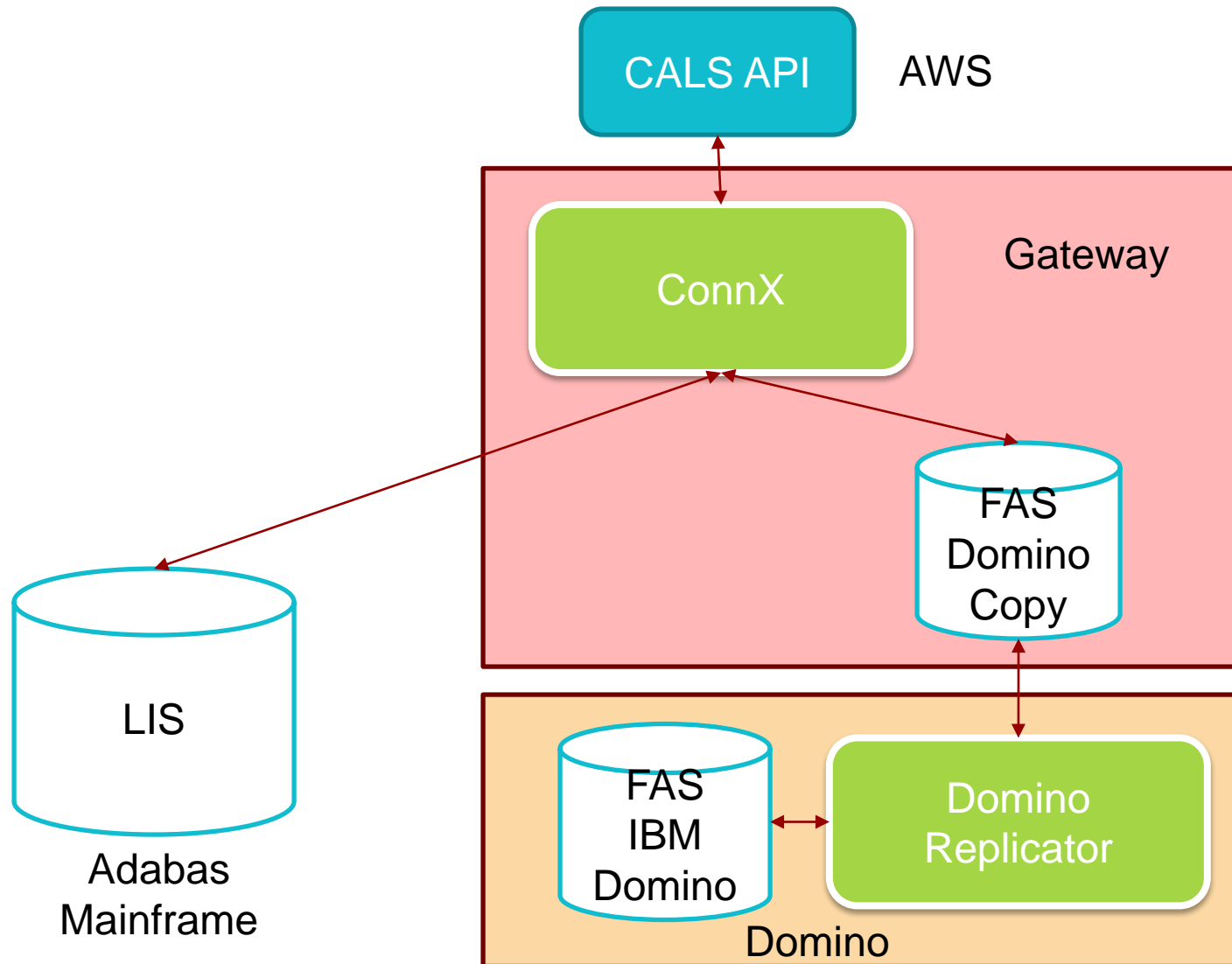
RFA API improvements

- ❑ Prefix and Suffix added to people names
- ❑ Applicants name validation

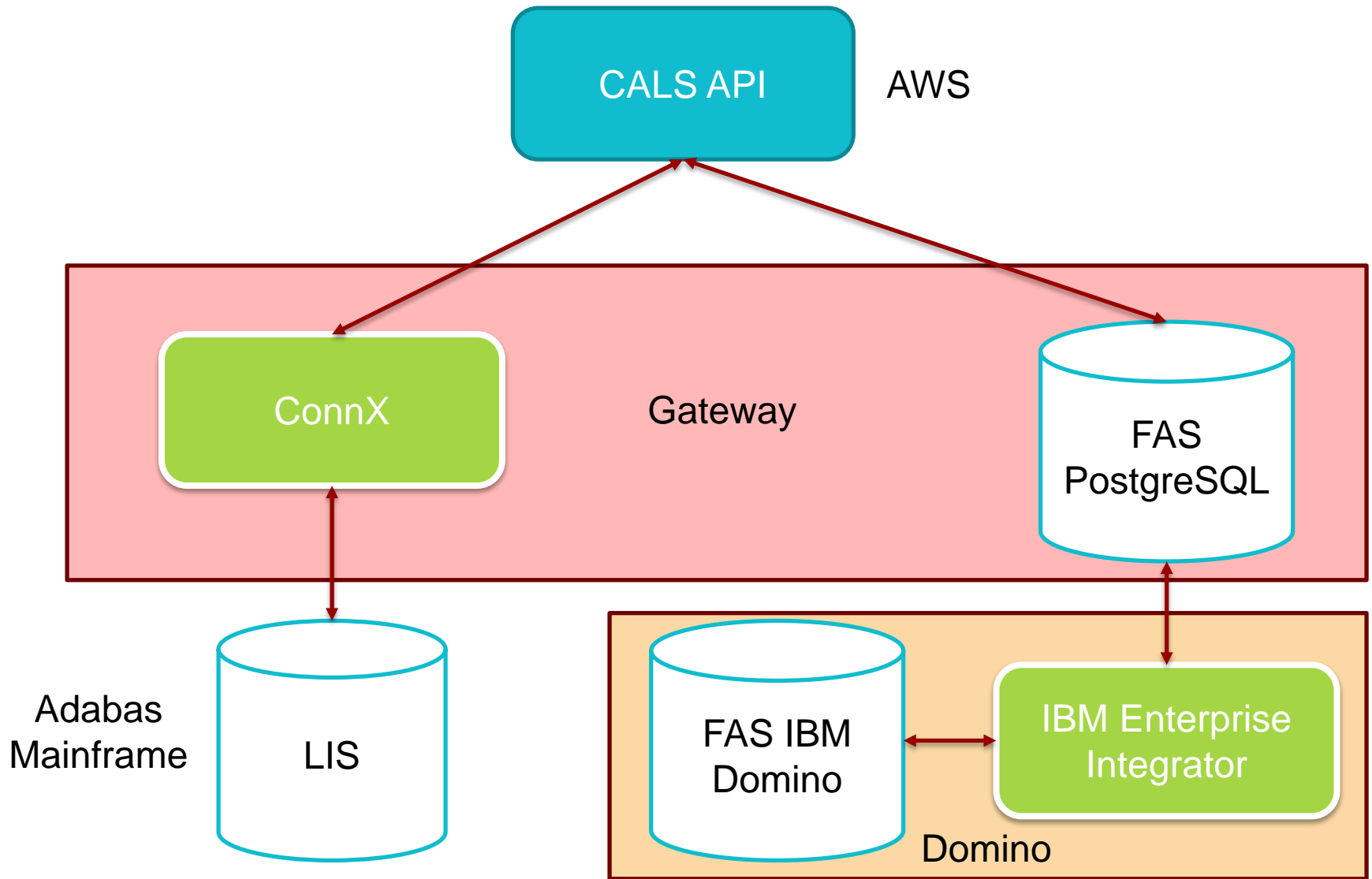
Legacy integration

- ❑ Added support of LIS ConnX data source
- ❑ Added support of FAS PostgreSQL replica data source from FAS Lotus Notes

Before the change



After the change



Geo Services API: What was done in 3.4?

- Address auto completion API



CALS API Demo



LOGIN

application	Show/Hide List Operations Expand Operations
dictionaries	Show/Hide List Operations Expand Operations
facilities	Show/Hide List Operations Expand Operations
rfa	Show/Hide List Operations Expand Operations
GET /rfa-1a-forms	Returns all available RFA 1a Forms
POST /rfa-1a-forms	Creates and returns RFA 1a Form
GET /rfa-1a-forms/{applicationId}	Returns RFA 1a Form by Id
GET /rfa-1a-forms/{applicationId}/applicants	Returns RFA 1a Form's Applicants by Form Id
POST /rfa-1a-forms/{applicationId}/applicants	Creates and returns RFA 1a Applicant
GET /rfa-1a-forms/{applicationId}/applicants-relationship	Returns RFA-1a Form Applicants Relationship
PUT /rfa-1a-forms/{applicationId}/applicants-relationship	Updates Applicants Relationship in RFA 1a Form
DELETE /rfa-1a-forms/{applicationId}/applicants/{applicantId}	Delete RFA 1a Form's Applicant by Id
GET /rfa-1a-forms/{applicationId}/applicants/{applicantId}	Returns RFA 1a Form's Applicant by Id
PUT /rfa-1a-forms/{applicationId}/applicants/{applicantId}	Update and returns RFA 1a Applicant

<https://cals-api.dev.cwds.io/swagger>



Geo Services API Demo



LOGIN

address

Show/Hide | List Operations | Expand Operations

GET	/address/lookup/{zipCode}	Lookup City and State by Zip Code
GET	/address/suggest/{prefix}	Autocomplete Address by prefix
POST	/address/validate	Validate Single Address

application

Show/Hide | List Operations | Expand Operations

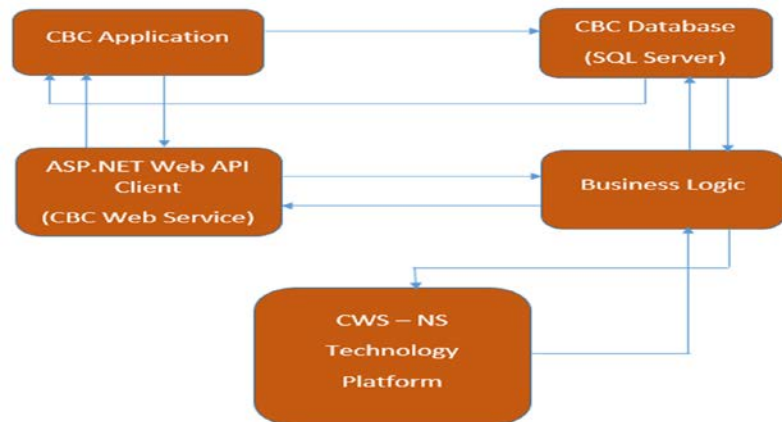
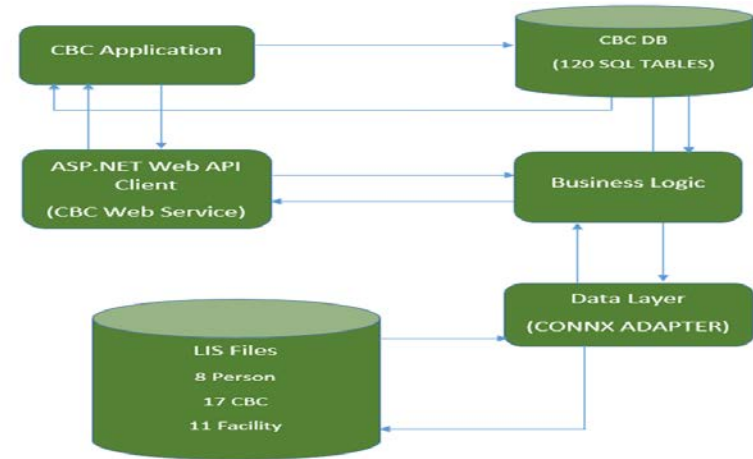
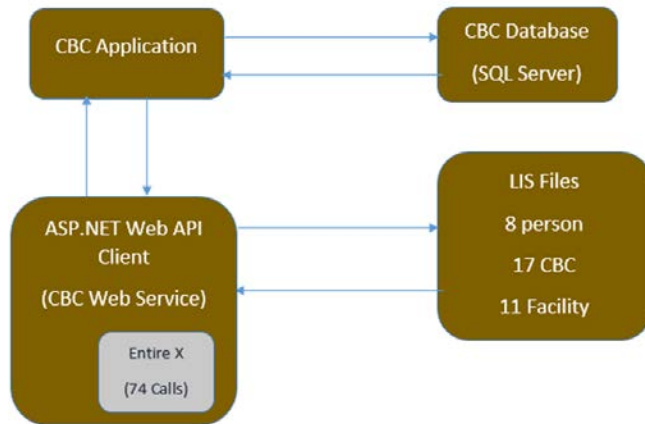
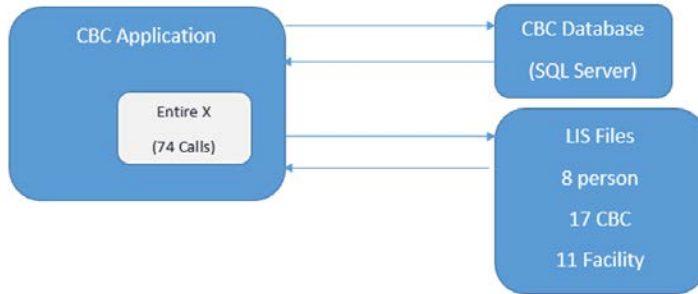
LDU – Licensing Development Unit

- Business Rule Extraction (BRE)
 - Completed Information Exchange for FAS
 - EntireX Analysis includes Facility Association

- LIS/FAS
 - LIS/FAS Date/Time Stamp on 3 tables
 - FAS/DEV setup for IEI

- CBC
 - Started Phase2 of EntireX Decoupling
 - CBC DEV & PROD down 1 week
 - Documentation for refactor (Design, data flow, test matrix)

EntireX Decoupling



RFA 1A Form Search

index

type

body

```
{
  "query": {
    "match" : {
      "applicants.applicant.last_name" : "smith"
    }
  }
}
```

Response Body

```
{
  "formId": 2,
  "applicant": {
    "id": 0,
    "name_prefix": null,
    "first_name": "Jane",
    "middle_name": "J",
    "last_name": "Smith",
    "name_suffix": null,
    "other_names": [
      {
        "name_prefix": null,
        "first_name": "string",
        "middle_name": "string",
        "last_name": "string",
        "name_suffix": null
      }
    ]
  }
}
```

Phonetic Search

index

type

```
body
{
  "query": {
    "match": {
      "applicants.applicant.last_name.phonetic": "smeet"
    }
  }
}
```

Response Body

```
{
  "formId": 2,
  "applicant": {
    "id": 0,
    "name_prefix": null,
    "first_name": "Jane",
    "middle_name": "J",
    "last_name": "Smith",
    "name_suffix": null,
    "other_names": [
      {
        "name_prefix": null,
        "first_name": "string",
        "middle_name": "string",
        "last_name": "string",
        "name_suffix": null
      }
    ]
  }
}
```

Important Links

CALS Digital Service

- ❑ GitHub Wiki: <https://github.com/ca-cwds/CALS/wiki>
- ❑ GitHub Repository: <https://github.com/ca-cwds/CALS>

CALS API

- ❑ GitHub Wiki: <https://github.com/ca-cwds/cals-api/wiki>
- ❑ GitHub Repository: <https://github.com/ca-cwds/cals-api>

Shared resources

- ❑ CALS SharePoint (osi email required): [Link](#)
- ❑ CALS Shared Google Drive (request access)
- ❑ UX Artifacts links :

Important Links (Cont.)

- ❑ GitHub Wiki: <https://github.com/ca-cwds/cals-api/wiki>
- ❑ GitHub Repository
 - <https://github.com/ca-cwds/cals-data-model>
 - <https://github.com/ca-cwds/dora>
 - <https://github.com/ca-cwds/api-core>
 - <https://github.com/ca-cwds/perry>
 - <https://github.com/ca-cwds/jobs>
 - <https://github.com/ca-cwds/jobs/wiki/Facility-Indexer-Job>
- ❑ SharePoint :
<https://osicagov.sharepoint.com/sites/projects/CWS-NS/ETP2/SitePages/Home.aspx>
- ❑ Pivotal:
<https://www.pivotaltracker.com/n/projects/2011319>