

Managing Rule Maps

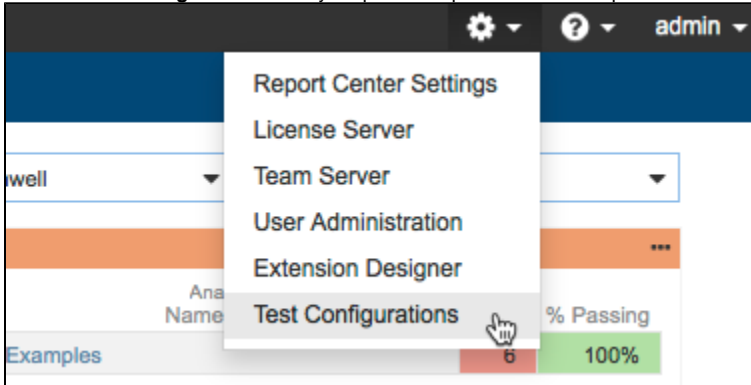
You can modify the default properties of static analysis rules, such as category, severity, and name by applying a rule map. Rule maps consist of a rulemap.xml file and other configurations set in the DTP UI. You can upload rulemap.xml files and download files that have already been implemented. You can also create new rule maps directly in the UI.

In this section:

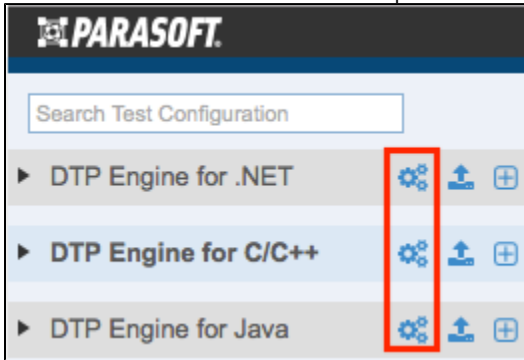
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Editing Rule Map Information

1. Choose **Test Configurations** from your profile drop-down menu to open the test configurations page.



2. Click on a tool in the sidebar to view rule map file information.



3. Choose a rule map file from the Rule Map drop-down menu.



4. Click the **Rule Map Information** tab and make your changes. If you want to preserve the original rule map, you can click **Clone** and edit the duplicated file.

Rule Map Information | Rule Customization | Upload/Download

* Rule Map Name: MISRA C 2012

* Owner(s): admin
Owners and administrators have permission to edit and delete a rule map.

Description:

Created by: admin

Associated Test Configurations:

MISRA C 2012 Compliance >>

Available Test Configurations:

Search by Test Configuration

<< CWE SANS Top 25 Most Dangerous So...
<< Find Duplicated Code
<< Joint Strike Fighter
<< Metrics

Save Cancel Clone Delete

You can perform the following actions:

- Change the name of the rule map in the Rule Map Name field.
- Enter a DTP user in the Owner(s) field to specify a new owner. Ownership allows users to manage rule map files. The user name entered will be validated against the user database.

Owner(s): Bob User 'Bob' does not exist

Owners and administrators have permission to edit and delete a rule map.

- Enter information about the rule map file in the description field.
- Click on the double angle button in the Associated Test Configurations or Available Test configurations field to remove or associate test configurations with the rule map. Associating a test configuration with a rule map allows you to use rule customizations made in the rule map in the selected test configurations. You can mouse over the information icon to see information about a test configuration in a tooltip:

Associated Test Configurations:

CWE SANS Top 25 Most Dangerous So... >>
Find Duplicated Code >>

Available Test Configurations:

mapping
Metrics
MISRA C 2012
Modern C++ (11, 14 and 17)
OWASP Top 10 2013 testing
OWASP Top 10 Security Vulnerabilities

Find Duplicated Code
Access: Global
Created by: Not set
Associated Rule Map: -- No rule map associated -

- Click **Save** when you are finished making changes.

Creating New Rule Maps

Before you can customize rule properties or upload custom rules, you must create a rule map.

- Choose **Test Configurations** from your profile drop-down menu to open the test configurations page.
- Click on a tool in the sidebar to view rule map file information.
- Click **Create New Rule Map**.

4. Enter the basic rule map information and click **Create**.

* Rule Map Name:

Owner(s):
Owners and administrators have permission to edit and delete a rule map.

Description:

Created by: admin

5. Configure additional rule map settings, such as [associating test configurations](#) with your rule map and [customizing rule properties](#).
6. Click **Save** when finished.

Uploading Rule Map Files (rulemap.xml)

1. Choose **Test Configurations** from your profile drop-down menu to open the test configurations page.
2. Click on a tool in the sidebar to view rule map file information.
3. Click the **Upload/Download** tab and click **Select File** in the Rule mapping (e.g. rulemap.xml) section.

Rule Map Information | Rule Customization | Upload/Download

Rule mapping (e.g. rulemap.xml)

Status:

Mappings: 0
Clones: 326
Categories: 169

4. Browse to the file you want to upload and click **Upload**.

Downloading Rule Map Files (rulemap.xml)

1. Choose **Test Configurations** from your profile drop-down menu to open the test configurations page.
2. Click on a tool in the sidebar to view rule map file information.
3. Choose the rule map you want to download from the Rule Map drop-down menu and click the **Upload/Download** tab.
4. Click **Download** in the Rule Mapping (e.g. rulemap.xml) section.

Deleting Rule Maps

The following instructions describe how to delete the entire rule map definition, including the rule mapping file (rulemap.xml) and any custom rules.

1. Choose **Test Configurations** from your profile drop-down menu to open the test configurations page.
2. Click on a tool in the sidebar to view rule map file information.
3. Choose the rule map you want to delete from the Rule Map drop-down menu and click **Delete**.

About Rule Map Permissions

- Any DTP user can view the rule map definitions.
- Only rule map users listed in Owners field (and DTP administrators) can modify the rule map definition.
- Only DTP administrators and team leaders can create a new rule map
- When DTP administrators and team leaders create new rule maps, they are listed in the rule map Owner(s) field.

- Owners can add any DTP user, including users that are not team leaders to the Owner(s) field, thereby granting these users permission to manage (save, clone, delete) the rule map.