Connect to Jira Utility using Python

Implemented the following

**1.Create issue** (POST /rest/api/2/issue)

Creates an issue or, where the option to create subtasks is enabled in Jira, a subtask. A transition may be applied, to move the issue or subtask to a workflow step other than the default start step, and issue properties set.

**2. Get create issue metadata** (GET /rest/api/2/issue/createmeta)

Returns details of projects, issue types within projects, and, when requested, the create screen fields for each issue type for the user. Use the information to populate the requests in create issues.

**3. Get issue (**GET /rest/api/2/issue/{issueIdOrKey})

Returns the details for an issue.

The issue is identified by its ID or key, however, if the identifier doesn't match an issue, a case-insensitive search and check for moved issues is performed. If a matching issue is found its details are returned, a 302 or other redirect is not returned. The issue key returned in the response is the key of the issue found.

**4.Delete issue** (DELETE /rest/api/2/issue/{issueIdOrKey})

Deletes an issue.

An issue cannot be deleted if it has one or more subtasks. To delete an issue with subtasks, set deleteSubtasks. This causes the issue's subtasks to be deleted with the issue.

**5.Get all projects** (GET /rest/api/2/project)

Returns all projects visible to the user.

**6.Create user** (POST /rest/api/2/user)

Creates a user. This resource is retained for legacy compatibility. As soon as a more suitable alternative is available this resource will be deprecated.

**7.Get all dashboards**(GET /rest/api/2/dashboard)

Returns a list of dashboards owned by or shared with the user. The list may be filtered to include only favorite or owned dashboards.

To Implement the Jira using REST API in Python follow the below steps

1.Create an Account on Jira Cloud (free version)

2.Create a domain on Jira cloud

Eg: “https://domain-name.atlassian.com/”

“https://jira-project.atlassian.com/”

3. Create an Api-Token

Create an API token from your Atlassian account:

Log in to <https://id.atlassian.com/manage/api-tokens>.

1.Click Create API token.

2.From the dialog that appears, enter a memorable and concise Label for your token and click Create.

3.Click Copy to clipboard, then paste the token to your script, or elsewhere to save.

On your Laptop / Computer perform following steps

1.Install Python 3.4 and above version on System

2.Install a Python code editor (I’m using VS-Code )

3.Install required packages and extensions on editor and system

4.Open JiraAPI.py file in your editor

5.Check Auth and URL and enter it accordingly as per you

6.If required packages and extensions are not installed

Run command (windows 10) py -m pip install requests

py -m pip install pandas

7.Then run command py filename.py (jirapi.py) (windows 10)

Note : if you are working on different operating systems there are different commands other than windows 10 try “python “ instead of “py”

This is for cloud version of Jira