crocus

Guiding growth in the education sector

TEA Ed-Fi TPDM Sprint G Report

March 15 - March 28, 2022

Project Status: At RISK

The project has experienced significant delays estimated as of today on 135 calendar days:

1. Architecture design (Delay: 95 working days)

   - DECISION: TEA and Instructure have agreed to change the approach to be a single ODS.
   - Additional timeline and process details needed from Instructure (No response as of 3/15)

2. Dev Ops and Environment Setup (Delay: 90 working days)
   - Dev environment setup
   - Staging/Prod Environment are under TEA review and planning for setup

Project High Level Task List

Milestones	Original Date	Updated Date	Status
Technical Architecture coordination with TSDS vendor	11/19/2021	**3/22/2022**	Additional information and timeline requested from Instructure and is delayed.
DevOps and environment setup (in collaboration with TEA)	12/3/2021	**3/22/2022**	Dev ODS set up completed **2/28/2022** Dev SQL Server setup **will be completed 4/4/2022** Staging/Prod Server setup **will be completed 4/4/2022**
Release 1 Data Loading	12/23/2021	**4/1/2022**	**SFTP was setup and connected in the sprint. Data Loading is proceeding.**
Data Validation	1/7/2022	4/5/2022	Draft data validation cases under development.

Sprint G Goals

- Collaborate with Instructure to define architecture requirements **(Severely Overdue: Carry over from Sprint A)**
  - Decisions made on collaboration process with Instructure
- Establish development environment **(Severely Overdue: Carry over from Sprint B)**
  - Development server setup completed
  - Staging/Production server setup pending installation
- Release 1 Goals:
  - Release 1 mapping complete
  - Load data for mapping that has been completed (EdOrg, Descriptors, Applicants/Applications)
  - Candidate, Student partially loaded

Highlights of Sprint Work

- Complete: EdOrg, Student, Person, and Application loaded
- Complete: ETL packages for Staff, Candidate, Certification
- In Progress: QA Review and Bug/Fix for data loading domains
- In Progress: Remainder of 3 domains in Release 1 data loading including Staff, Candidate, Certification
- In Progress: Dev Data Mart server set up and Staging/Production environments
- On Hold: Timeline and integration process discussions with Instructure

Highlights of Sprint Work

- Release 1 Data Loading was mostly completed. This included a lot of support from Manuel J. who helped install and troubleshoot the ODS and Data Import Tool installation. Loaded domains include:
  - EdOrg
  - Student
  - Person
  - Applicant/Application

High Level Project Status - Legend

Green - Work on target for completion by due date

Yellow - In progress but delayed or at risk

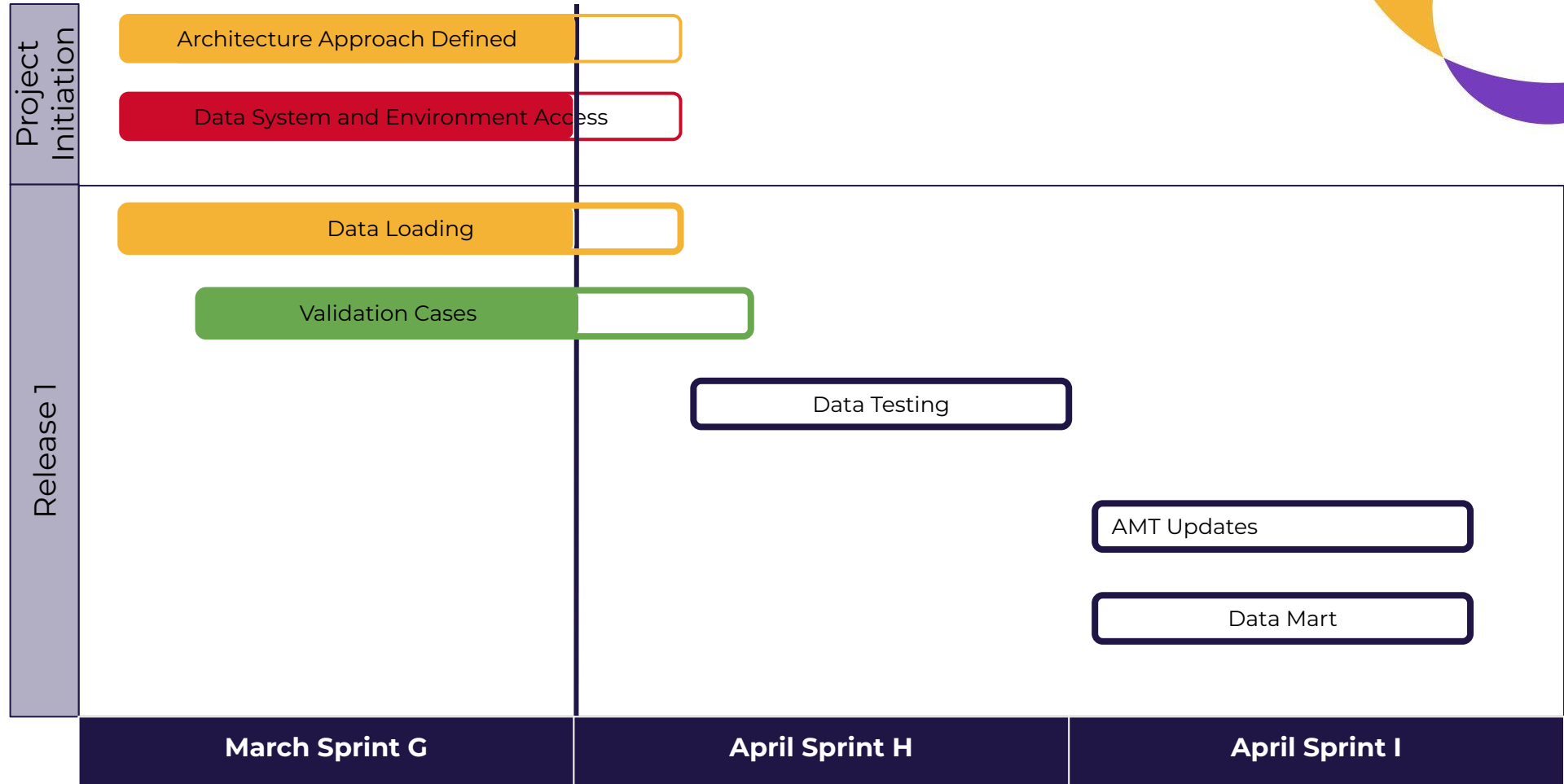Red - Severely delayed or blocked

Black - Not started

Fill of the block indicates the estimated percentage of work completed.

High Level Project Status

Project Initiation			

Project Initiation

- Architecture Approach Defined
- Data System and Environment Access

Release 1

- Data Loading
- Validation Cases
- Data Testing
- AMT Updates
- Data Mart

March Sprint G	April Sprint H	April Sprint I

Focus of Upcoming Sprints

Sprint H (March 29, 2022)

- Define the timeline and process for data loading and extractions from Instructure ODS

- Installation of the Data Mart architecture components required for development of Release 1 **(CRITICAL)**

- Define the structure and process to set up the Test/Prod Environment Components **(CRITICAL)**

- Complete data loading to the development ODS **(CRITICAL)**

- Establish data validation template and begin gathering validation rules

Project Blockers

The project team is currently blocked by the following high priority tasks:

- Development Environment setup (Currently 90 working days overdue)
  - The Development ODS, Data Import Tool, and SFTP setup is complete
  - TEA has identified the server components and is collaborating with the appropriate teams to set up the Staging/Production environments during the next sprint (by 4/8)
- TPDM WebAPI that is installed on Dev needs to be updated
  - The Alliance had incorrect documentation that had the old version of the TPDM WebAPI to be installed as part of the ODS setup instructions
  - The outdated version was not noticed because there were no changes in the new version for the data that was loaded in this sprint
  - Prior to loading the candidate domain, the WebAPI will need to be updated by TEA

Project Risks

The project team is closely tracking these existing high impact project risks:

- EPP ODS installation and loading is contingent on Instructure availability
  - This will impact Release data loading Staging/Production timelines
  - TEA is coordinating with Instructure; next step is to discuss and define process details
- Development implementation limited by TEA approval processes and Instructure availability.
  - Change Order 2 submitted to TEA 3/14 which separates deliverables for TEA staging approvals and migration and Instructure ODS integration and testing.
- Development ODS is currently on a container owned by M. Jaramillo. This may limit the amount of testing and troubleshooting that Crocus can perform. Items could be blocked if M. Jaramillo is not available.
  - Dev ODS was moved to a server but Crocus is still limited on access
- Project success is impact by stakeholder (Project Team, TEA IT, etc) attendance and participation at team meetings including daily stand-ups and dev working sessions.
  - This was raised to stakeholders at project check-in held 2/28
  - Since that time TEA participation has improved but is not always consistent due to competing priorities of team members
- TEA TPDM Project Manager position is vacant as of 3/18
  - A temporary TEA project manager Leticia R. has been assigned until the position is filled.
  - Crocus will collaborate with Mark O and Melody K to alert any action items or issues.

Project Risks

The project team is closely tracking these existing high impact project risks:

- TEA Jira is in its infancy of implementation at TEA is not fully utilized by the project team
  - The current tickets in Jira are collaborated on by the project team during stand ups, planning and review; however there is no collaboration happening in Jira with the team.
  - TEA has turned on notifications in Jira which should help the collaboration but many do not seem to even use the system yet.
- TEA Jira workflows do not match the project development workflow
  - The workflows for ticket types in Jira is defined by TEA and cannot be modified
  - The project team has discussed ways to work around the mismatch in process flows by using different ticket types and filling required fields with dummy information.
  - This is causing extra work to move tickets and not providing additional value.

Thank You!

Crocus