

# ASCENDION

## Ascendion AVA Digital Ascender-Platform

Trial access instructions

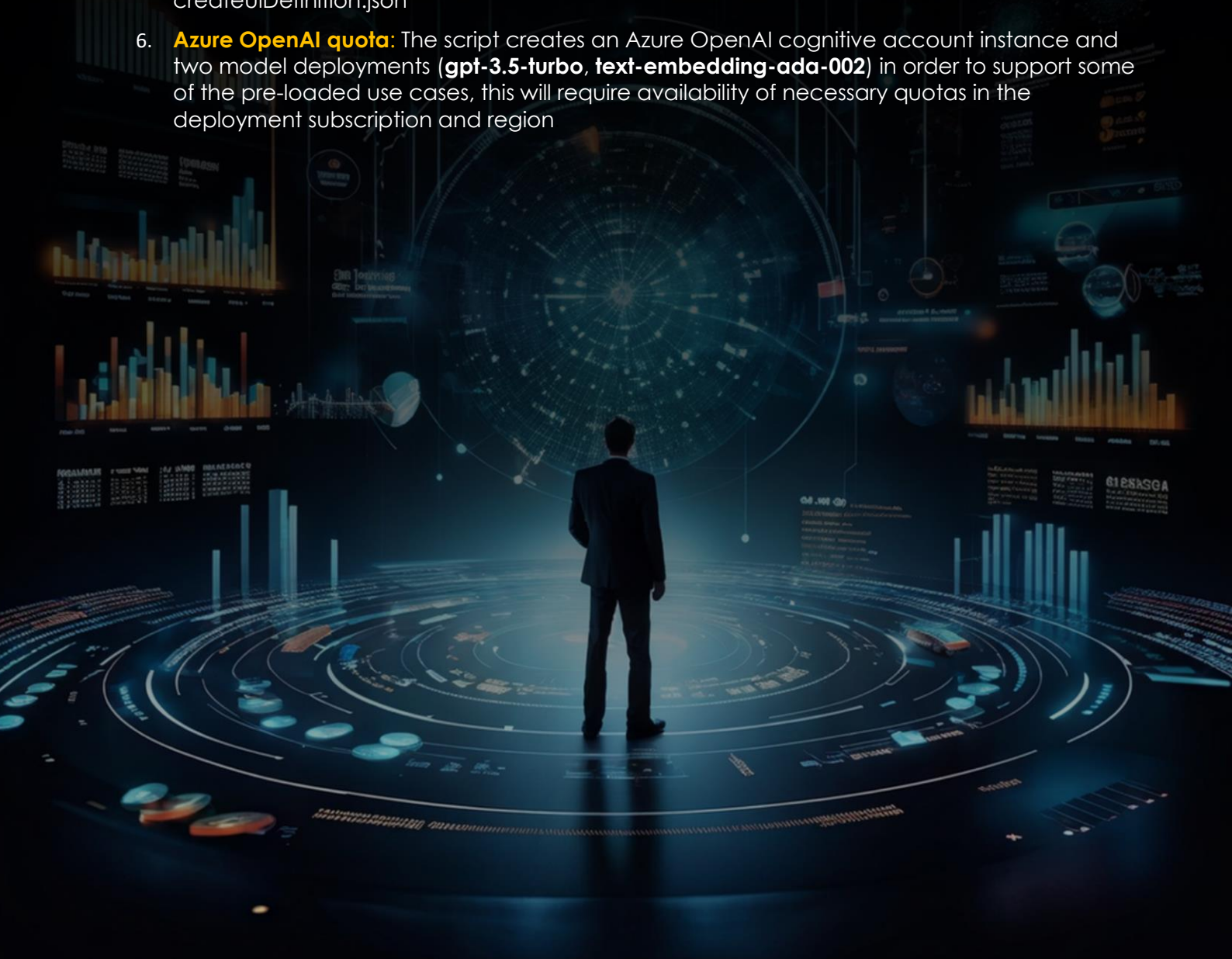


# INDEX

<b>INSTRUCTIONS</b> .....	<b>3</b>
A. Guest Access .....	3
B. Digital Ascender Platform Offerings .....	3
C. Prompt Creation.....	3
D. Model Linking.....	3
E. Collections.....	4
F. Use cases.....	4
G. Agents and pipelines .....	4
H. Pipelines, on the other hand, are sequences of steps or tasks that are executed to achieve a desired outcome.....	5
I. GuardRail .....	5
J. Analytics .....	6
K. Chatbot .....	6
L. Playground - The Playground is a space to explore, experiment, and test the capabilities of AI. Users can interact with AI models in various ways, from simple conversations to complex tasks. ....	7
M. How to Use the Playground: .....	7
N. Select your Usecase: Type your request, question, or statement into the input field. ....	7
O. Get a response: The AI model will process your input and generate a response. ....	7
P. Experiment: Try different prompts and see how the AI responds.....	7
Q. Consumptions mode for Using Ascendion Gen AI platform .....	7

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1. **Web Portals:** The application includes two web portals:
  - o **AVA+ Core GenAI platform:** <https://da-admin-{deploymentName}.azurewebsites.net/admin/>
  - o **AVA+ Core GenAI Demo User Consumption Portal:** <https://da-portal-{deploymentName}.azurewebsites.net/newportal/> (Note: Replace {deploymentName} with the value provided in the 'Basics' screen as defined in createUiDefinition.json.)
2. **Authentication:** Both portals are authenticated via **Azure Entra ID**.
3. **App Registration:**
  - o In the deployment subscription, create an **App Registration**.
  - o Provide the following in the 'Authentication' screen as defined in createUiDefinition.json:
    - directoryId
    - clientId
    - secret
4. **Redirect URIs:** After deployment, add the following as redirect URIs for SPA applications in the app registration:
  - o <https://da-admin-{deploymentName}.azurewebsites.net/admin/>
  - o <https://da-portal-{deploymentName}.azurewebsites.net/newportal/>
5. **Database:** User needs to provide the database use id (PostgreSQL Admin Username) and database password (PostgreSQL Admin Password) in the 'Database' screen as defined in createUiDefinition.json
6. **Azure OpenAI quota:** The script creates an Azure OpenAI cognitive account instance and two model deployments (**gpt-3.5-turbo**, **text-embedding-ada-002**) in order to support some of the pre-loaded use cases, this will require availability of necessary quotas in the deployment subscription and region





## Instructions

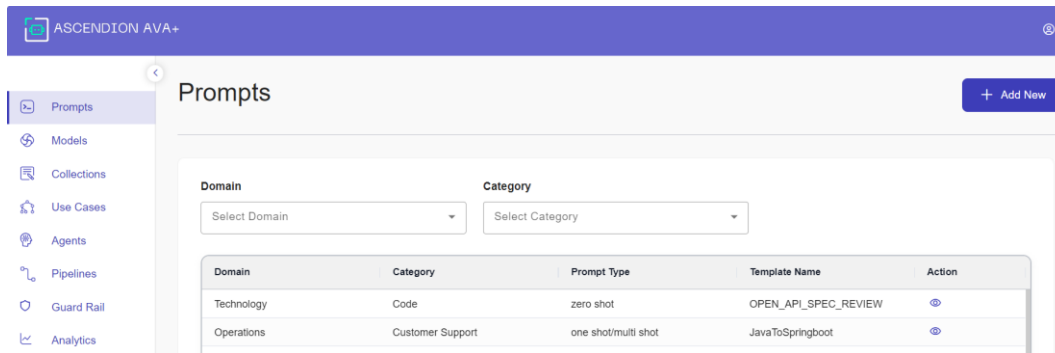
### Guest Access

1. The interface takes in Azure Entra ID credentials, which require users to set up the app registry in their Azure tenant ID
2. Redirect URLs for single page app should be added to the app registry after the deployment (Deployment Name value - <https://da-admin-{deploymentName}.azurewebsites.net/admin/>, <https://da-portal-{deploymentName}.azurewebsites.net/newportal/>)

## Digital Ascender Core GenAI Platform Offerings

### A. Prompt Creation

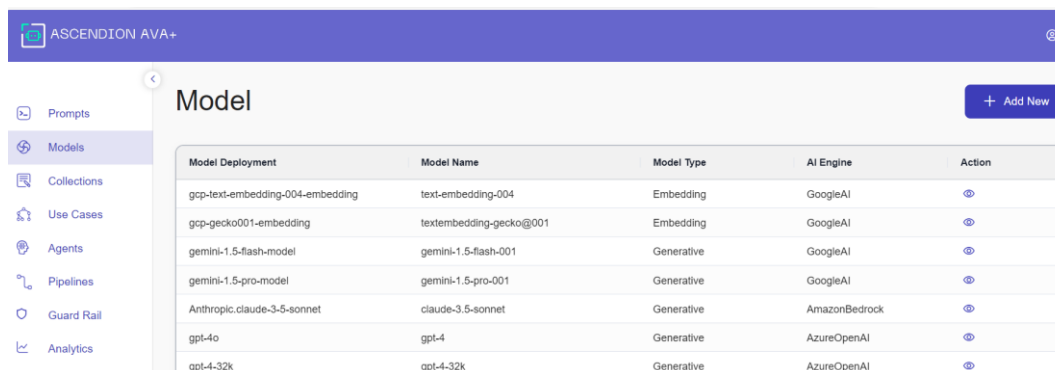
Ascendion's collection of prompts is designed to inspire creativity and guide AI interactions. Whether you're a writer, a student, or an engineer curious about the capabilities of AI, these prompts can help you explore new ideas and generate interesting capabilities.



### B. Model Linking

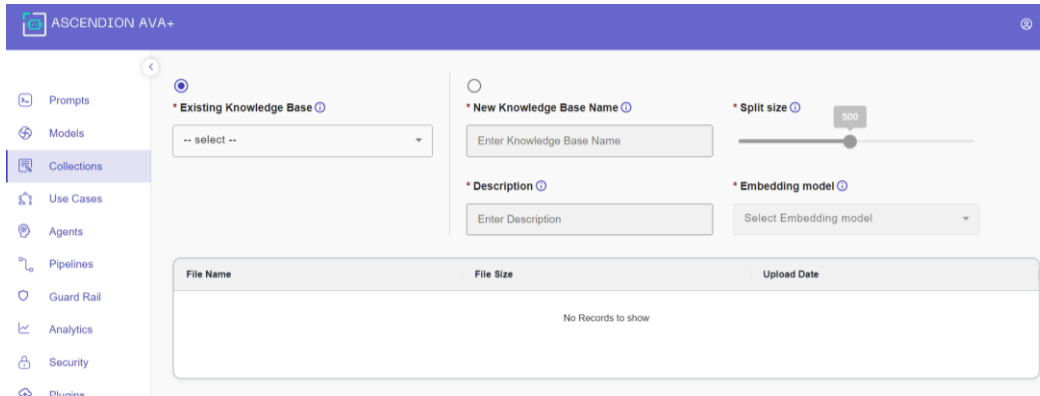
We envision a future where AI is accessible to everyone, empowering individuals and businesses to achieve remarkable outcomes. Our platform is a step towards realizing this vision by breaking down barriers and providing democratized access to AI technology.

However, navigating the vast and diverse ecosystem of AI models can be challenging. Our platform simplifies this by offering a unified interface that seamlessly connects users to a variety of open AI models, delivering flexibility and convenience.



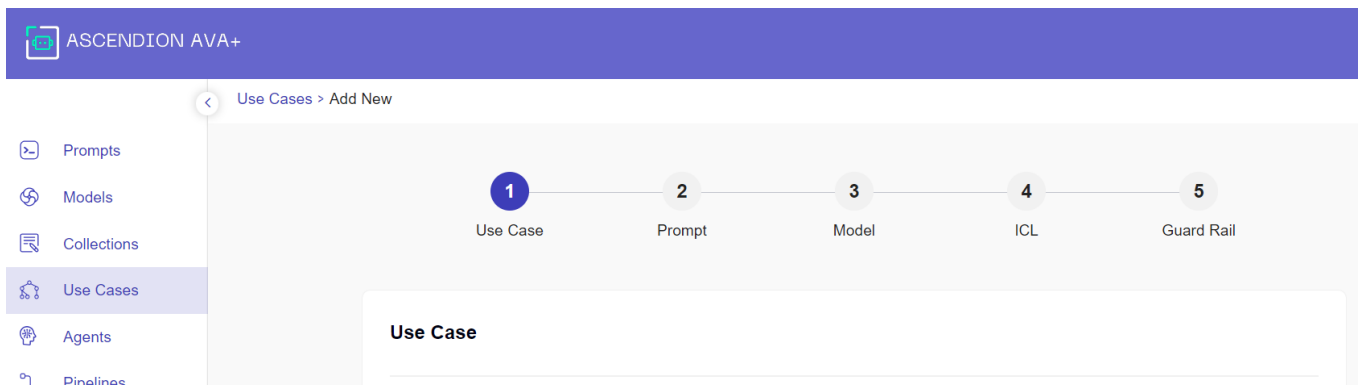
### C. Collections

This feature combines the strengths of traditional information retrieval systems with the capabilities of generative large language models (LLMs). Retrieval-Augmented Generation (RAG) systems enhance the accuracy, relevance, and informativeness of AI-generated responses by accessing and incorporating relevant external knowledge.



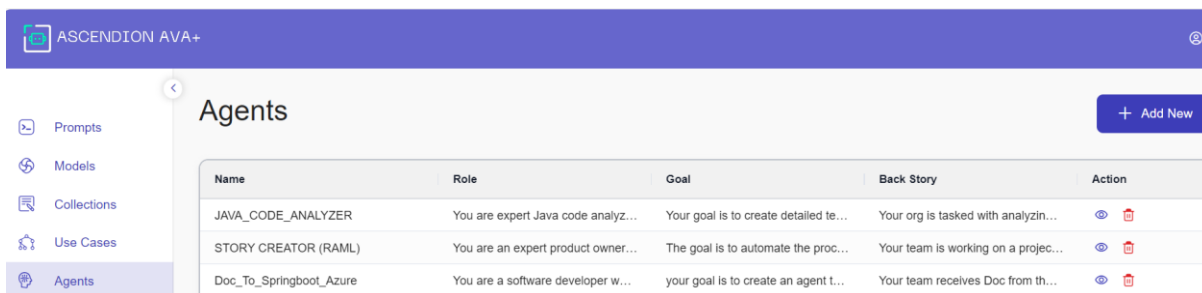
### D. Use cases

This feature enables users to map out tasks using different prompts, models, context learning, and guardrails, allowing for tailored AI interactions.

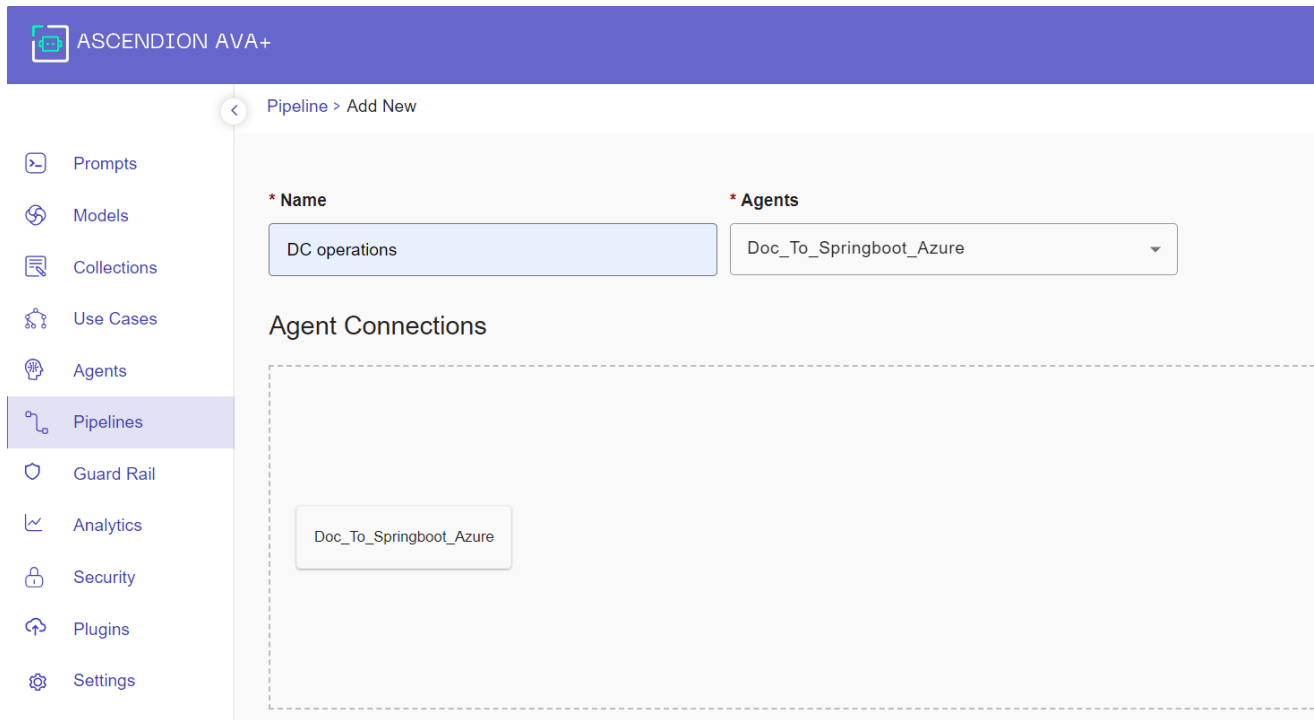


### E. Agents and pipelines

Agents and pipelines are essential components of modern AI systems, enabling complex tasks and intelligent behaviors. Agents are autonomous entities that can perceive their environment, reason for their actions, and learn from experience.

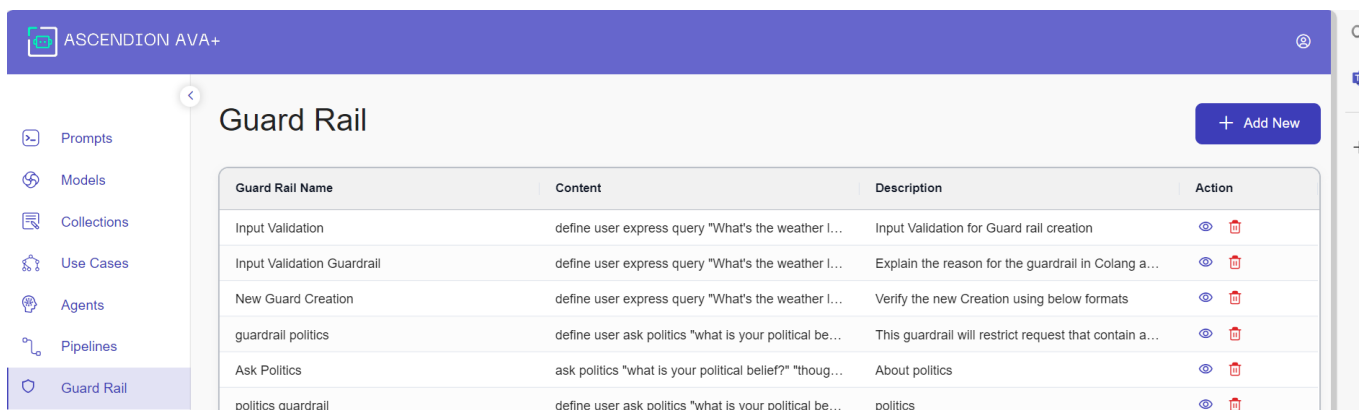


**F. Pipelines**, on the other hand, are sequences of steps or tasks that are executed to achieve a desired outcome.



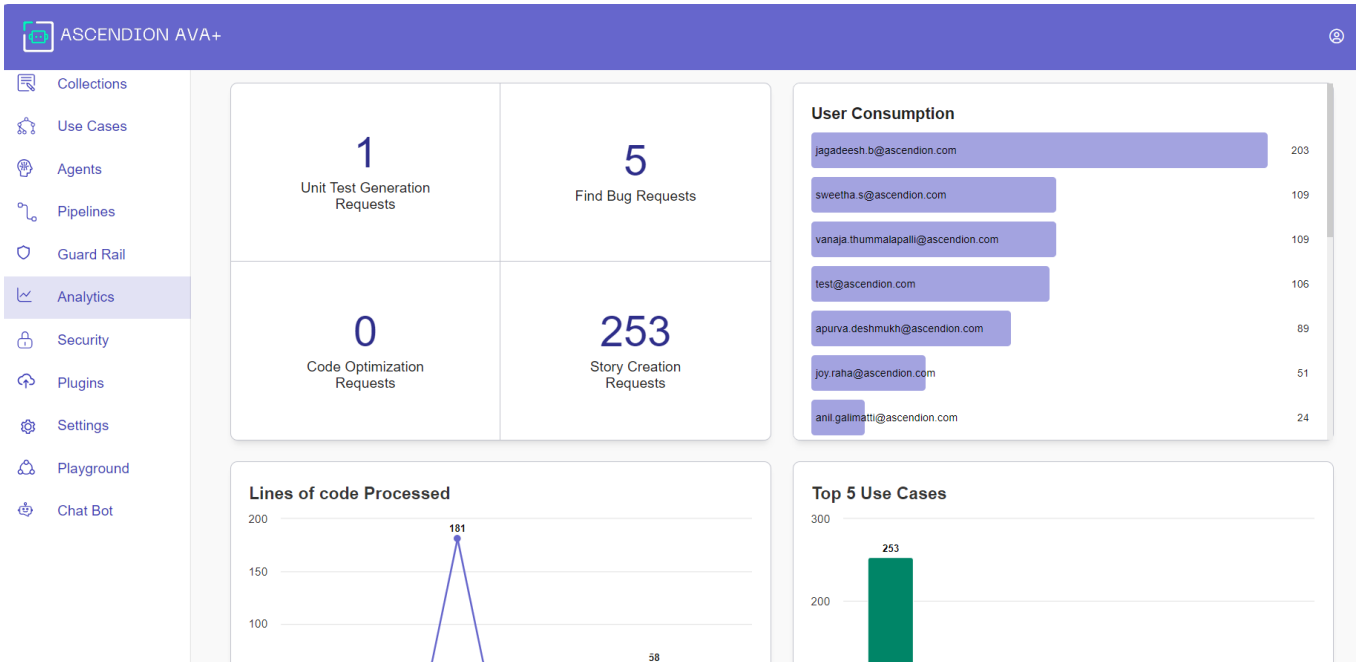
**G. GuardRail**

In the realm of generative artificial intelligence (GenAI), guardrails are sets of guidelines designed to ensure responsible AI use. They act as safeguards, preventing AI from generating harmful or inappropriate content. Guardrails can be manually added by users to protect their specific use cases.



## H. Analytics

- This feature offers a single view for tracking various metrics, providing insights into platform usage and more.



## I. Chatbot

- Users can create their own chatbot with a respective knowledge base, train it in a single click, and deploy it for testing.

1 Definition 2 Context 3 Model 4 Guard Rail 5 UI

**Definition**

\* Organization: Select an Organization  
\* Domain: Select a Domain  
\* Project: Select a Project  
\* Team: Select a Team

\* Chatbot Name: Enter Chatbot Name

\* Description: Enter Chatbot Description

- J. Playground** - The Playground is a space to explore, experiment, and test the capabilities of AI. Users can interact with AI models in various ways, from simple conversations to complex tasks.

How to Use the Playground:

1. Select your Usecase: Type your request, question, or statement into the input field.
2. Get a response: The AI model will process your input and generate a response.
3. Experiment: Try different prompts and see how the AI responds.

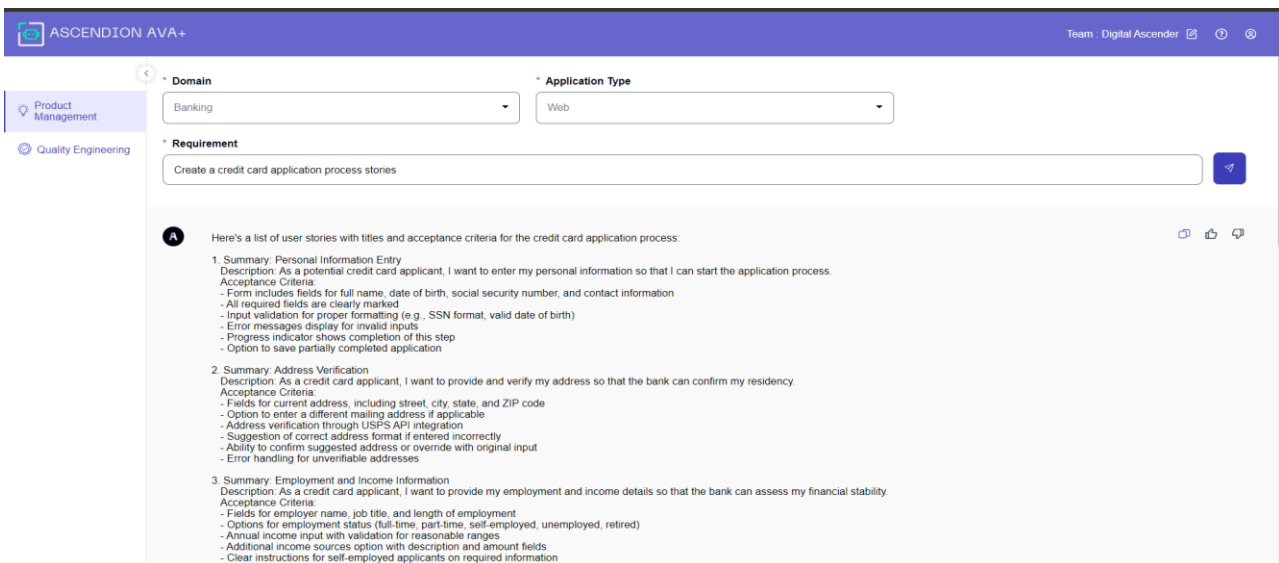


## Consumptions mode for Using Ascendion Gen AI platform

### a. Web Portal

Example:

Product development for user stories creation





## Example: Quality engineering for test case generations

The screenshot displays the ASCENDION AVA+ Quality Engineering interface. At the top, there is a navigation bar with the logo and the text 'ASCENDION AVA+'. On the right side of the bar, it says 'Team - Digital Ascender'. Below the navigation bar, there are three dropdown menus: 'Domain' (set to 'Banking'), 'Application Type' (set to 'Web'), and 'Mode' (set to 'Default'). Below these menus, there is a 'Requirement' field containing the text 'Create a credit card application process'. To the right of this field is a blue button with a white arrow. Below the requirement field, there is a large text area containing generated test scenarios in Gherkin syntax. The text starts with 'Certainly! Below are the test scenarios for the user story "Create a credit card application process" in Gherkin syntax format. The scenarios are grouped by user personas and cover valid, invalid, and edge cases, including user interface screen validations, mandatory field validation, and multiple test data combinations.' It then lists acceptance criteria, user personas (Guest User, Registered User), and test scenarios for a Guest User, including a scenario for successfully submitting a credit card application form with valid data.

### b. API – API integration with GenAI platform

Sample Request -

#### Header -

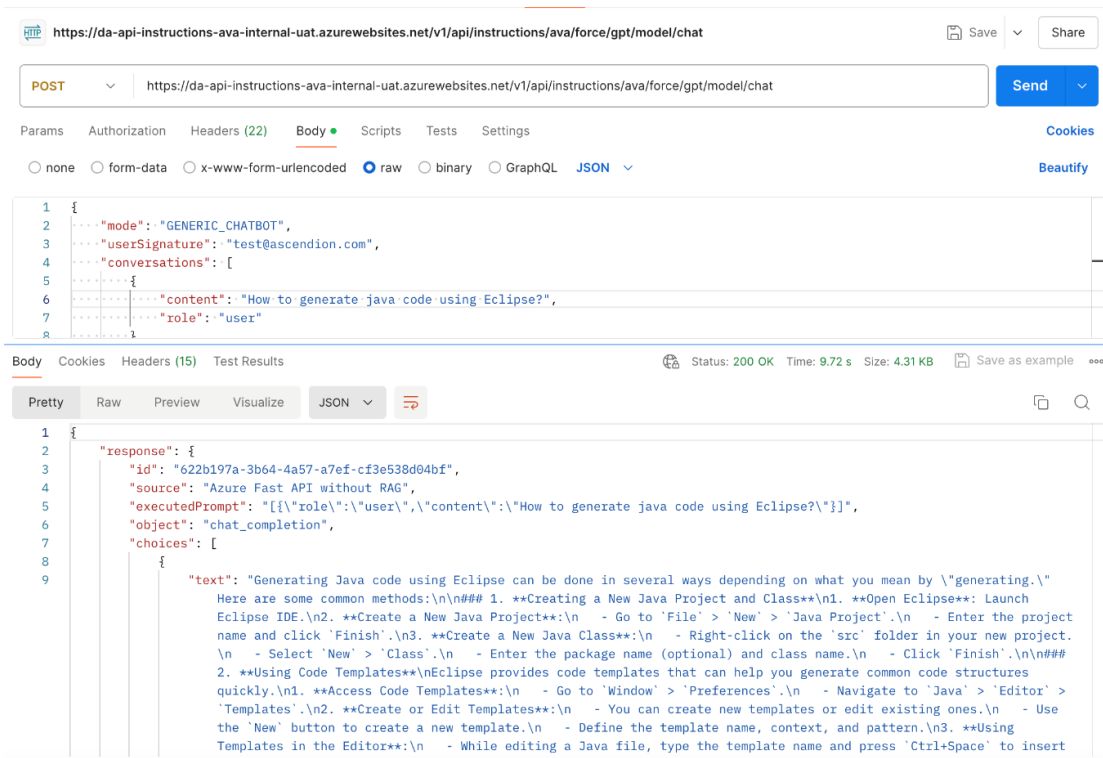
Accept: application/json

Content-type: application/json

access-key: [Access Key Generated in Core GenAI admin]

#### Payload -

```
{
  "mode": "USE_CASE_NAME",
  "userSignature": "abc@ascendion.com",
  "conversations": [
    {
      "content": "How to generate java code using Eclipse?",
      "role": "user"
    }
  ],
  "useCaseIdentifier":
  "USE_CASE_NAME@ASCENDION@PLATFORM_ENGINEERING@AVA@DIGITAL_ASCENDER"
}
```



### C. Plugins

- For access to Plugins, please contact us at [abc@Ascendion.com](mailto:abc@Ascendion.com).
- What does this offer? Users will have access to a comprehensive list of available plugins for download.
- Developers can access Digital Ascender (DA) use cases within the Plugin by navigating to the Code section, right-clicking on the desired code snippet, and selecting the applicable use case from the provided options.

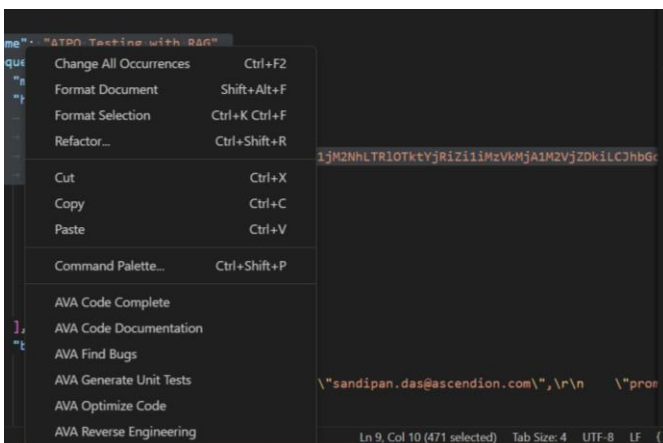


Fig: Command Options from Visual Studio Code Plugin

## **Key feature is the Code Section:**

- AVA Code Complete - Utilizes natural language processing to comprehend selected code segments and assist in completing the remaining portions intelligently.
- AVA Code Documentation - This feature helps developers generate inline documentation for their code, including brief descriptions of variables and other relevant details.
- AVA Find Bugs - Leverages advanced algorithms to analyze selected code and identify potential bugs or issues.
- AVA Generate Unit Tests - This use case automatically generates relevant unit test cases for the selected code, facilitating thorough testing and validation.
- AVA Optimize Code - This use case employs sophisticated techniques to optimize the selected code, improving its performance, efficiency, and maintainability.
- AVA Reverse Engineering - This use case translates code into plain English, aiding in comprehension and knowledge transfer, particularly for non-technical stakeholders.