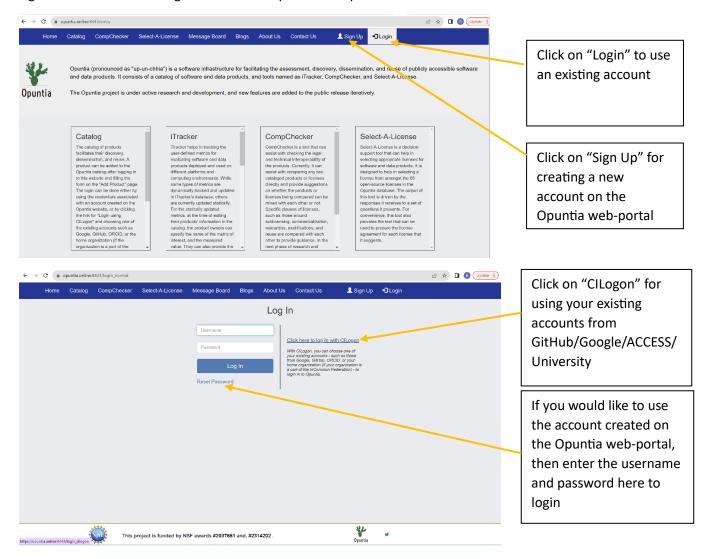
Opuntia User-Guide

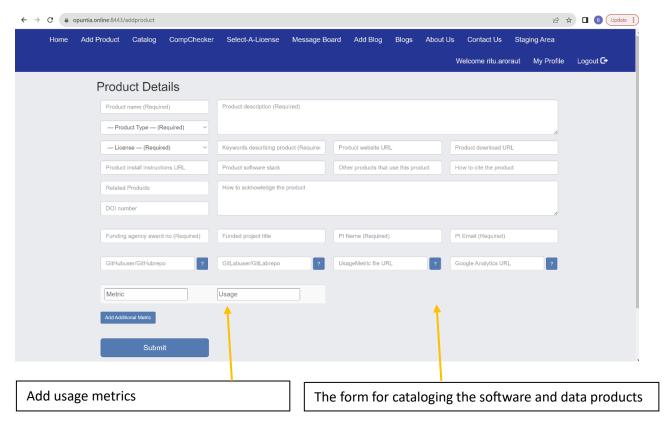
1. How can you catalog a product in Opuntia?

In order to catalog a product in Opuntia you will need to login onto the Opuntia web-portal. You can either create a new account on the Opuntia web-portal or use your existing accounts from GitHub/Google/ACCESS(XSEDE)/University for authentication. If you would like to use your existing accounts on GitHub/Google/ACCESS(XSEDE)/University to log into the Opuntia web-portal, you would need to select the option to login with CILogon from the login page. CILogon offers the single-sign-on service that is integrated with the Opuntia web-portal.



After you login into Opuntia, click on the "Add Product" menu option and fill in the form. You can enter your product name and other metadata related to it. You can also enter the usage metrics for your product. If your product is hosted on GitHub or GitLab and you provide the link to your

repositories from those websites, the **iTracker** component in Opuntia will automatically gather the publicly accessible insights from your repositories such as the number of commits, number of collaborators, number of forks, and number of stars, and update your products page in the catalog every half an hour.



If you are cataloging a product that has Google analytics integrated with it, and you are exporting your analytics data – number of website visits and number of users - to a publicly accessible Google spreadsheet, and provide the link to the spreadsheet, then iTracker can automatically get the data from the spreadsheet and update the catalog page of your product every half an hour.

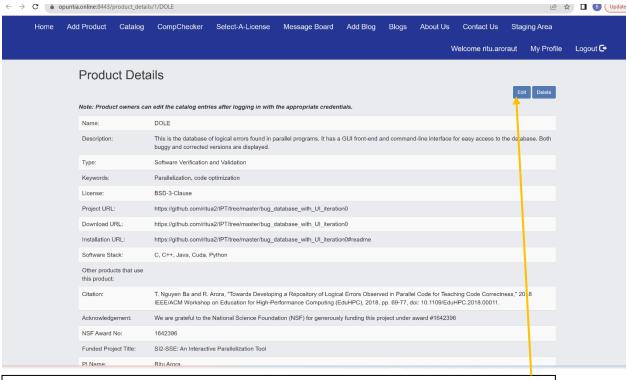
An **iTracker** library can also be integrated with code written in Java and C++ for making a software product self-reporting. However, at this time this feature has limited capabilities and should be enhanced to seek user-consent before sending the usage data to the Opuntia database.

For help in leveraging the **iTracker** component with your product, please feel free to contact the Principal Investigator of the Opuntia project (Ritu Arora, ritu@wayne.edu).

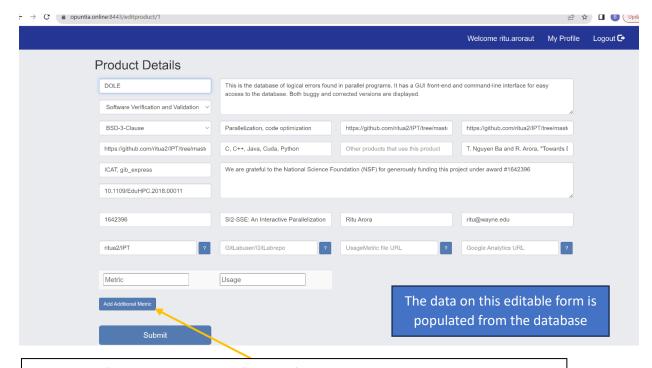
2. How to edit the details of a product in the Opuntia catalog?

The principal investigators of the projects or their delegates can login into the Opuntia web-portal and navigate to the catalog page of the product that they added. They will be able to edit all information regarding their product by clicking the edit button except the information on the previously submitted metrics. For help in editing the previously submitted usage metrics, please

send an email to Ritu Arora at ritu@wayne.edu. Additional metrics can be added by clicking the edit page as well.



Click the "Edit" button for modifying the data related to your cataloged product

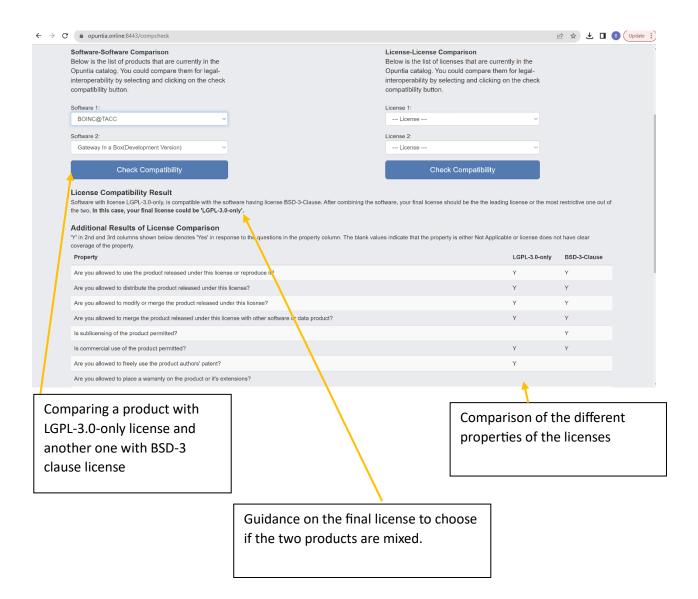


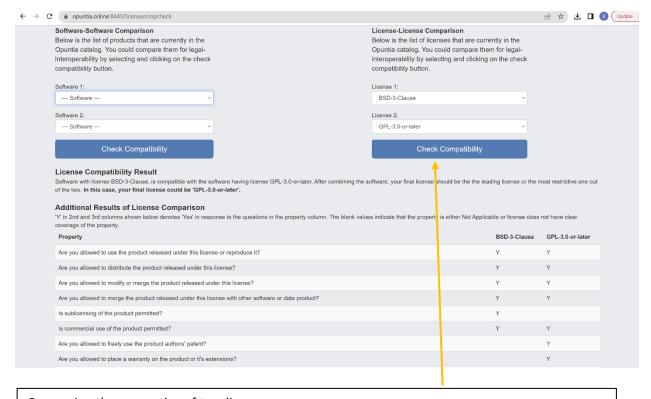
Click on the "Add Additional Metric" button for extending the usage metrics.

3. How to use CompChecker?

CompChecker can be used to compare any two cataloged products for legal interoperability, or compare any two licenses for the open-source products in the database. You can select the products or licenses of interest from the drop-down menus and see their comparison. CompChecker can provide suggestions on whether the products or licenses being compared can be mixed with each other or not. Specific clauses of licenses, such as those around sublicensing, commercialization, warranties, modifications, and reuse are compared with each other to provide guidance.

You do not need to be logged in to use CompChecker.





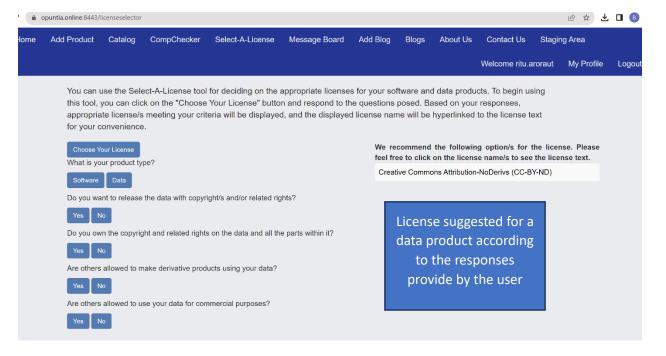
Comparing the properties of two licenses

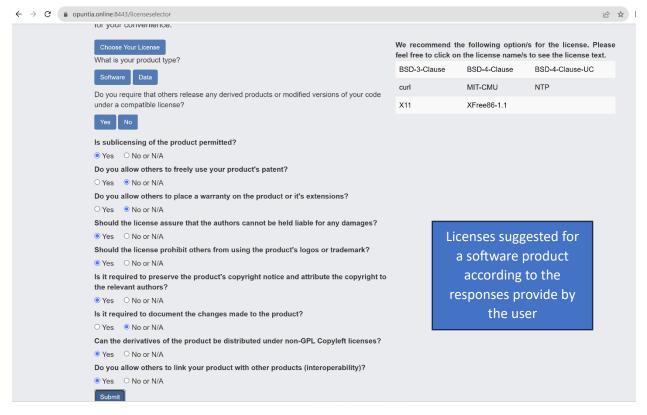
4. How to use the Select-A-License tool?

Select-A-License is a decision-support tool that can help in selecting appropriate licenses for software and data products. Login is not required for using it. Users respond to a set of questions presented by the tool on the basis of which the tool recommends an appropriate license. The tool also shows the license text for the suggested licenses.

The screenshots below show the examples of data product related license and the software product related licenses suggested by the tool based on the responses provided by the user.

The recommendations presented by the tool are hyperlinked to the license text files.





5. How to get further help on using Opuntia?

Please contact Ritu Arora by emailing at the following id with "Opuntia" in the subject-line: ritu@wayne.edu.