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ATLASSIAN

ComposeAlpha User Guide

Commented [KW1]: In table of contents
- edit the Configurations to Knowledge Base
- AI Sprint Builder to ComposeAlpha

Table of Contents

1. Overview 3

1.1. Product Overview 3

1.2. Assumptions 3

2. ComposeAlpha Web Portal 4

2.1. Dashboard Overview 4

2.2. Project Setup 5

2.3. Demonstration Flow 7

2.3.1. Knowledge Base: 7
2.3.2. Transcript/Requirement: 8
2.3.3. Evaluate User Story: 11
2.3.4. Generate Testcases: 11
2.3.5. Product Impact: 13
2.3.6. Settings 14
2.3.7. Project Deletion 15

3. ComposeAlpha Plugin 16

3.1. Functionality (Similar to web portal) 17

3.1.1. Knowledge Base Tab: 17
3.1.2. Transcript/Requirement: 17
3.1.3. Product Impact: 20
3.1.4. Evaluate User Story (Available on User Story Issue Actions) 21
3.1.5. Generate Testcases (Available on User Story Issue Actions) 22
3.1.6. Settings 24

4. Troubleshooting & FAQs 25

4.1. Common Issues and Resolutions 25

4.2. General FAQs 25

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1. Overview

1.1. Product Overview

ComposeAlpha is a **cloud-native, Agent-based, AI-powered productivity extension** designed for Jira Cloud users to streamline every stage of the Software Development Life Cycle (SDLC). It is provided through two integrated components:

- A **seamless Jira Plugin** that integrates directly into your existing Jira workflows for real-time automation.
- A dedicated **web portal** used for initial setup, advanced configuration, and centralized management.

ComposeAlpha automates the generation and refinement of core Agile artifacts—including Epics, Features, User Stories, and Test Cases—using intelligent analysis of business inputs such as meeting transcripts, requirement documents, or sprint goals. The product bridges gaps between business and engineering teams by enforcing consistent structure, improving story quality, and enabling faster sprint planning. ComposeAlpha integrates seamlessly with existing Jira workflows, ensuring your teams can leverage automation without changing their established delivery processes.

Key Highlights:

- **Automated Requirement Conversion:** Instantly convert unstructured requirements into structured backlog items.
- **AI Sprint Planning:** Generate sprint-ready stories and tasks aligned with project goals.
- **Story Quality Assurance:** Evaluate and enhance user story clarity and acceptance criteria.
- **Automation Generation:** Generate skeleton test automation code directly from stories or API specifications.
- **Enterprise-Grade Security:** Data encrypted; no third-party data sharing.

ComposeAlpha integrates seamlessly with existing Jira workflows, ensuring teams can leverage automation without changing their established delivery processes.

1.2. Assumptions

This guide assumes that:

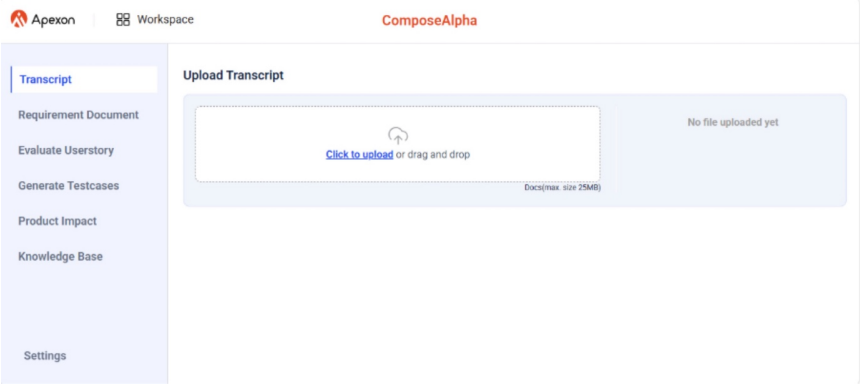
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- You have **already installed** the ComposeAlpha plugin in your Jira Cloud environment. If not, please refer to the ComposeAlpha Installation Guide for step-by-step setup instructions.
- You have the necessary permissions to access your Jira project and the ComposeAlpha module.

2. ComposeAlpha Web Portal

The **ComposeAlpha Web Portal** serves as the centralized hub for administering, securing, and configuring the AI capabilities that power your Jira Plugin. Unlike the Plugin, which focuses on real-time task automation within Jira, the Web Portal is where essential foundational steps are performed. This includes managing your subscription, creating and securing API credentials, configuring your Large Language Model (LLM) provider (such as Azure or AWS Bedrock), and linking your external knowledge sources (Confluence, SharePoint, etc.). All key setup and control features are accessed through the dashboard, which acts as your primary landing zone.

2.1. Dashboard Overview



ComposeAlpha Dashboard consists of below tabs:

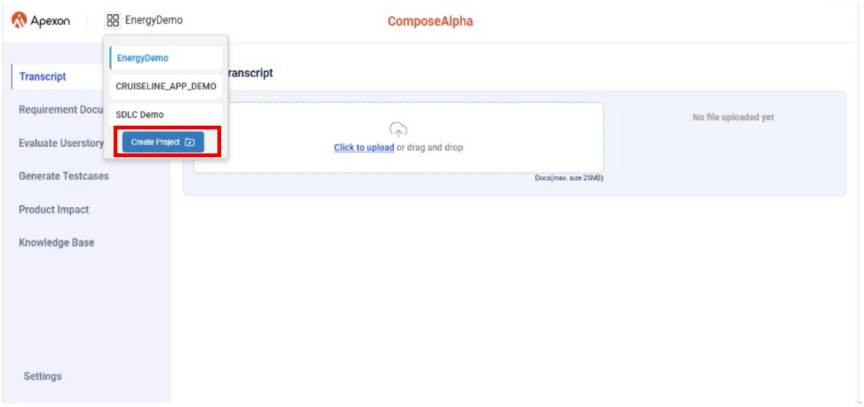
- **Transcript:** Upload meeting transcripts or conversation notes to automatically generate Epics, Features, User Stories, and Test Cases.
- **Requirement Document:** Upload detailed requirement documents to automatically generate Epics, Features, User Stories, and Test Cases.
- **Evaluate User Story:** Analyze story quality, detect ambiguity, and receive improvement suggestions.

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- **Generate Testcases:** Generate comprehensive test cases for the given User Story.
- **Product Impact:** Examine dependencies and evaluate the ripple effect of changes across linked artifacts in a sprint
- **Knowledge Base:** This section allows you to connect ComposeAlpha with your existing Jira project and enterprise knowledge base your organization uses.
- **Settings:** In the Settings tab, you can set up the LLM Client configuration for your project. This is optional, if not set; your project will use a default ComposeAlpha default LLM client (Azure OpenAI).

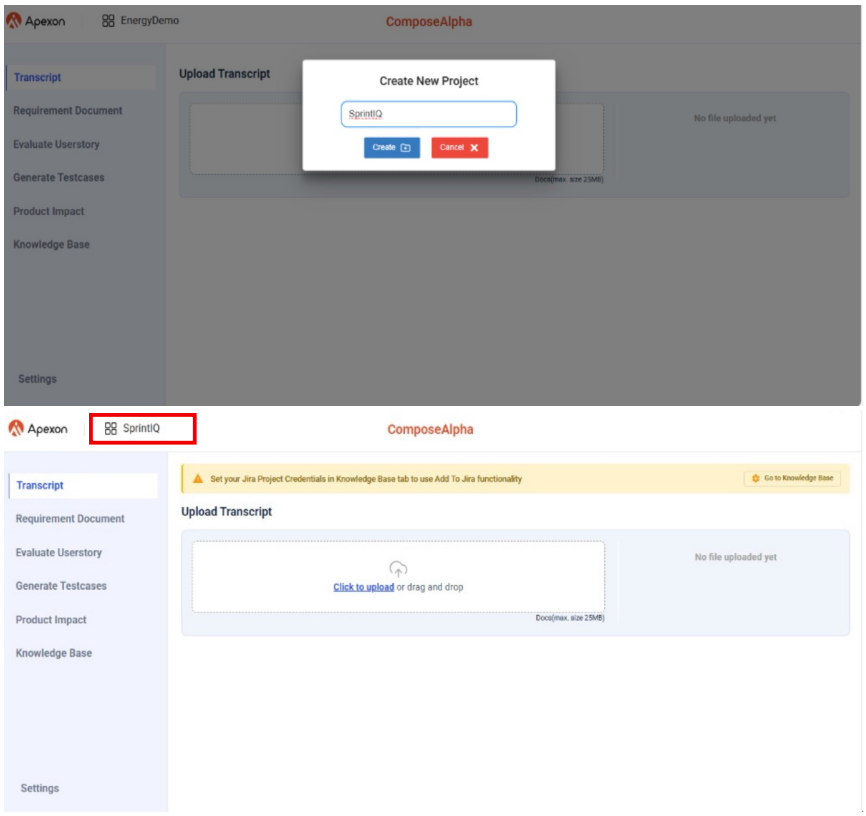
2.2. Project Setup

Immediately after login, we will need to create a new project in ComposeAlpha.



- Enter a New Project Name

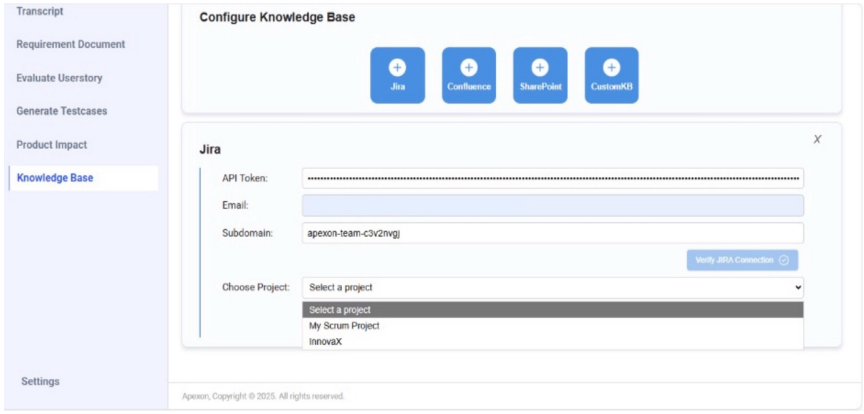
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Note: Make sure you have selected, newly created project – SprintIQ and configure

- Configure Jira Project in ComposeAlpha Knowledge Base Tab

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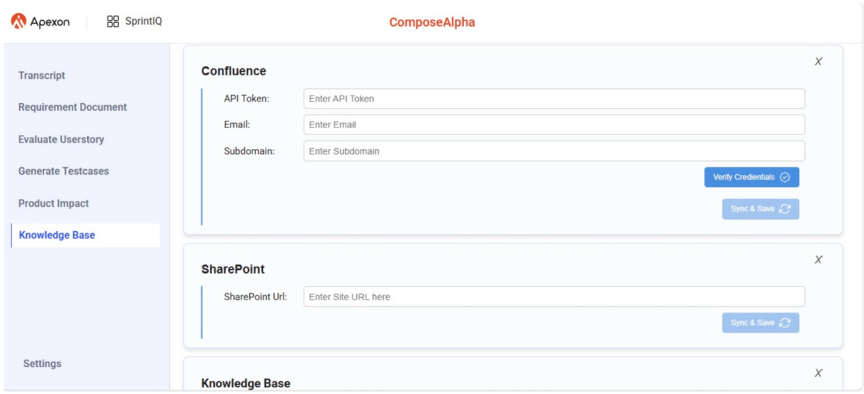


2.3. Demonstration Flow

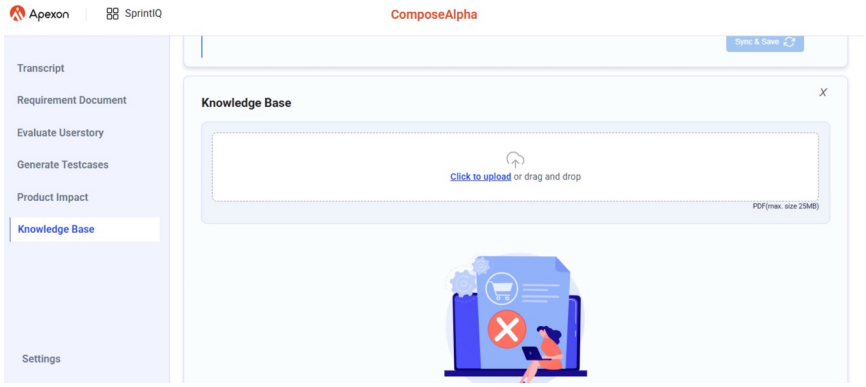
2.3.1. Knowledge Base:

You can configure the knowledge base with three options

1. **Custom KB:** Upload the PDF document which contains Abbreviations used in industry, industry best practices, etc.
2. **SharePoint**: Provide your SharePoint URL and it will fetch all the documents from SharePoint.
3. **Confluence**: Provide Confluence credentials- Atlassian API token, email, Confluence subdomain then syncs the documents from Confluence.

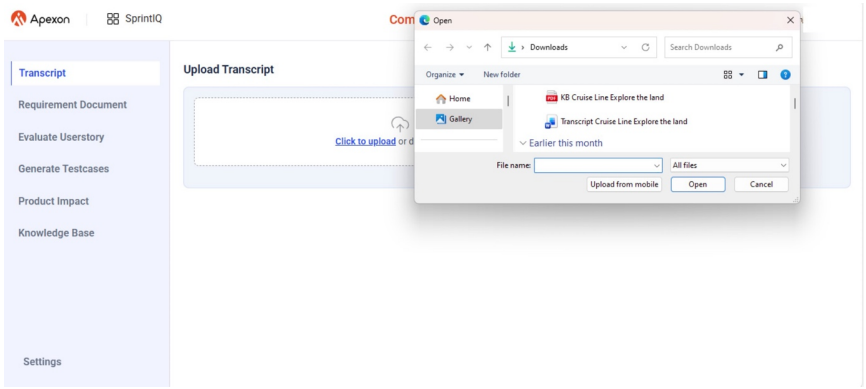


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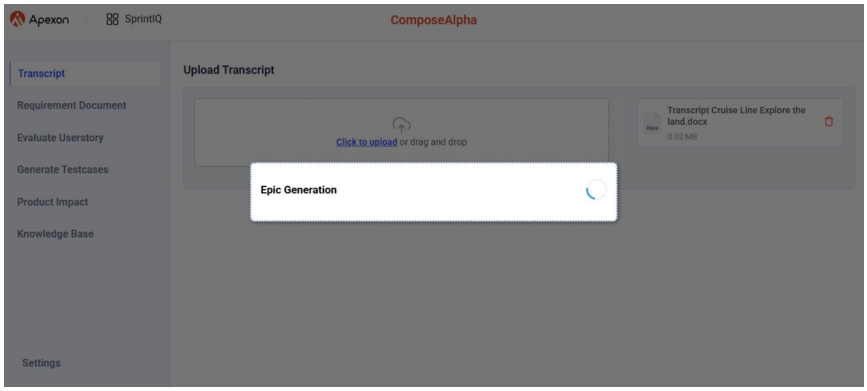


2.3.2. Transcript/Requirement:

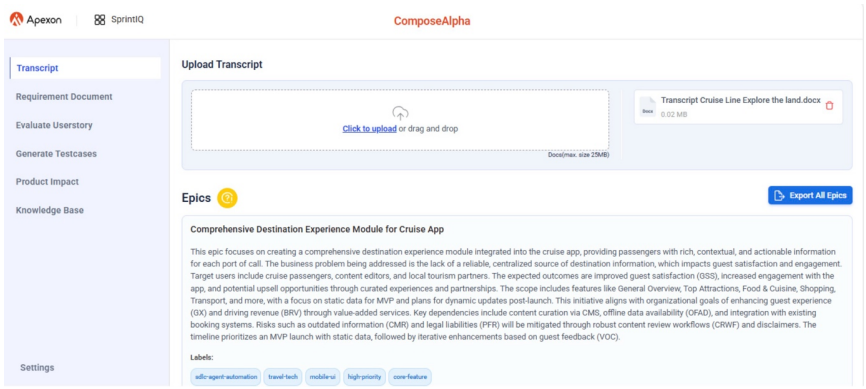
1. Start with any of these tabs as the final output of both tabs is the same.
2. Upload your document and it will generate Epic, Feature, and User Story. You can then generate Test Case for each User Story.



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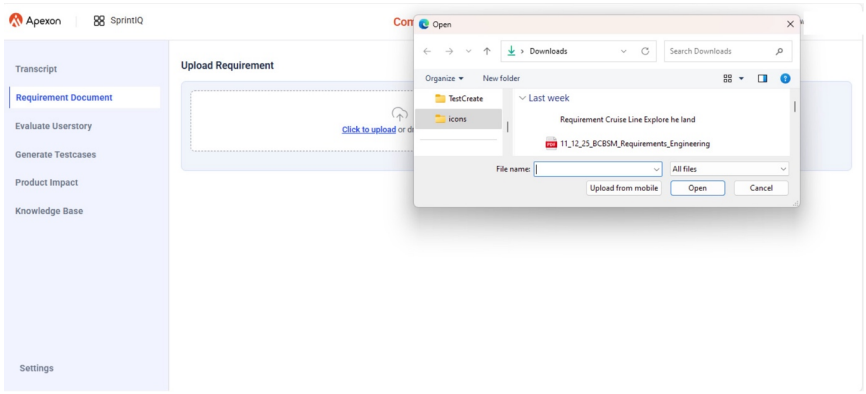


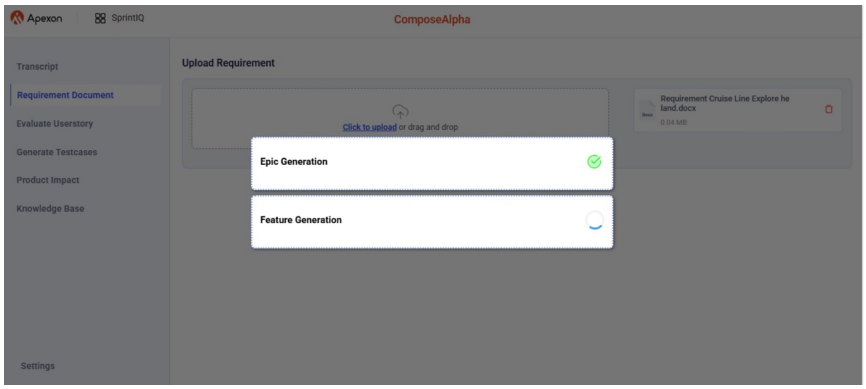
3. You can export these artifacts as CSV files. If required, you can edit any of these artifacts.
4. You can also add these artifacts to your configured Jira project.

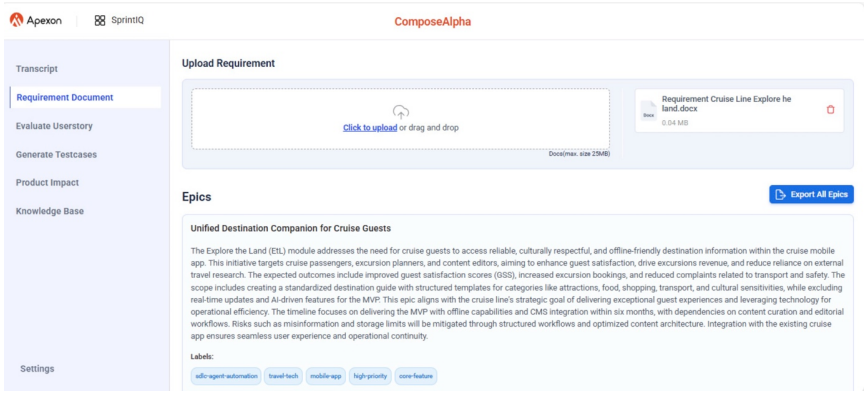


- Similarly, we can do with the **Requirement Document**

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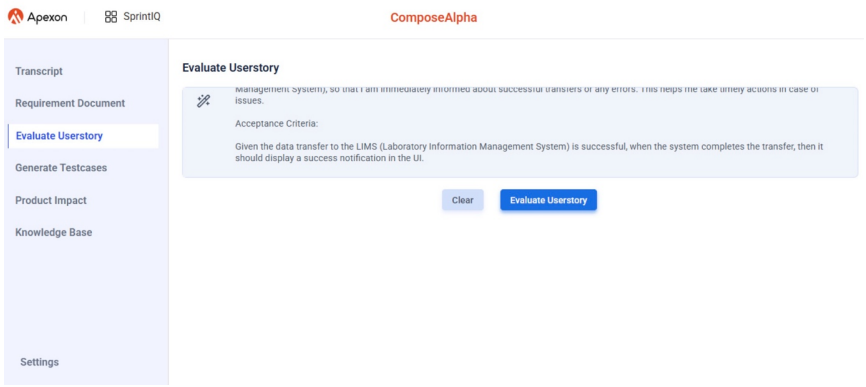


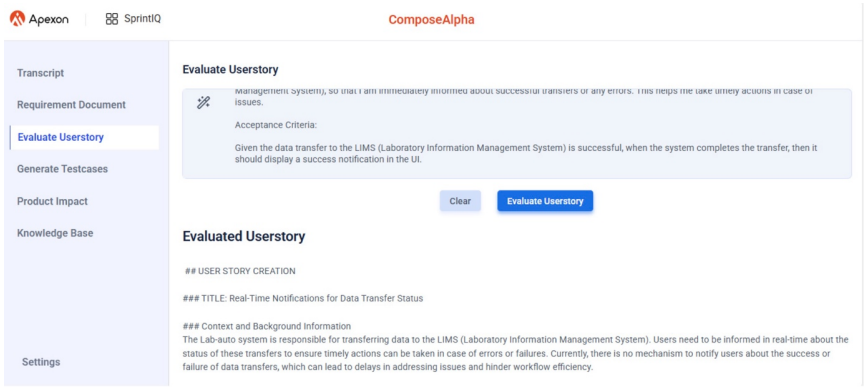


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2.3.3. Evaluate User Story:

1. In this You will have to provide a User Story for Evaluation.
2. It will return comprehensive analysis of the provided user story and will also give the revised user story.

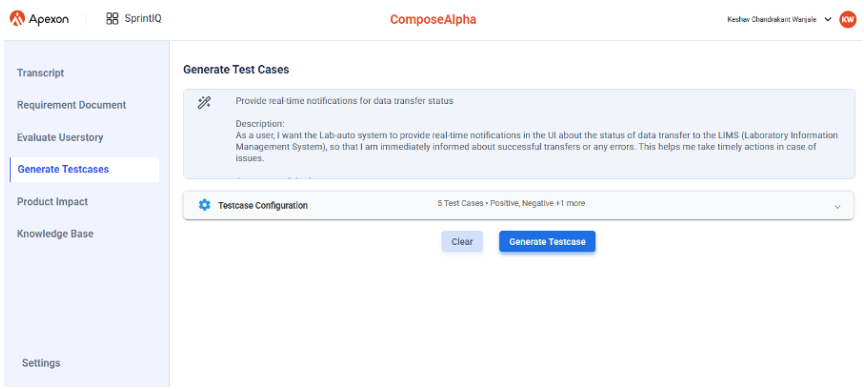




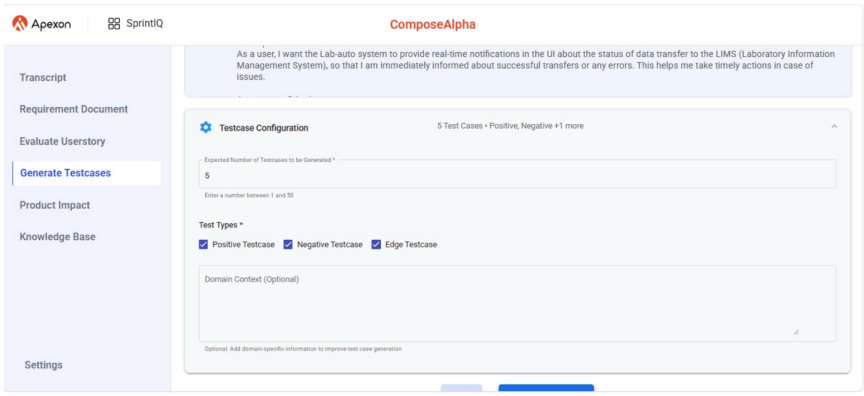
2.3.4. Generate Testcases:

1. In this, you will have to provide a User Story for Testcases generation.

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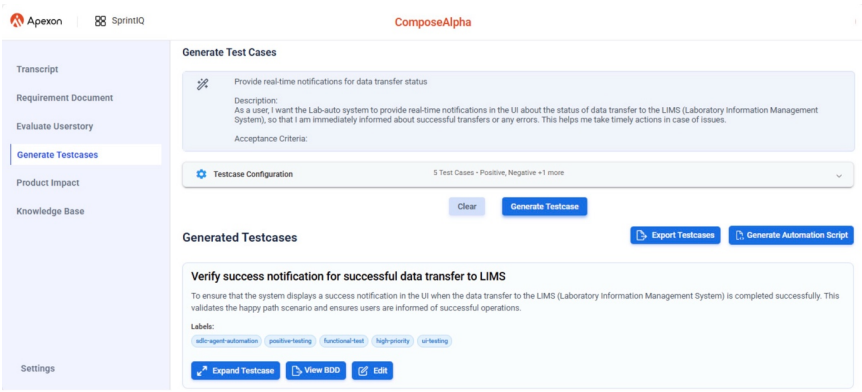


2. In this, you can configure number of testcases, type of testcases (Positive, Negative, Edge) and domain context for that testcases.



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3. It will return comprehensive Test Cases for the given user story.

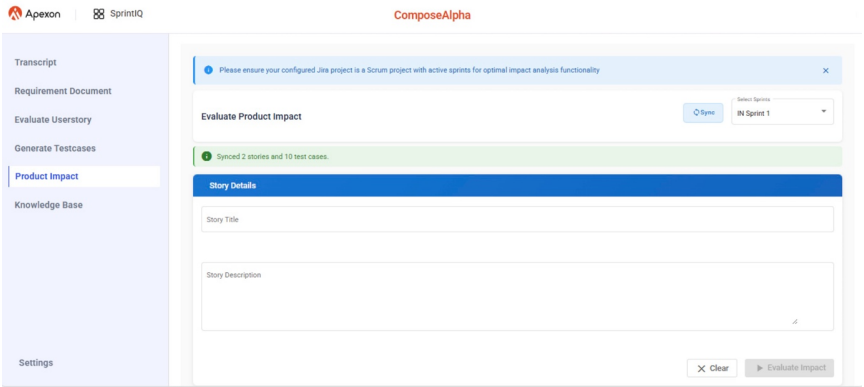


4. You can edit these testcases and export them as a CSV.

2.3.5. Product Impact:

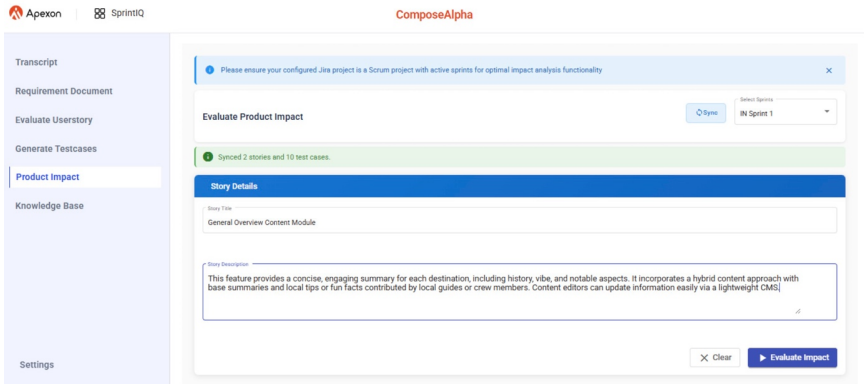
Note: Make Sure your Jira project is Scrum, and you have sprints in your Jira project

1. Click on the sync button, make sure you get sprints, you can select sprint.

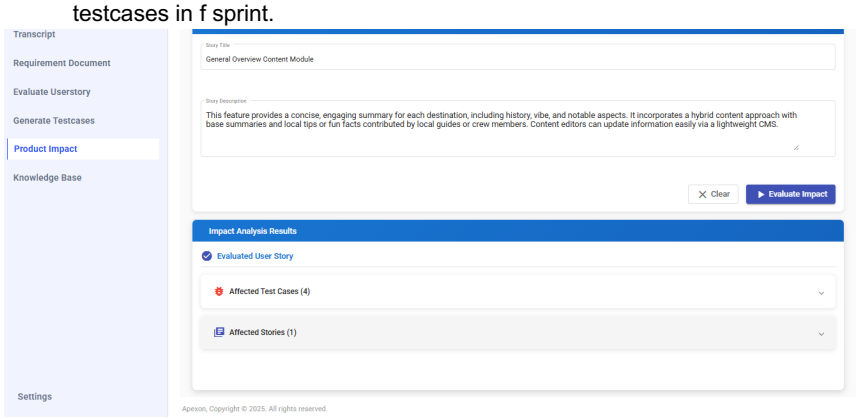


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2. Provide Story info that you are going to add to your sprint (story title and description).



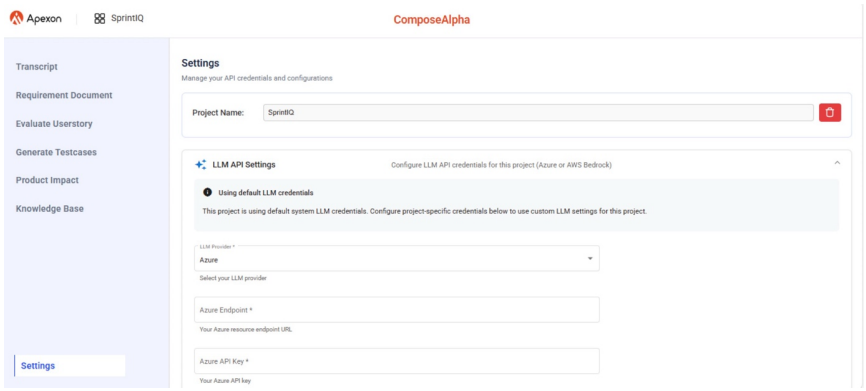
3. Click on the Evaluate Impact button, it will do impact analysis based on stories and testcases in f sprint.



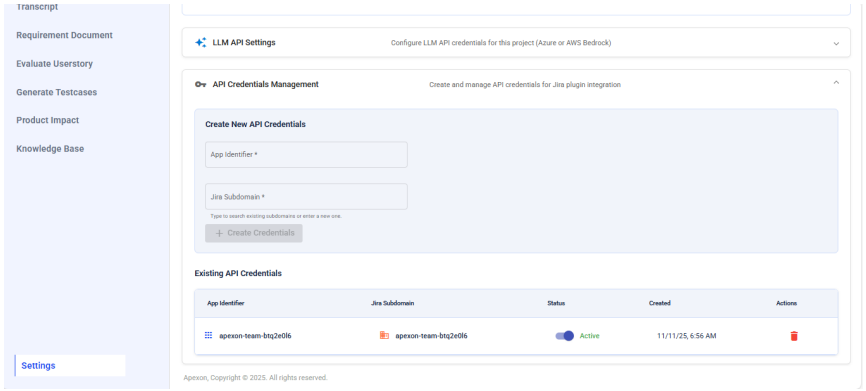
2.3.6. Settings

1. Settings tabs consist of:
   - LLM API Settings: You can configure your own LLM models. This is optional. By default, we will use the Azure OpenAI GPT-4o model. You can choose any LLM model Provided by Azure or AWS Bedrock.

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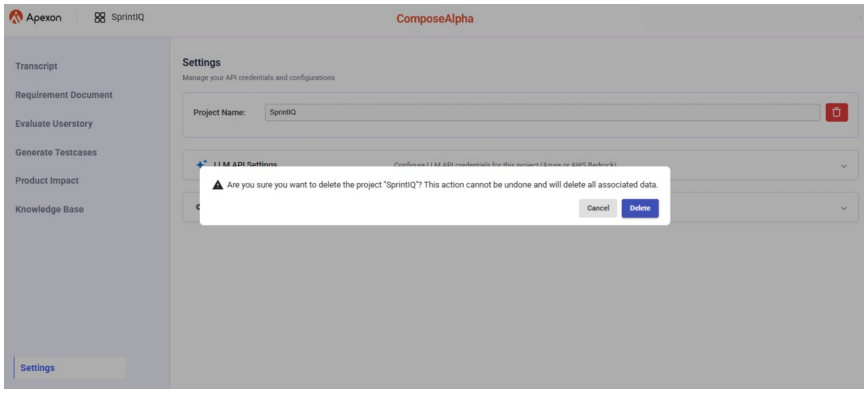
- API Credential Management: This is where we create the credentials that to be used while setting up ComposeAlpha Jira Plugin Which will have all the functionalities provided by ComposeAlpha Web portal inside Jira Forge APP. You Will have to provide random app identifier and Jira subdomain where you have/will install the ComposeAlpha plugin



2.3.7. Project Deletion

You can also delete the project from settings.

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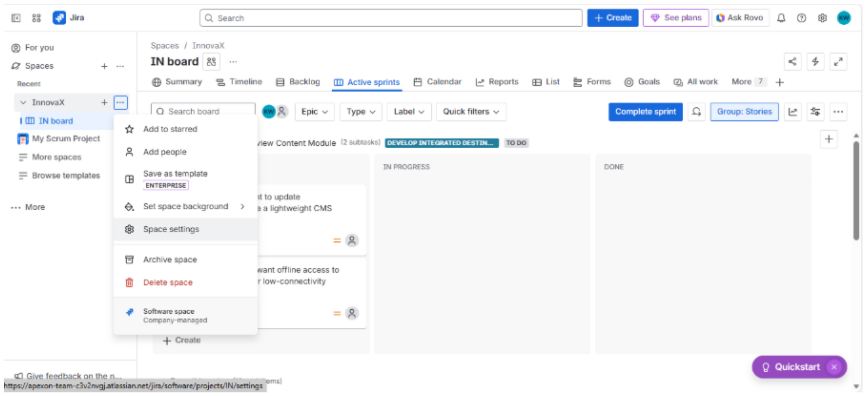


3. ComposeAlpha Plugin

Note: If you want to use Jira plugin, you will have to crate API credentials using you Jira domain from ComposeAlpha web portal that will work with all the projects in your provided Jira domain. (That's the only thing we need to get from ComposeAlpha Web)

Make sure you have installed ComposeAlpha Plugin And done the setup provided in installation guide: ComposeAlpha - Installation Guide.docx

In Jira Open **Project settings → Apps → ComposeAlpha**



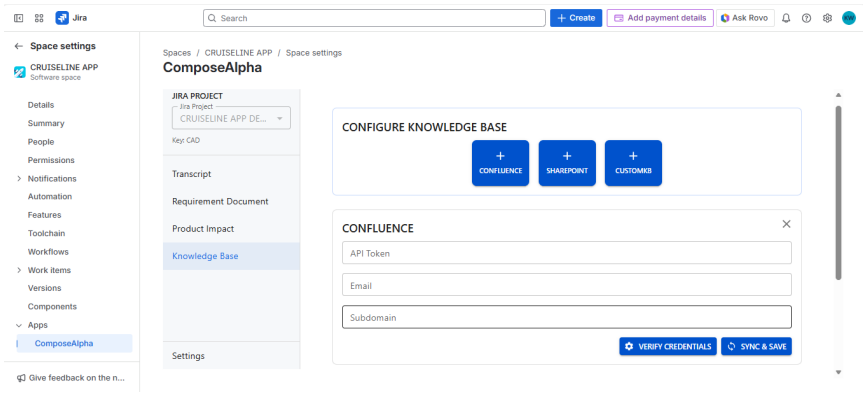
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3.1. Functionality (Similar to web portal)

3.1.1. Knowledge Base Tab:

You can configure the knowledge base with three options

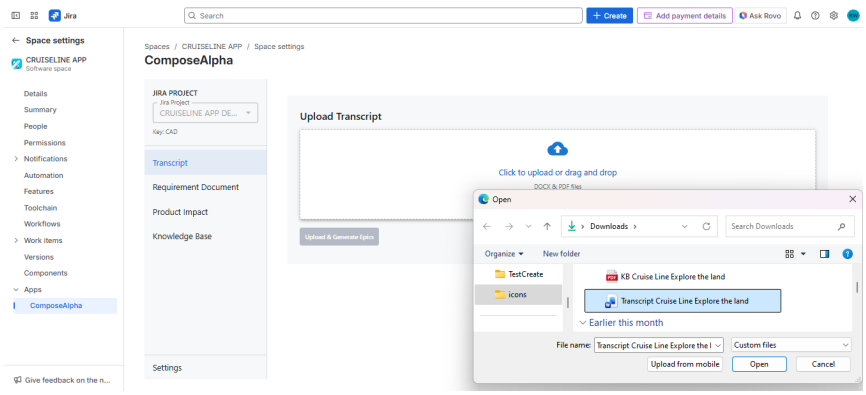
1. **Custom KB:** Upload the PDF document which contains Abbreviations used in industry, industry best practices, etc.
2. **SharePoint:** Provide your SharePoint URL and it will fetch all the documents from SharePoint.
3. **Confluence:** Provide Confluence credentials- Atlassian API token, email, Confluence subdomain then syncs the documents from Confluence.

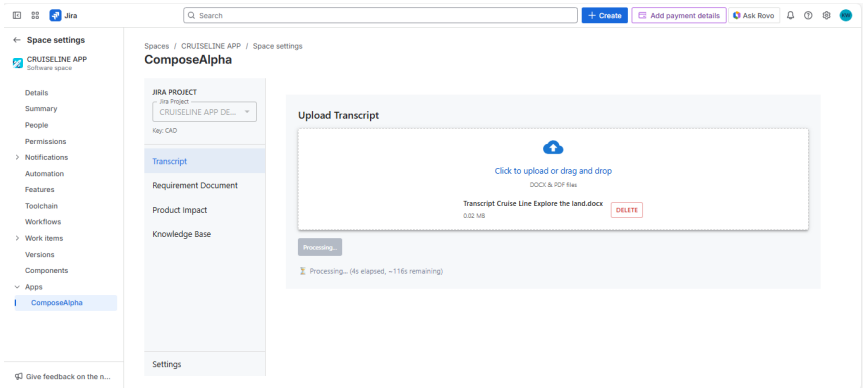


3.1.2. Transcript/Requirement:

- Start with any of these tabs as the final output of both tabs is the same.
- Upload your document and it will generate Epic, Feature, and User Story. You can then generate Test Case for each User Story.

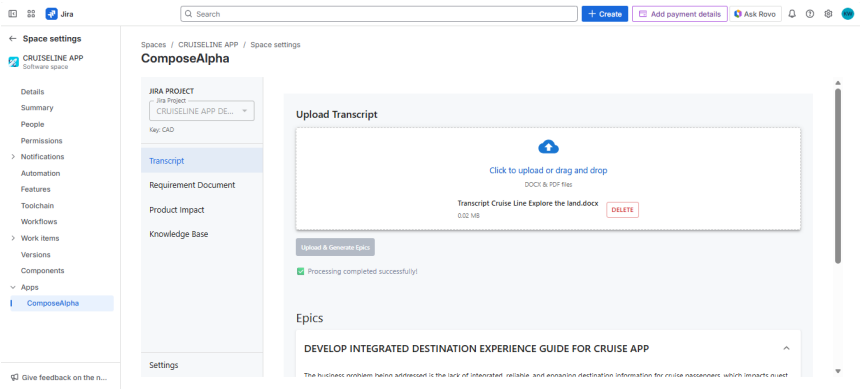
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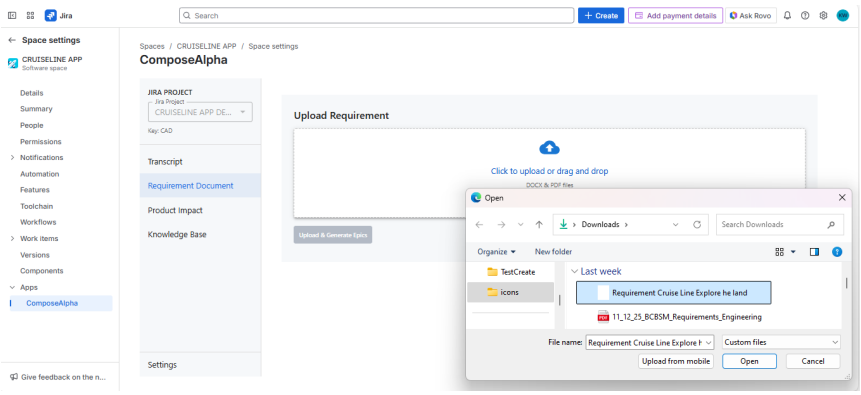


- You can export these artifacts as CSV files. If required, you can edit any of these artifacts.
- You can also add these artifacts to your configured Jira project.

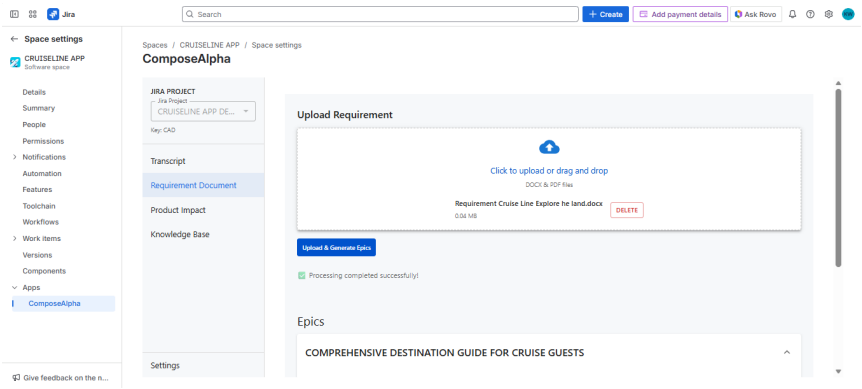
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Similarly, we can do from the **Requirements Document** tab.



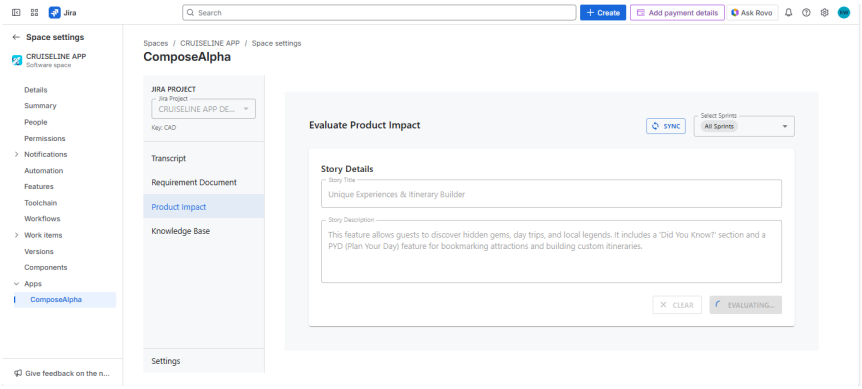
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3.1.3. Product Impact:

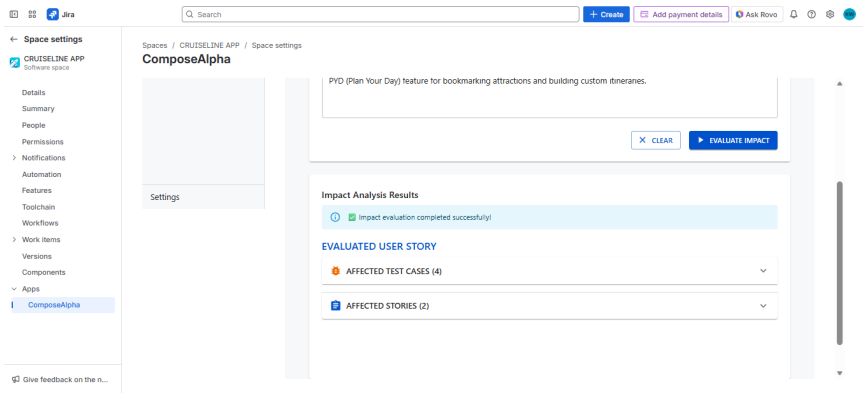
Note: Make Sure your Jira project is Scrum, and you have sprints in your Jira project

- Click on the sync button, make sure you get sprints, you can select sprint.



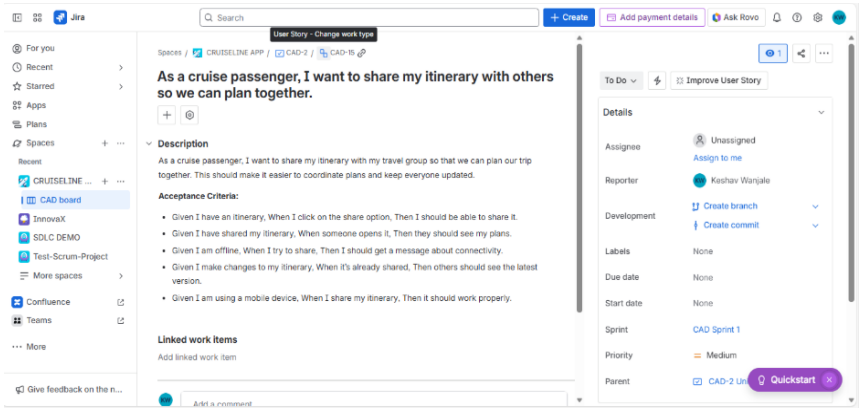
- Provide Story info that you are going to add to your sprint (story title and description).
- Click on the Evaluate Impact button, it will do impact analysis based on stories and testcases in sprint.

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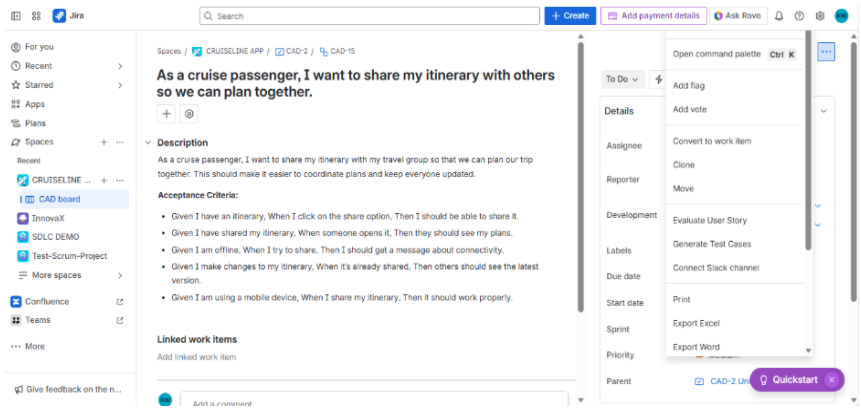


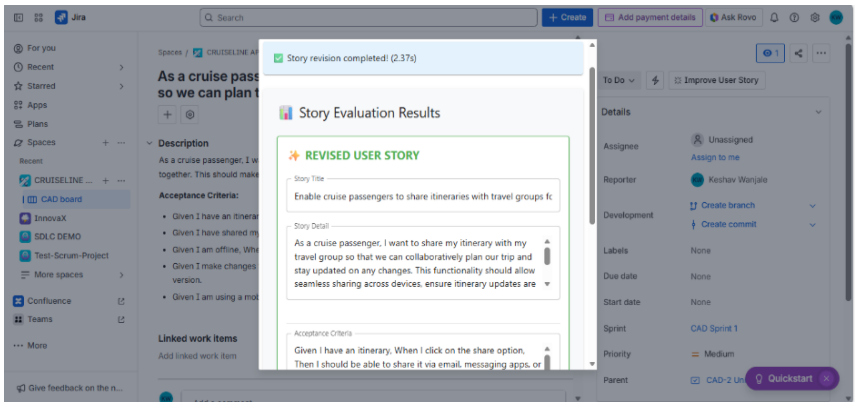
3.1.4. Evaluate User Story (Available on User Story Issue Actions)

1. Go to use story Issue in Jira, you will see actions buttons on top right, once you open that you will see evaluate user story button
2. It will return comprehensive analysis of the provided user story and will also give the revised user story.



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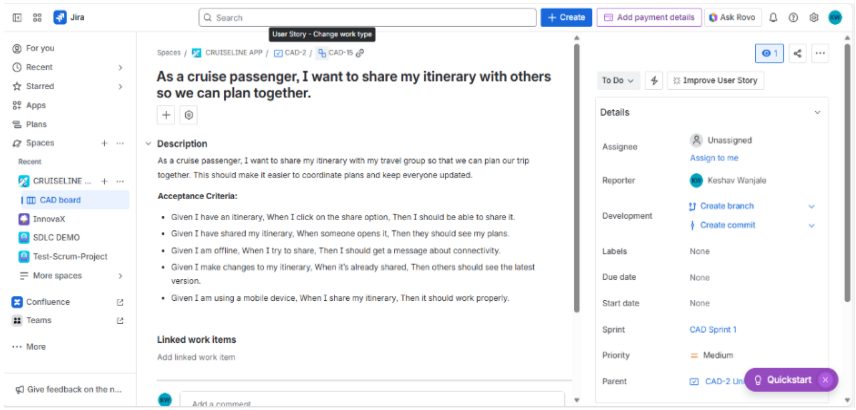


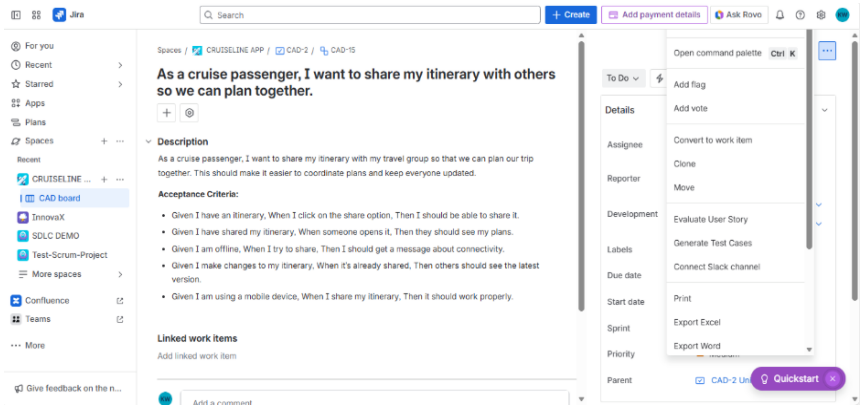


3.1.5. Generate Testcases (Available on User Story Issue Actions)

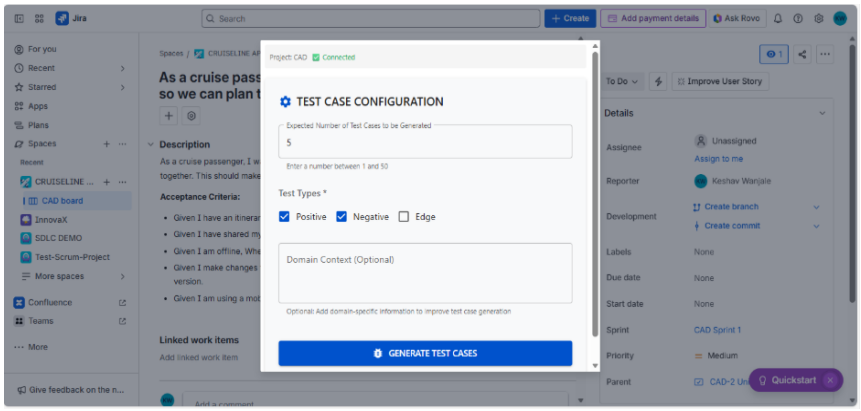
1. Go to use story Issue in Jira, you will see actions buttons on top right, once you open that you will see Generate Testcases.

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2. It will return comprehensive testcases for the given user story.

3.1.6. Settings

Note: We have already done this setup in pre-requisites.

Settings consist of:

- API Settings: Set API credentials which we created from the web version.
- LLM API Settings: You can configure your own LLM models. You can choose any LLM model Provided by Azure or AWS Bedrock.

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4. Troubleshooting & FAQs

4.1. Common Issues and Resolutions

Issue	Possible Cause	Recommended Action
Jira connection fails during verification	Incorrect API Token, email, or subdomain	Double-check credentials under **Configurations > Jira**, then re-click **Verify Jira Connection**.
Confluence or SharePoint not syncing	Expired token or wrong site URL	Refresh token in Atlassian Account Settings or verify SharePoint site URL format.
Azure OpenAI validation fails	Endpoint or key mismatch	Confirm the endpoint (e.g., https://<resource>.openai.azure.com) and that the key matches the correct deployment.
AI generation takes longer than expected	Large input files or high concurrency	Use smaller transcripts/documents (< 10 MB recommended) or try again during off-peak hours.

4.2. General FAQs

Q1. Can multiple users access the same configuration?

→ Yes. Project Admins can configure shared API and Azure OpenAI settings at the project level.

Q2. Does the plugin store any data outside my Jira environment?

→ No. All data stays within your Jira Cloud tenant and connected repositories (Confluence, SharePoint, Custom KB).

Q3. How are generated artifacts saved?

→ They're created in draft mode; you can review before committing to Jira.

Q4. What if I lose access due to token expiration?

→ Re-authenticate under **Settings → API Credentials Management** and click **Validate**.

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Q5. Is re-installation needed after updates?

→ No. The plugin auto-updates via Atlassian Marketplace; only configuration re-validation may be required.

Q6. Can I reuse an API key across different Jira domains or projects?

→ No. Each API key is **domain-bound**, meaning it is tied to the specific Jira site where it was generated.

If you attempt to reuse it in another Jira domain or workspace, the system will reject it. This design prevents unauthorized cross-domain access and ensures strict data isolation for every environment.

Q7. How are API and Azure OpenAI keys protected within ComposeAlpha?

→ All sensitive keys and tokens are **encrypted using PBKDF2HMAC** with salted hashing before storage. During transmission, they are secured with **TLS 1.2 or higher** encryption. This ensures keys cannot be extracted or misused even if system files are accessed. Only authorized Project Admins can view and update credentials through the Settings interface.

……..End of Document……

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