

A Guide to set up and run  
zap Jira extension.

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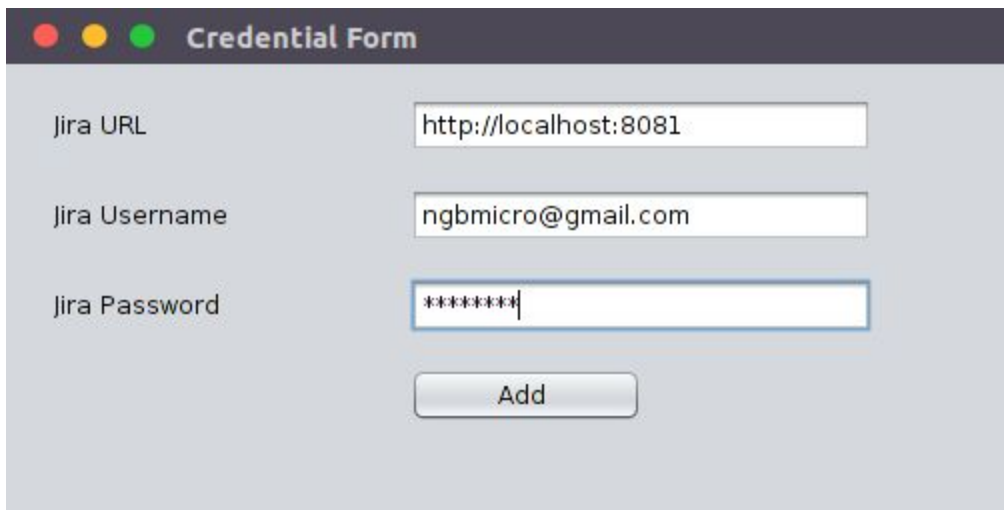
# 1.0 Installing the Plugin locally

## 1.1 GUI Mode

The plugin can be downloaded from [here](#).

The downloaded file is a *.zap* file and this can be imported to zap using *File -> Load add-on File (Ctrl + L)* .

The add on can be accessed under *Report -> Export to JIRA...*



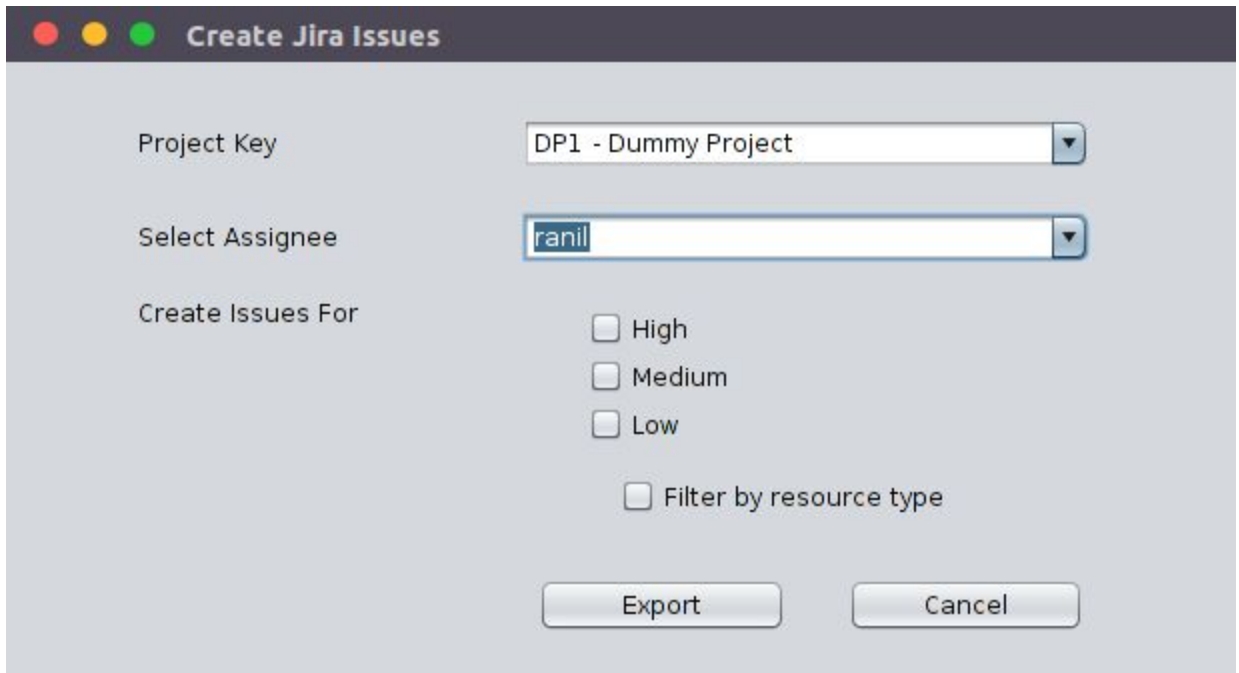
The screenshot shows a window titled "Credential Form" with a dark header bar. Below the header, there are three input fields arranged vertically. The first field is labeled "Jira URL" and contains the text "http://localhost:8081". The second field is labeled "Jira Username" and contains the text "ngbmicro@gmail.com". The third field is labeled "Jira Password" and contains seven asterisks "\*\*\*\*\*". Below these fields is a single button labeled "Add".

The credential form is to set up the jira credentials and this has to be done only once and upon successful completion the dialog box will not appear again. ( The credentials will be saved to a file called *cred.properties* in the *zap home directory*. )

**Note :** The credential file will be deleted during an authentication failure and therefore the user will be prompted to enter the credentials again during the next attempt to use the plugin.

Jira URL is the base url of jira.

When the *Report -> Export to JIRA...* is clicked for the second time the following window will appear.



The user is able to select the Project and assignee and the threat levels of the alerts to be exported. Also the user can use the filter by resource type to get a sorted list of resources in the created Jira issue.

## 1.2 Daemon mode

If ZAP is running in daemon mode the plugin should be placed under plugin in ZAP home folder. (.ZAP/plugin)

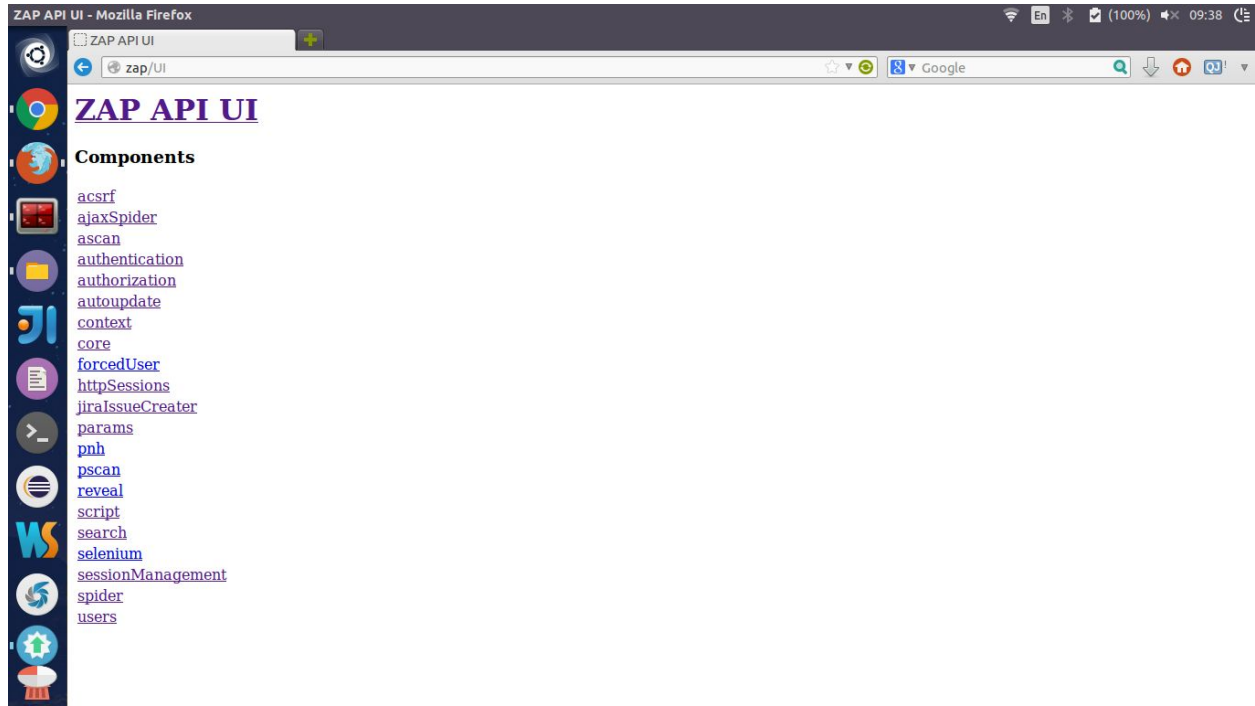
The plugin will still work if it has been installed in the UI mode.

ZAP can be started as a daemon with a command like the following.

```
/opt/ZAP_2.4.2/zap.sh -daemon -host localhost -port 8000 -config api.key=ZAPROXY-PLUGIN -dir /home/kausn/.ZAP
```

The API key should be `ZAPROXY-PLUGIN` in daemon mode.

The ZAP API can be accessed by configuring a web browser to the proxy port and by typing `zap/`. Under the local API the API methods can be seen and even triggered with the correct parameter values.



Note : For parameters *high\* medium\* low\* filterIssuesByResourceType* True =1 and False = 0

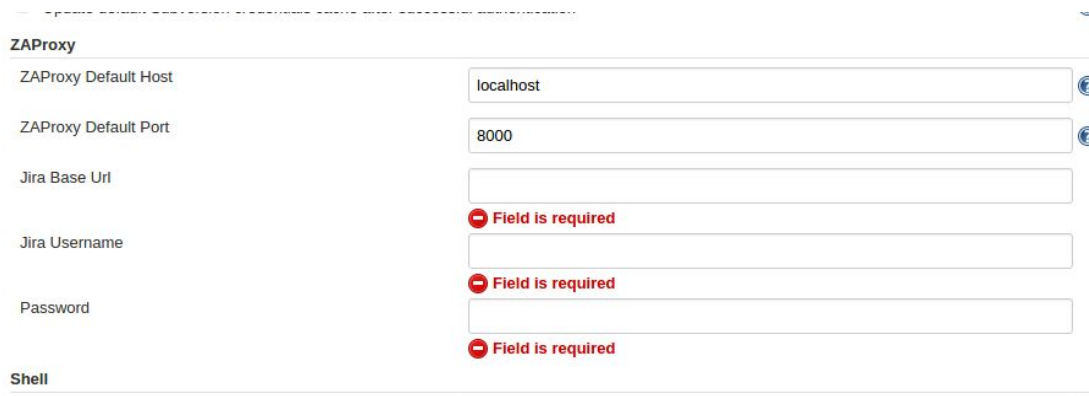
## 2.0 Configuring ZAP jira issue creator in jenkins

### 2.1 Step to Setup ZAPProxy Plugin For Jenkins

Setting up zap as a build step in jenkins can be found [here](#).

The jenkins plugin to be used can be found [here](#) (version (1.2.0)).

The global configurations have to be configured and the jira credentials and the location should be added.



The screenshot shows the configuration page for the ZAPProxy plugin in Jenkins. The page is titled "ZAPProxy" and contains several input fields. The "ZAPProxy Default Host" field is set to "localhost" and has a help icon. The "ZAPProxy Default Port" field is set to "8000" and also has a help icon. The "Jira Base Url" field is empty and has a red error message "Field is required" below it. The "Jira Username" field is empty and has a red error message "Field is required" below it. The "Password" field is empty and has a red error message "Field is required" below it. The "Shell" field is empty. The page is divided into sections by horizontal lines.

In the build configuration the create jira issues should be checked along with the priorities to be considered when exporting the issues.

The filter issues URLs by resource type is optional.

- Generate report
- Save session
- Create Jira Issues



Project Key

**Field is required**

Assignee

**Field is required**

- Export High alerts
- Export Medium alerts
- Export Low alerts
- Filter issue URLs by resource type

Delete

The zap jira extension should be copied to the plugins folder of zap home folder. (.ZAP/plugins)  
Alternatively [this ZAP 2.4.2 zip archive](#) can be used which comes with the plugin installed by default.