



**CWDS**  
Child Welfare Digital Services

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# **Child Welfare Digital Services Sprint Review Presentation**

***Sprint Review of Iteration 4.1***  
***CALS/TPT2/LDU***

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***Sprint Dates: 08/24/17 to 09/06/17***

# Agenda

- CALS product discussion
  - Value proposition
  - Product demonstration
  - User research and design
  - Sprint Statistics
- TPT2 business review
  - Part I – Business Review
  - PI-4 Objectives, Epics, and Roadmap Overview
  - Sprint 4.1 Deliverables Overview
  - Sprint Statistics Review
  - Q&A
- Next event
- Technical discussion
  - What makes all this possible, transition to technical discussion
- Important links

# CALS value proposition, PI-4 “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 search 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	End to End creation of RFA 01A/B/C Ability to print As-Is Version of forms
Workload Management	Less time fighting the tool and more time for social work	Global and Page navigations across all digital services makes it easier to operate in the system
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  Creation of Facilities in CWS/CMS

# PRODUCT DEMONSTRATION

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

- ❑ Relationship between applicants (Leon)
- ❑ Create facility (Alex)

# Create Resource Family Home in CWS/CMS

**Resource Management - [Placement Home [Tolkien, John & Anna RFH]]**

File Edit Action Associated Window Help

Substitute Care Provider Other Children Other Adults Chg/Pref License Info Comments Special Projects Payee LA Payee Hold Status Background Check

**Identification**

Name: Tolkien, John & Anna RFH Primary Substitute Care Provider: Ms. John N Tolkien Jr

Type: Resource Family Home Operated By:

Foster/Resource Family Home Type: License Number: NULL

**Age Range**

From: 0 To: 0 #Placements: 0 Beds Avail: 0 Adj. Cap.: 0

Primary Phone: (534) 758-9803 Ext.: 1234567 Fax:

**Backup Contact**

Name: Phone: Ext.: Adoption Only

**Address**

Street No.: 1702 Street Name: Redoak Ct City: Rocklin

State: California ZIP: 98123 ZIP Ext.: Geographic Region: County of Location: Sacramento

Foreign Country: Foreign ZIP: Foreign Address Description (Province Name, etc.):

Comment: Directions here

**Disaster Emergency Contact Information**

Name: Phone: Ext.: Alternate Phone: Ext.: E-mail Address:

Street No.: Street Name: City:

State: ZIP: ZIP Ext.: Foreign Country: Foreign ZIP: Foreign Address Description (Province Name, etc.):

Placement Home End Date

End Date: Reason Type: Comments:

☐ This home is on hold. Please see the Hold Status page.  
☐ SCP Moved to New Address  
☐ At Capacity  
☐ Adoption Only

Ready Placement Home [Tolkien, John & Anna RFH]

Start

11:27 AM 9/6/2017

# Design - RFA 01A validations

HomeInsertPage LayoutFormulasDataReviewView

Iteration4.1\_RFA01A\_FieldLevelSpecs\_20170906

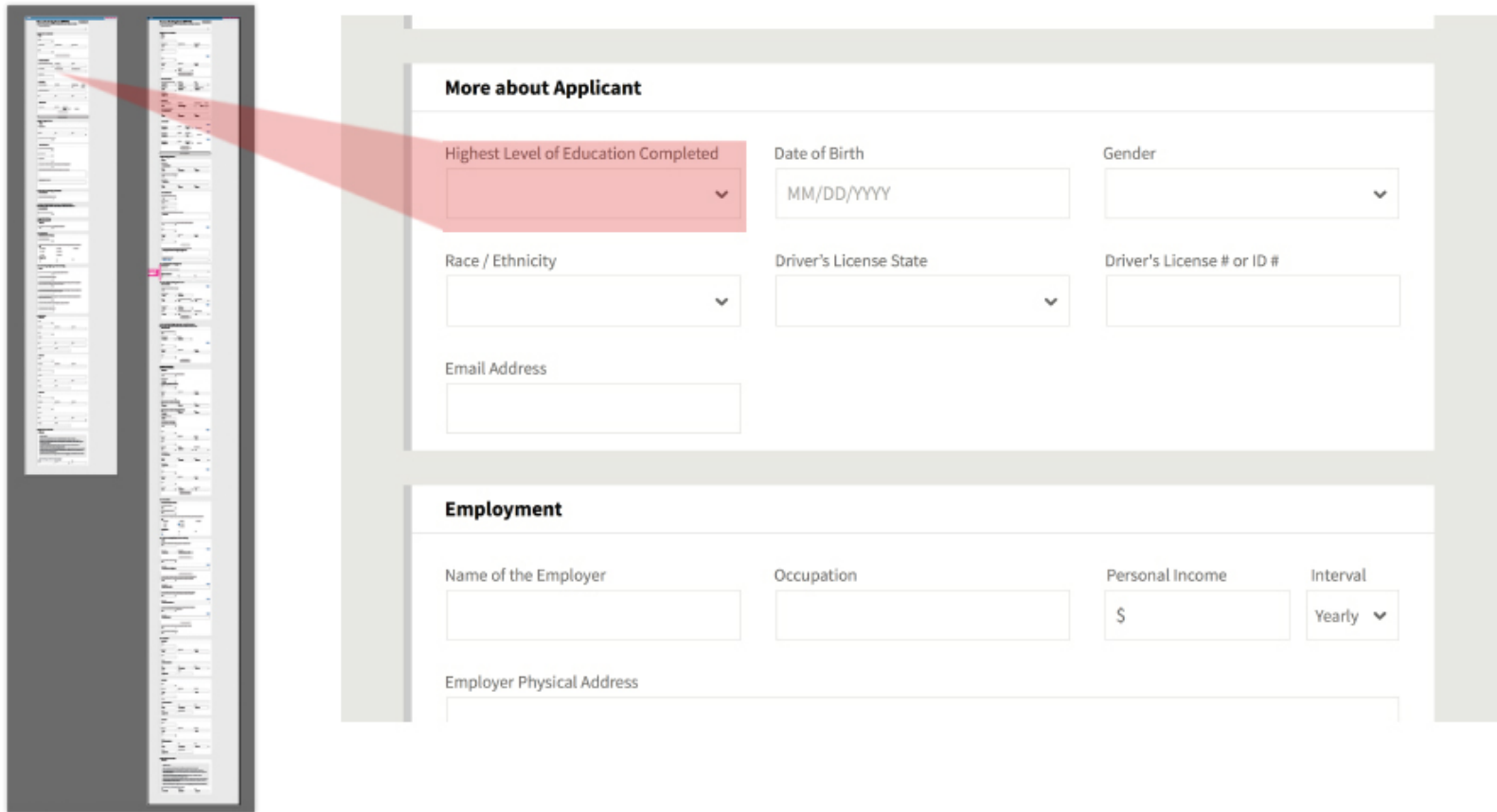
Search SheetShare

A23	A	B	C	D	E	F	G	H	I	J
1	Card Name / Dynamic UI	Field Label	Input Type	Required (Y/N)	Null Value (Y/N)	Field Size - CWS	Validation(s)	Field Content	Formatted	Placeholder Text: Interaction
2	More About Applicant More Info	Highest Level of Education	C Drop Down	Y	N	N/A	N/A	No schooling completed Nursery school to 8th grade Some high school, no diploma High school graduate, diploma or the equivalent Some college credit, no degree Trade/technical/vocational training Associate degree Bachelor's degree Master's degree Professional degree Doctorate degree	N/A	N/A
3		Date of Birth	Numerical input (text)	Y	N	10	Can not be current date or in the future		MM/DD/YYYY	RULE: Date of Birth entries require a text input field formatted to MM/DD/YYYY
4	Driver's License State	Gender	Drop Down	N	Y	N/A	N/A	Male Female	N/A	N/A
5		Driver's License State	Drop Down	N unless DL# is entered	Y	N/A	N/A	Alabama Alaska Arizona Arkansas California Colorado Connecticut Delaware Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland	N/A	N/A
6	Driver's License # or ID #	Text	N unless State is Selected	Y	20	Default Value : Null Data Type : Text Field Input Type : Characters, Numbers Data Length : 20 characters NOTE: State ID: 15 characters New York DL# = 19 CHARs Restrictions : May only contain letters (A - Z), numbers (0 - 9), hyphens, slashes, and spaces. See State ID formats link.	N/A	Format : auto-capitalization State ID formats (link): <a href="https://www.google.com/url?sa=t&amp;rct=j&amp;q=&amp;resourc=&amp;source=web&amp;cd=7&amp;ved=0HUKewigMBYnQVAbVmjQKHUSB30QIghOMAY&amp;url=http%3A%2F%2Fwww.dvsearchandhelp.com%2F%2FSpectrum14%2FSubsystems%2FYEL%2FContent%2FValid%2520State%2520ID%2520Formats.pdf&amp;imgref=AFCJCHhINGVDQmWqYIC2Bthv6A_uFKA">https://www.google.com/url?sa=t&amp;rct=j&amp;q=&amp;resourc=&amp;source=web&amp;cd=7&amp;ved=0HUKewigMBYnQVAbVmjQKHUSB30QIghOMAY&amp;url=http%3A%2F%2Fwww.dvsearchandhelp.com%2F%2FSpectrum14%2FSubsystems%2FYEL%2FContent%2FValid%2520State%2520ID%2520Formats.pdf&amp;imgref=AFCJCHhINGVDQmWqYIC2Bthv6A_uFKA</a>	Choose state then enter DL or ID number. Interdependent: You can't	
7		Email Address	Text	N	Y	50	1 "a" * + > 1"	N/A		name@domain.com
8	Employment	Name of the Employer	Text	Y	N	35		N/A	N/A	
9		Occupation	Text	Y	N			N/A	N/A	
10		Personal Income	Text	Y	N	8	numerical only - no alpha/only whole numbers		Right aligned digits. "\$" on left of input "00" on right	Auto-formatted to "\$_ _ _ _ _00" - input enters right to left.
11		Interval	Dropdown	Y	N	N/A	Default = Yearly Yearly Monthly			
12		Employer Physical Address	Text	Y	N	50				
13		Zip	Text	Y	N	5	Numerical input. Validate against all USA postal code list		<a href="http://www.phaster.com/zip_code.html">http://www.phaster.com/zip_code.html</a>	entering a Zip Code will auto-fill the City & State fields via GeoMap
14		City	Text	Y	N	20	Alphanumeric and special characters	N/A		
15	State	Drop Down	Y	N	N/A	N/A	All US states list	N/A	N/A	
16	Phone Number	Phone Number	Text	Y	N	10	Numerical only. Ignore "-" and "1"		( ) - - - - -	(XXX) XXX-XXXX
17		Phone Type	Drop Down	Y	Y	N/A	Default = Cellular	Work Home Fax Cellular Alternate		Hint text is replaced by formatting guides on focus. Formatting guide
18		Extension	Text / numerical	N	Y	7	Numerical only			
19		Preferred	Checkbox	N	Y	N/A	Not required. Only one number can be N/A		N/A	N/A
20		Add Another Phone Number	Button	N/A	N/A	N/A	N/A	N/A	N/A	N/A
21	Remove	Text Link	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
22	Deleting a preferred number does not auto-select another number as Pattern: Button is disabled until a valid phone number is entered each Pattern: Remove text links appear in upper right on all Phone Number									

## Design - RFA 01A validations

	Field Content	Formatted	Placeholder Text
	No schooling completed Nursery school to 8th grade Some high school, no diploma High school graduate, diploma or the equivalent Some college credit, no degree Trade/technical/vocational training Associate degree Bachelor's degree Master's degree Professional degree Doctorate degree	N/A	N/A
at date or in the future		/ /	MM/DD/YYYY
	Male Female	N/A	N/A
	Alabama Alaska Arizona Arkansas California Colorado	N/A	N/A

## Design - RFA 01A validations



The diagram illustrates a zoomed-in view of a form section from a larger document. A red cone highlights the 'More about Applicant' section of the form.

**More about Applicant**

Highest Level of Education Completed

Date of Birth

Gender

Race / Ethnicity

Driver's License State

Driver's License # or ID #

Email Address

**Employment**

Name of the Employer

Occupation

Personal Income

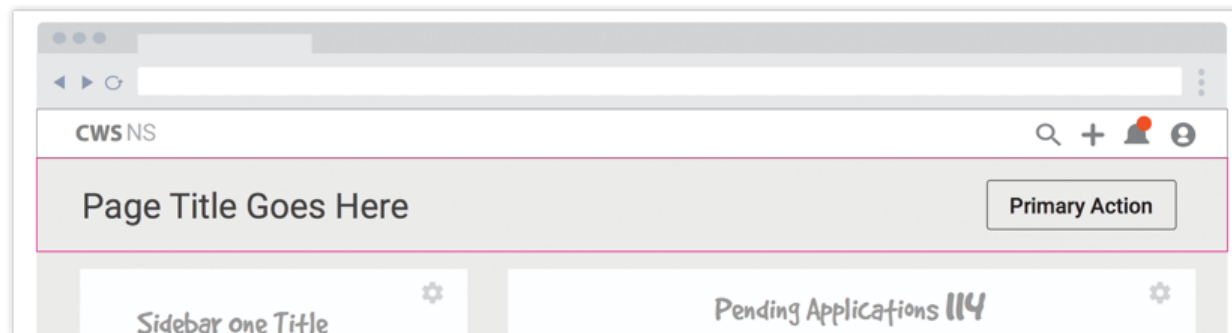
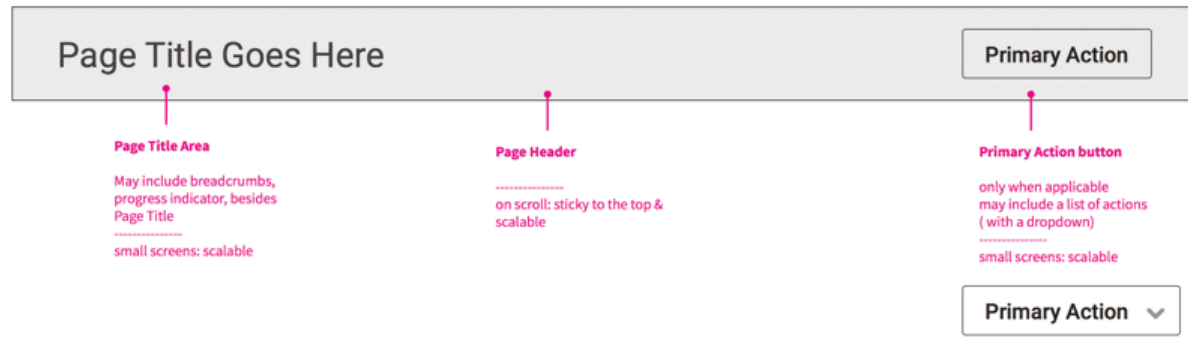
Interval

Employer Physical Address



# Design - IA - Page Header

## Page Header



# CALS – sprint metrics as of 9/06/17 at Noon

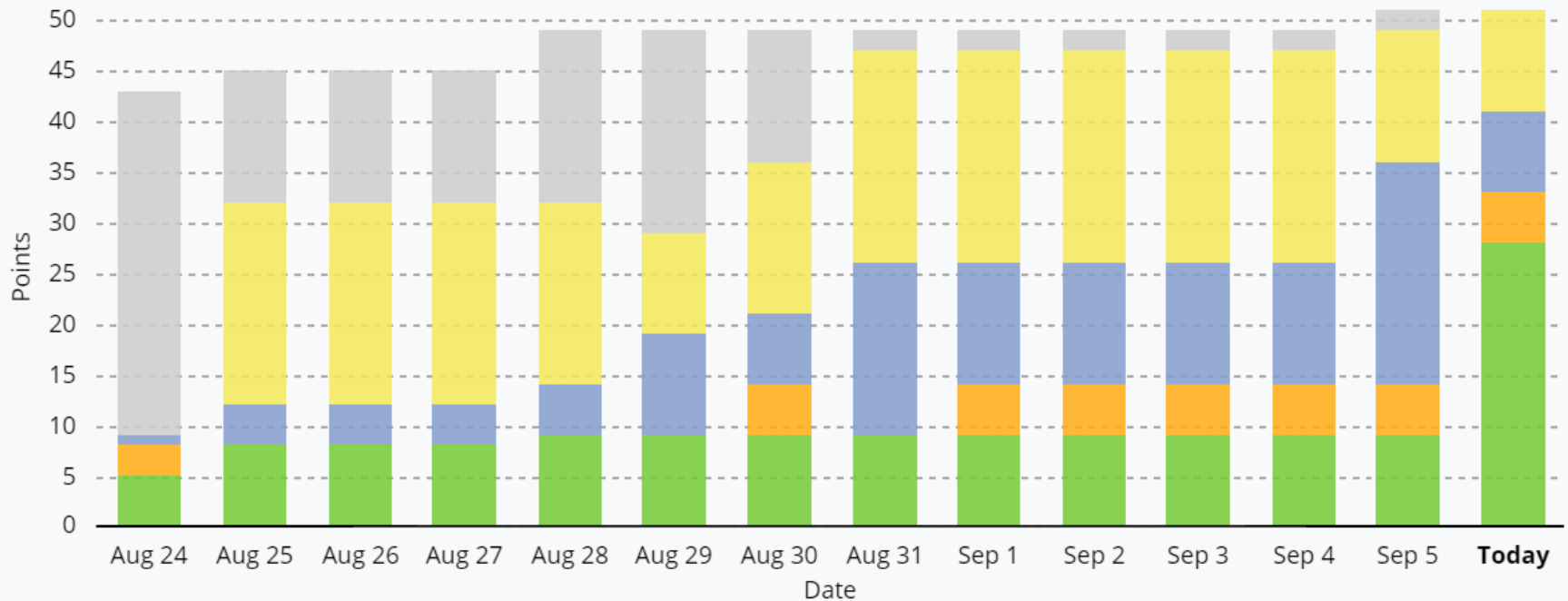
Sprint Metrics			
Iteration	4.1	3.6	3.5
Planned Capacity % / PTS	74% / 36	80% / 65	85% / 68
Accepted # of Planned Feature Stories / PTS	37 / 47	45 / 70	51 / 119*
# of Completed Feature Stories / PTS	15 / 24	30 / 57 *	43 / 99
% Completed (by PTS)	51%	81%	83%
# of Stretch Backlog Features / PTS	1 / 4	0 / 0	6 / 10
% Completed (including Stretch, by PTS)	60%	81%	92%
Average Velocity over 3 sprints	N/A	97	83
Cycle time for Features (in hrs.)	143	120	158

# CALS Sprint 4.1 Burnup chart

## Iteration Burnup

☐ Point scope ☒ Story state flow

Accepted Rejected Delivered Finished Started Unstarted





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# **Child Welfare Digital Services Sprint Review Presentation**

***Technology Platform Team 2  
PI-4 Sprint Iteration 4.1***

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***Sprint Dates: 08/24/17 to 09/06/17***

# Agenda

- Part I – Business Review
  - PI-4 Objectives, Epics, and Roadmap Overview
  - Sprint 4.1 Deliverables Overview
  - Sprint Statistics Review
  - Q&A
  
- Part II – Technical Demonstration
  - Technical Demonstration
  - Q&A

# PI-4 Objectives and Epics

- Primary Objective: Implement Search Capabilities for CALS Digital Service
- Secondary Objective: Enhance/Extend Platform Services
- API (CALS)
  - PDF Generation for RFA
  - RFA 1 A, B, and C
  - Forms Engine
  - Generate Manufactured Data
  - Placement Home Creation in CWS/CMS
  - CALS Landing Page (Information Architecture)
  - Create Client in CWS/CMS
  - RFA Form 02 API
- Perry
  - Finish Identity Provider for Public Sandbox
  - Create Authorization Service
  - Promote Improved Perry to Production
- Dora
  - Promote Improved Dora to Production
  - Role and Attribute Based Security
- Neutron
  - Promote Neutron CALS Job to Production
- Other Services
  - Promote Document Management to Upper Environment
  - Promote Geo Services to Upper Environment
  - End User Reporting (Combining CWS/CMS & CWS-NS) POC

# TPT2 PI-4 Current Roadmap

	Sprint 4.1	Sprint 4.2	Sprint 4.3	Sprint 4.4	Sprint 4.5	Sprint 4.6
API (CALS)			PDF generation for RFA	RFA 1 A, B, C  Form engine	Placement Home creation in CWS/CMS  CALS landing page (Information Architecture)	Create Client in CWS/CMS  RFA form 02 API  Generate Manufactured Data
Perry	Finish identity provider for public Sandbox	Logout Feature	Create authorization service to provide fine-grained authorization control (Perry)	Create ABAC security infrastructure and example code (API)  Update Perry Development Guide	token re-issue	Promote Improved Perry to production
Dora	Filter Sealed & Sensitive based on JWT	Promote Dora to Production with Sealed & Sensitive Filtering Support		Role and attribute based security	Promote Improved Dora to production	
Neutron					Promote Neutron CALS jobs to production	
Other		End User Reporting (CWS/CMS & CWS-NS) POC	Promote Geo Services to Upper Environment	Promote Document Management to Upper Environment		STRETCH: Session management Replacement
DB2	Interrupt Driven DB2 Activities	Interrupt Driven DB2 Activities	Interrupt Driven DB2 Activities	Interrupt Driven DB2 Activities	Interrupt Driven DB2 Activities	Interrupt Driven DB2 Activities

TPT2 PI-4 Sprint 4.1

# **SPRINT 4.1 REVIEW**



# Sprint 4.1 Planned Milestones

- Milestones Delivered
  - ❑ Finish identity provider for public Sandbox
  - ❑ Filter Sealed & Sensitive based on JWT (Dora)
  - ❑ Interrupt Driven DB2 Activities (Limited)
  
- Milestones Pushed
  - ❑ Logout Feature (Perry)

# PI-4 Sprint 4.1 Deliverables Highlights

Group	Deliverable	Epic	Epic Status	Demo
API	Creation of Resource Family Home in CWS/CMS from CALS using RFA 1A/B/C form	Placement Home Creation in CWS/CMS	In Progress	Yes
API	Additional RFA validation to improve compliance with CWS/CMS	RFA 1 A, B, and C	In Progress	Yes
Dora	Filter Sealed and Sensitive information based on user security attributes in Dora	Role and Attribute Based Security	In Progress	Yes
Other	Interrupt Driven DB2 Activities	Interrupt Driven DB2 Activities	In Progress	
Perry	Finish Identity Provider for Public Sandbox	Finish Identity Provider for Public Sandbox	Done* (This Sprint)	

# PI-4 Sprint 4.1 Stories Completed - API (CALS)

Story ID	Title	Type	Pts
150523564	SPIKE - manufactured data production for CALS	feature	3
150493748	CALS - API - Design PDF generation approach	feature	5
150522451	CALS - API - add references on primary SCP in Placement Home entity	feature	1
150492901	CALS - API - Perform testing of Placement Home creation on Integration environment CWS/CMS	feature	5
149669439	CALS - API - Implement reliable mechanism to store data to CWS/CMS and CWS-NS as one transaction	feature	5
150718701	<b>**Stretch**</b> CALS - API - County of Location on ID Tab is empty. As result, Placement Home can not be saved to database	feature	2
150720064	<b>**Stretch**</b> CALS - API - Unexpected error when RFA form submission if name suffix is not present for any of applicants;	feature	1
150520917	CALS - API - Validation - Drivers License/ID - User Interface RFA 01A	feature	2
148725221	CALS - API - Name Card - Middle Name - User Interface RFA01	feature	1
150493332	CALS - API - support front-end in case of minor changes in API	feature	3
150493417	CALS - API - validate required fields for RFA 1A/B/C submission	feature	3
150502116	CALS - API - Application is created and displayed with no information when NO information has been entered	feature	2
150772527	<b>**Stretch**</b> Manufactured Data - Create liquibase template for LIS data	feature	2

Total Points: 35

# PI-4 Sprint 4.1 Stories Completed – IDP & Dora

Story ID	Title	Type	Pts
150494002	IDP: fix Sonar	feature	3
150502814	IDP: implement unit tests to have 70% coverage	feature	3
150661991	**Stretch** Remove binary files from source code	feature	1
150683537	**Stretch** DMS: document how to configure application	feature	1
150333307	DevOps: build CI for IDP	chore	

Total Points: 8

Story ID	Title	Type	Pts
150534894	Dora: prepare test data in Elasticsearch + Xpack Docker image	feature	2
150491672	Dora: filter Sealed & Sensitive Client information based on JWT on document level	feature	5
150585364	DevOps: Elasticsearch image is not deployed to DEV	bug	
150486852	DevOps: configure Dora	chore	

Total Points: 7

# PI-4 Sprint 4.1 Stories Completed - Other

Story ID	Title	Type	Pts
149272259	Neutron: extract CALS jobs code as a separate Gradle sub-project inside Neutron	feature	3
149951196	DevOps: Neutron CI Sonar scan is not working in DEV Jenkins	chore	
149272187	Perry - Implement smoke test set for Perry	feature	3
150503461	Perry SPIKE: research OAuth2 approach to token revocation	feature	3
150561772	DevOps: Perry: expose administrative port on docker container on Dev CI (for health check)	chore	
150493882	Interrupt Driven DB2 Database Admin Activities 4.1.1	feature	3
150334210	DevOps: build CI for DMS	chore	
150486896	DevOps: configure Geo Services API	chore	
150643332	DevOps: deploy CONNX JDBC driver to Artifactory	chore	
150642613	DevOps: deploy db2 JDBC driver and license to Artifactory	chore	

Total Points: 12

# PI-4 Sprint 4.1 Stories NOT Completed

Story #	Story Summary Description	Points
148082635	Configure Dora to work with Perry on Pre-Int environment*	3
150758915	**Stretch** Fix ChangedFacilityService and create unit-test in CALS-API	5

\* Blocked by 150491672: "Dora: filter Sealed & Sensitive Client information based on JWT on document level"

TPT2 PI-4 Sprint 4.1

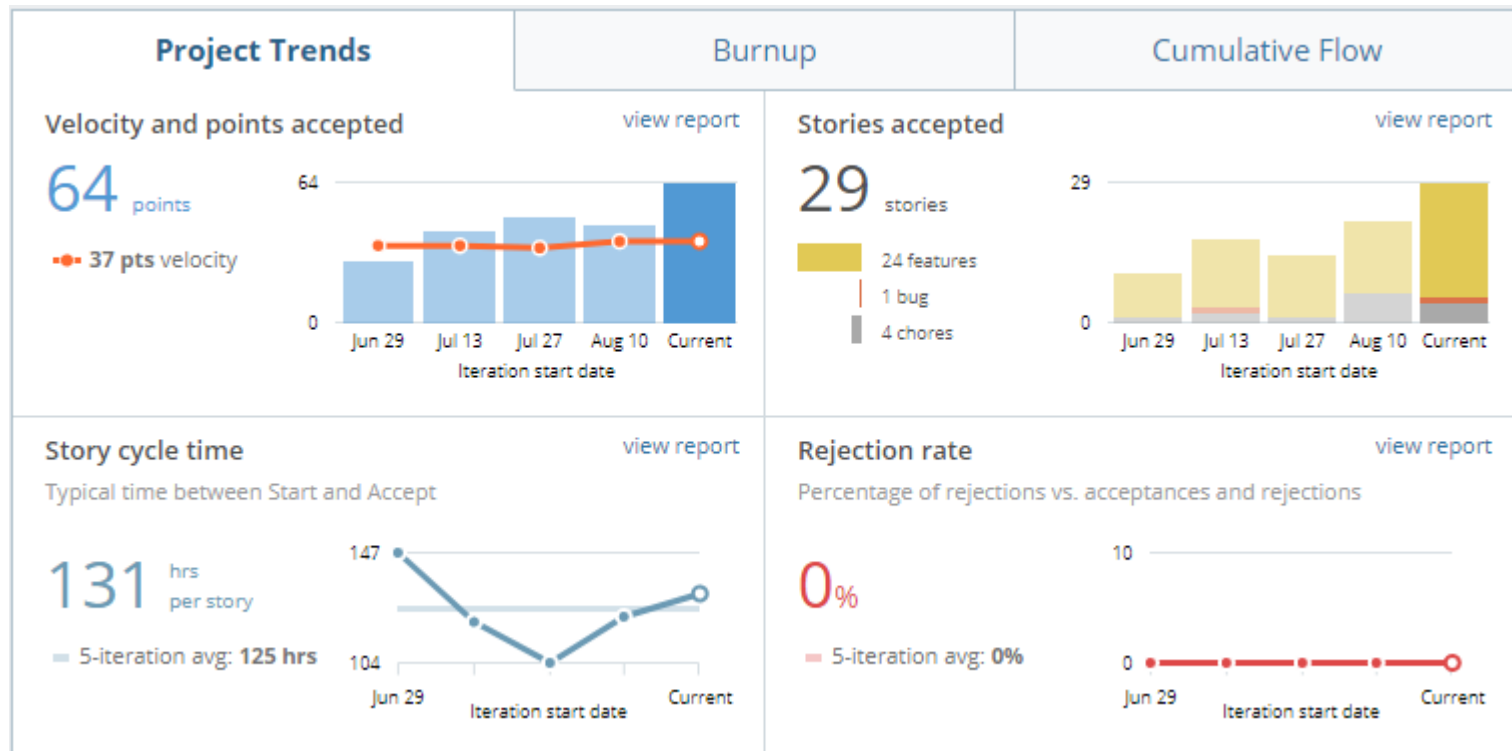
# **SPRINT STATISTICS REVIEW**

# PI-4 Sprint 4.1 TPT2 Metrics

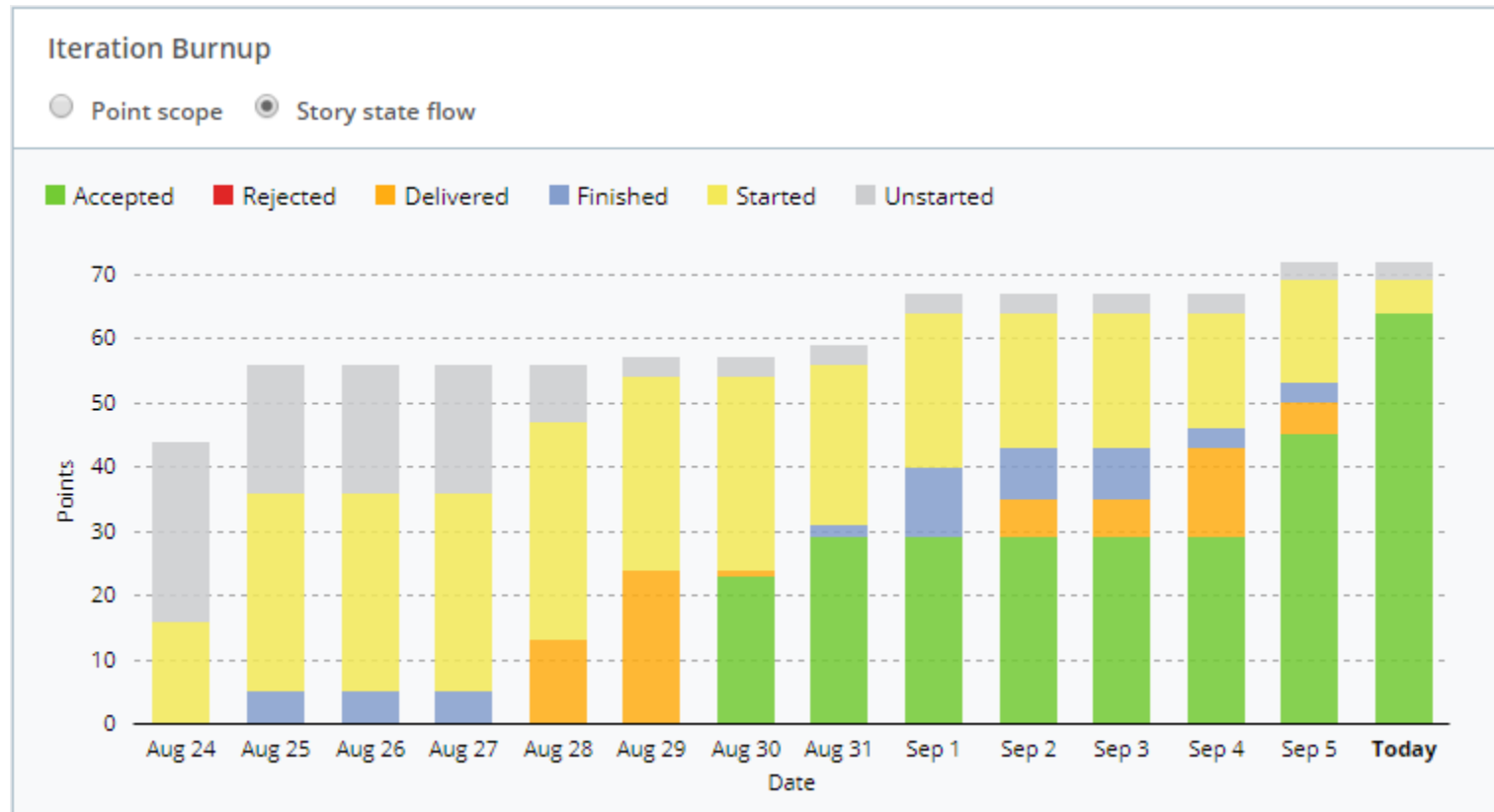
Sprint Metrics	
Capacity	65%
Planned Backlog Story Points	58
Completed Backlog Story Points	55
% Completed	94.8%
Stretch Backlog Story Points	9
% Completed (including Stretch)	110.3%
Sprint Velocity (The actual completed + stretch)	64
Average Velocity over <b>last</b> 3 sprints	37
Rework Opportunities	0
Rework Resolutions	0
Defects Incurred	0
Defects Remaining	0
Story Cycle Time (5 iteration Average)	131 hr



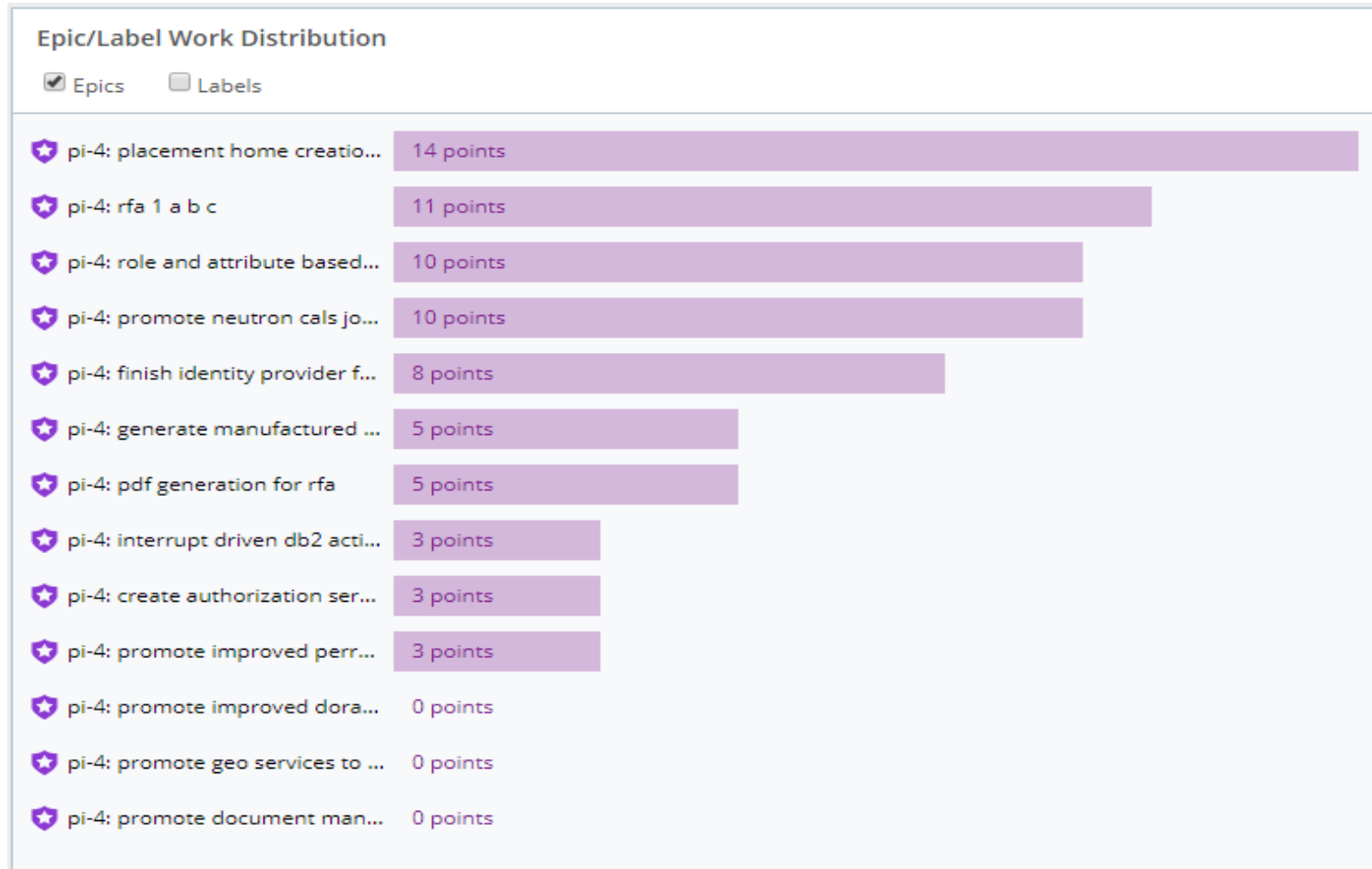
# PI-4 Sprint 4.1 - Project Trend



# PI-4 Sprint 4.1 Burn Up



# PI-4 Sprint 4.1 Epic Work Distribution



# Impediments

## No Impediments

RESOLVED THIS SPRINT	Outside Team Control or Influence	Within Team Influence	Within Team Control



# Where We're Headed in Sprint 4.2

- PI-4 Milestones In Progress
  - PDF generation for RFA
  - Placement Home creation in CWS/CMS
  - Generate manufactured Data (CWS/CMS, LIS, FAS, CWS-NS)
- PI-4 Milestones to be Delivered
  - Logout Feature
  - Promote Dora to Production with Sealed & Sensitive Filtering Support
  - End User Reporting (CWS/CMS & CWS-NS) POC
- Additional Comments
  - DB2 Activities will not be in scope for 4.2
  - Reduced capacity in 4.2 due to scheduled time off for team members



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# **What made all this possible?**

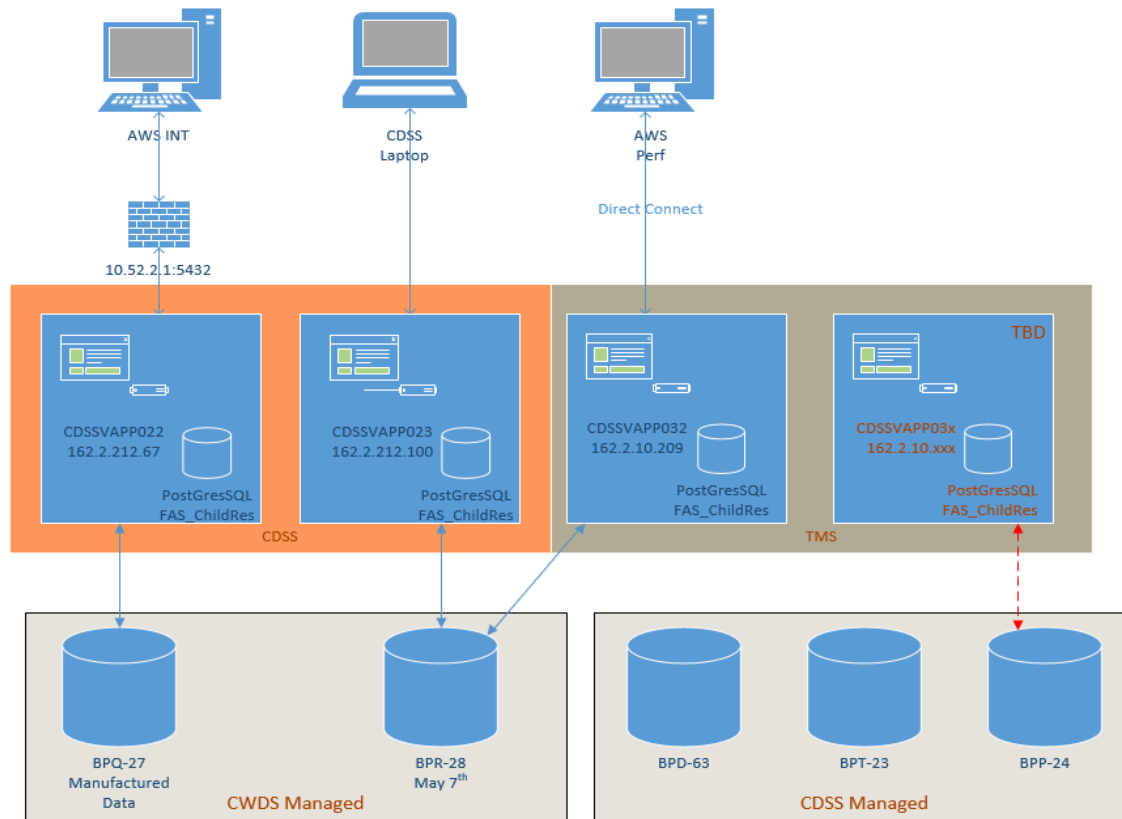
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***Technical discussion begins here***

# LDU – Licensing Development Unit

- Business Rule Extraction (BRE)
  - Business Process Analysis for Child & Adult Care Facilities
  - CBC: Top Down / Bottom Up Analysis
  - Modify LIS document.
- LIS/FAS
  - Stand new Domino Server and PostGresSQL Table for Staging
  - Spike: ADABAS training to support LIS
- CBC
  - POC for Jenkins
  - Analysis on 7 web methods -> ConnX

# LDU Environments





# Additional RFA validation

applicationId  The RFA-1A Form Id path long

status { "status": "SUBMITTED" } New Application status body Model Example Value { "status": "DRAFT" }

Parameter content type:

**Response Messages**

HTTP Status Code	Reason	Response Model	Headers
200	Application status has been changed successfully		
304	Application status is the same as previous		
400	Application status can not be changed to requested one		
422	Validation exception fired		

[Try it out!](#) [Hide Response](#)

**Curl**

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' -d '{ \
  "status": "SUBMITTED" \
}' 'https://cals-api.preint.cwds.io/rfa-1a-forms/113/status?token=..WQYyq-VzbbeVWGg-.Lf0WYewx2GcXvmjLi4DdGeFYif85R_EGDJ0WKKzr0e05'
```

**Request URL**

```
https://cals-api.preint.cwds.io/rfa-1a-forms/113/status?token=..WQYyq-VzbbeVWGg-.Lf0WYewx2GcXvmjLi4DdGeFYif85R_EGDJ0WKKzr0e05_Dt7w
```

**Response Body**

```
{
  "validation_details": [
    {
      "type": "business_validation",
      "user_message": "Other adult with first name - [Anna], last name - [ ] and name suffix - [ ] has no last name",
      "code": "BV000019",
      "technical_message": "form-submission-validation"
    }
  ]
}
```

# Filter Sealed and Sensitive information based on user security attributes

The screenshot shows a web browser window displaying a Swagger API endpoint. The URL bar shows the address: `192.168.99.100:8080/swagger?token=..pzqfdV9eqM_YKyNZ.SvzB...`. The "Request URL" field shows the full URL: `http://192.168.99.100:8080/dora/people/person/_search?token=..pzqfdV9eqM_YKyNZ.SvzBERBoZ6BmXKOMdpC6aDltNGLlFr2Y9yI0niw3ghRRmwk9C6Q`. The "Response Body" field displays a JSON object representing a person record. A Notepad window titled "Untitled - Notepad" is overlaid on the right, showing a JWT token and its decoded payload.

**Request URL**

```
http://192.168.99.100:8080/dora/people/person/_search?token=..pzqfdV9eqM_YKyNZ.SvzBERBoZ6BmXKOMdpC6aDltNGLlFr2Y9yI0niw3ghRRmwk9C6Q
```

**Response Body**

```
{
  "_index": "people",
  "_type": "person",
  "_id": "person_R",
  "_score": 1,
  "_source": {
    "first_name": "Perp1",
    "middle_name": "",
    "last_name": "P.",
    "name_suffix": null,
    "date_of_birth": null,
    "gender": "male",
    "ssn": "7654321",
    "type": "gov.ca.cwds.data.persistence.cms.rep.ReplicatedClient",
    "sensitivity_indicator": "R",
    "county_id": "1123",
    "county_name": "Ventura",
    "source": "{\"adjudicatedDelinquentIndicator\":\"\", \"adoptionStatusCode\":\"N\", \"alienRegistrationNumber\":\"\", \"t",
    "legacy_source_table": null,
    "legacy_id": "HMF3avi0RN".
  }
}
```

**JWT Token:**

```
{
  "user": "RACFID",
  "staffId": "34",
  "roles": ["Supervisor"],
  "county_code": "56",
  "county_name": "Ventura",
  "privileges": [
    "Countywide Read/write",
    "Sealed"
  ]
}
```

# Important Links CALS

## 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 CALS (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>

# Important Links TPT2

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