**JIRA Integration with Python**

For integrating JIRA with Python you need to follow below steps:

1. Firstly you should have access to JIRA environment.
2. Create token using  <https://id.atlassian.com/manage/api-tokens>

Just visit the above link and click on “Create API Token” button then provide any suitable label to the token and click on “Create” button. It will create the token that we can use further in our python code.

1. To connect with the Python JIRA client, use your email address as the username, and the token value as the password.

# Import all required packages and authentication information

from jira import JIRA

server = 'https://gileadccloud.atlassian.net'

username = ‘email\_id’

Token= 'EBm2UidWiY2LrfWVZiVRAFBD'

**# create JIRA object.**

jira = JIRA(basic\_auth=(username, Token), options={'server': server,’verify’:False})

**# create JIRA issue**

jira.create\_issue(project=’project\_name’, summary='xyz',description=’abc’, issuetype={'name': 'Task'},reporter={'name':str(username)})

**# Get all the issues present in “IB” project,**

Issue\_object = jira.search\_issues("project=IB", startAt=0, maxResults=50, validate\_query=True, fields=None, expand=None, json\_result=None)

**# Get all the fields like summary, description,etc. of the issue**

for issue in Issue\_object:

ticket\_number = issue

summary = issue.fields.summary # 'Field level security permissions'

description = issue.fields.description

issuetype = issue.fields.issuetype.name

reporter = issue.fields.reporter.name

assignee = issue.fields.assignee.name

created\_on = issue.fields.created

closed\_on = issue.fields.resolutiondate

**# Get information of issue using issue ID**

def get\_issue\_info(issue\_id):

issue = jira.issue(issue\_id)

print(issue.fields.description)

print(issue.fields.summary)

**get\_issue\_info("IB-70")**

**# Add a comment to the issue.**

def add\_comment(issue\_id):

issue = jira.issue(issue\_id)

jira.add\_comment(issue, 'This is for test.')

**add\_comment("IB-70")**