



Data Prioritization Manager User Guide

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Login

- Upon starting up the application, a login page will show. (Figure 1)

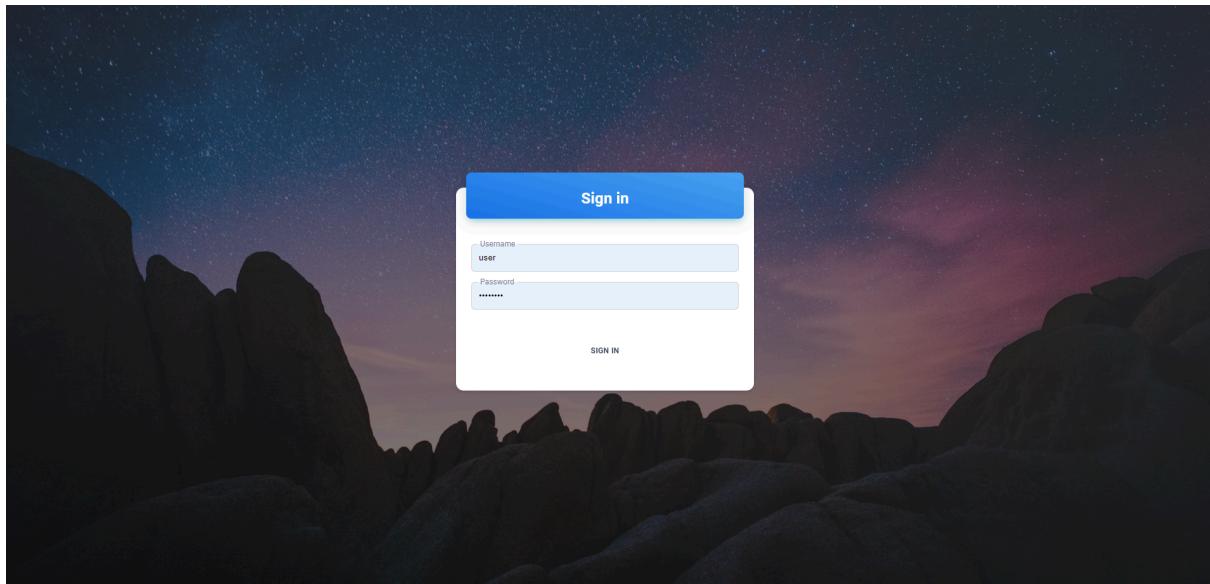


Figure 1 – Login page

- After entering a valid username and password and hitting the **sign in** button, the “Dashboard” page is shown. (Figure 2)

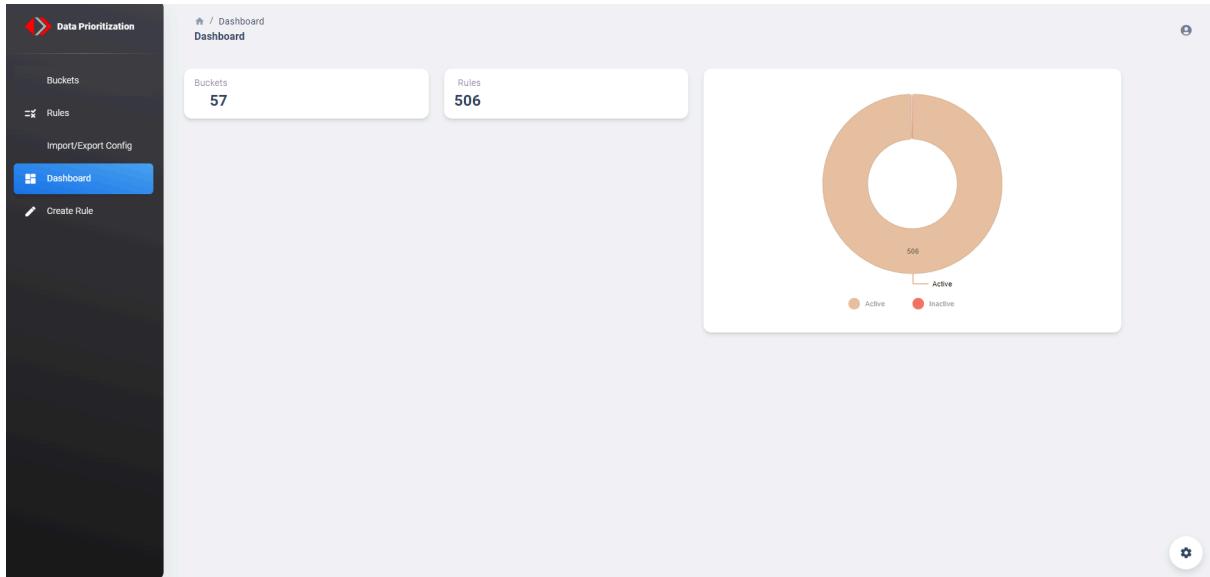


Figure 2 – Dashboard page

Logout/User Permissions

- Upon clicking the  icon on the top right of the page, the “Permissions” of the account will show either **Edit** or **View**. If the user’s permission is only **View**, the user cannot edit anything, and can only view the Rules and Buckets pages. (Figure 3)

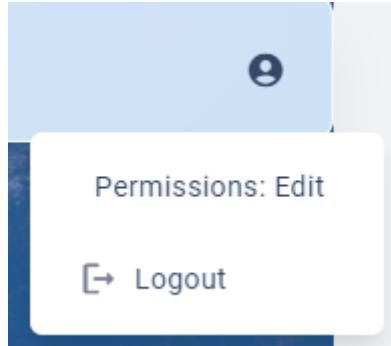


Figure 3 – User menu

- To log out, click **Logout**. (Figure 4)

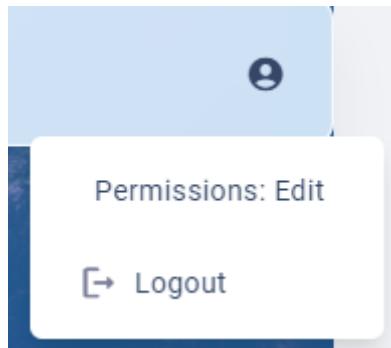


Figure 4 – User menu

Viewing Buckets

1. Click the **Buckets** button on the navigation bar to the left of the page. (Figure 5)

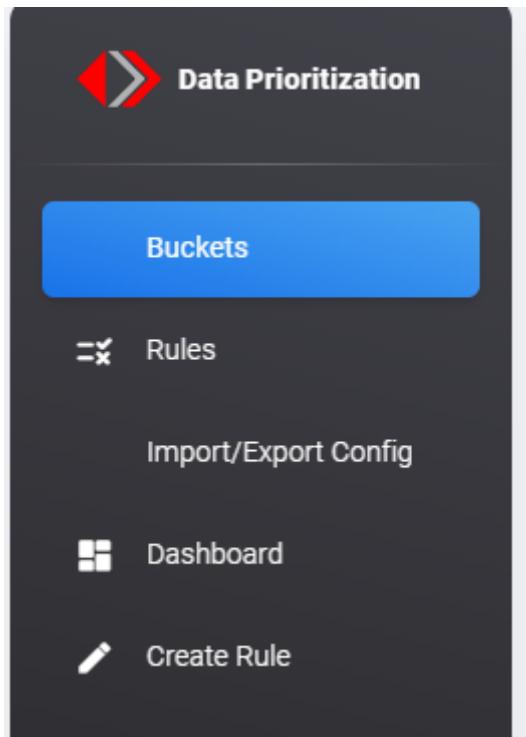


Figure 5 – Buckets button on the navigation bar

2. Upon clicking the button, a page loads showing what buckets are in the system. (Figure 6)

A screenshot of the "Buckets" page. The page has a header with the title "Buckets" and a breadcrumb trail showing the current location. On the left is a sidebar with the same navigation options as Figure 5. The main content area displays a table of bucket data. The columns are: ID, NAME, NUMBER OF RULES, DAILEY SIZE LIMIT, and AGE OFF POLICY. There are 10 rows of data, each representing a different bucket. At the bottom of the table is a navigation bar with page numbers and arrows, and a settings gear icon.

Figure 6 – Buckets page

Viewing Individual Bucket

1. While on the “Buckets” page, click on any bucket’s ID to view a specific bucket. (Figure 7)

ID	NAME
0	bucket_UNK

Figure 7 – Individual bucket entry

- Upon clicking a bucket's ID, a page loads that shows the rules inside the bucket, along with their statuses. (Figure 8)

The screenshot shows the 'Data Prioritization' application interface. On the left, a sidebar menu includes 'Buckets', 'Rules', 'Import/Export Config', 'Dashboard', and 'Create Rule'. The main content area is titled 'bucket_UNK'. It shows the following details:

- ID: 0
- Name: bucket_UNK
- Number Of Associated Rules: 7
- Max Rule Duration: 0
- Age Off Policy: No Age Off Policy
- Daily Data Limit: 20TB

Below this, a table titled 'Attached Buckets' lists seven rules:

ID	NAME	BUCKETS	RULE	STATUS	CHANGE STATUS
484	bucket_UNK_0	0	<ip="209.99.17.27">	Active	CHANGE STATUS
718	bucket_UNK_0	0	<ip="41.218.88.32">	Active	CHANGE STATUS
450	bucket_UNK_0	0	<ip="203.78.107.112">	Active	CHANGE STATUS
159	bucket_UNK_0	0	<ip="41.78.156.0">	Active	CHANGE STATUS
554	bucket_UNK_0	0	<ip="12.191.39.165">	Active	CHANGE STATUS
528	bucket_UNK_0	0	<ip="23.27.112.143">	Active	CHANGE STATUS
490	bucket_UNK_0	0	<ip="27.1.1.34">	Active	CHANGE STATUS

Figure 8 – Individual bucket page

Changing Rule Status Inside a Bucket

1. While on an individual bucket page, click on the **Change Status** button for the corresponding rule. (Figure 9)



Figure 9 – Change status

2. After the button is clicked, the rule will switch between to inactive and active status. (Figures 10, 11)

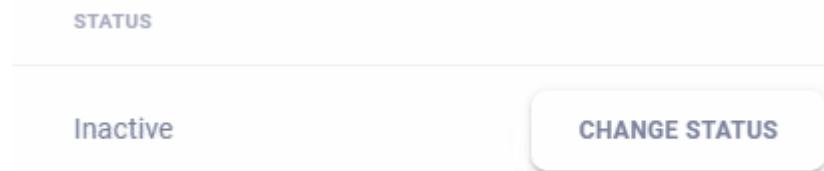


Figure 10 – Status change to active



Figure 11 – Status change to inactive

Viewing Rules

1. Click the **Rules** button on the navigation bar to the left of the page. (Figure 12)

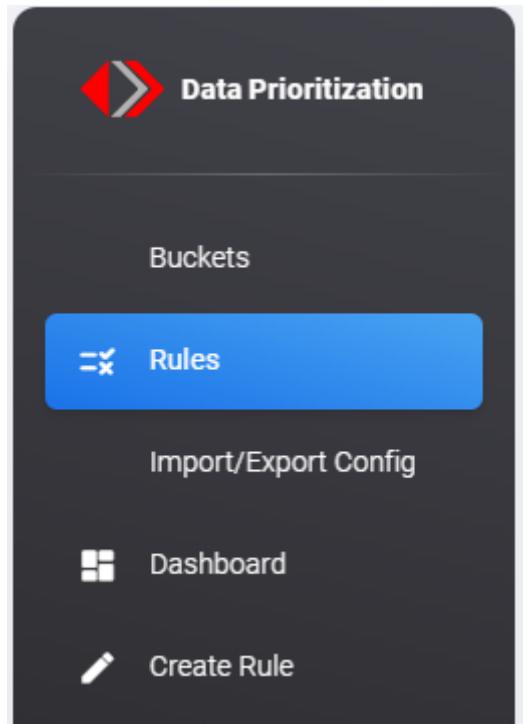


Figure 12 – Rules button on the navigation bar.

2. Upon clicking the button, a page loads showing what buckets are in the system. (Figure 13)

The screenshot shows the "Rules" page of the Data Prioritization application. The page has a header with the title "Rules" and a breadcrumb trail showing the current location. Below the header is a table listing ten buckets. The columns in the table are: ID, NAME, BUCKETS, RULE, and STATUS. Each row contains a link to the bucket's details. At the bottom of the table are navigation buttons for page 1 and 2, and a settings gear icon.

ID	NAME	BUCKETS	RULE	STATUS
38666	bucket_US_0	1	<ip="62.4.64.0", port="443">	Active
43350	bucket_US_0	13	<ip="23.250.116.0", port="7001">	Active
82362	bucket_US_0	1	<ip="54.221.253.252", port="80">	Active
38583	bucket_US_0	1	<ip="62.187.204.0", port="8080">	Active
81661	bucket_US_0	1	<ip="37.59.184.224", port="443">	Active
65005	bucket_US_0	1	<ip="43.228.144.0", port="8009">	Active
45281	bucket_US_0	1	<ip="23.255.32.0", port="80">	Active
35027	bucket_US_0	1	<ip="52.94.249.144", port="8009">	Active
67339	bucket_US_0	1	<ip="42.56.0.0", port="4447">	Active
83769	bucket_US_0	1	<ip="35.201.88.0", port="80">	Active

Figure 13 – Rules page

Viewing Individual Rule

1. While on the “Rules” page, click on any rule’s ID to view a specific rule. (Figure 14)

ID	NAME
38666	bucket_US_0

Figure 14 – Single rule entry

2. Upon clicking a rule’s ID, a page loads that shows the details of the rule. (Figure 15)

The screenshot shows the Data Prioritization interface. On the left is a dark sidebar with navigation links: Buckets, Rules (which is selected), Import/Export Config, Dashboard, and Create Rule. The main area has a header with the path: / Rule / 38666 38666. Below the header is a large image of a mountain range. A modal window is open over the image, displaying rule details. The modal title is "bucket_US_0". Inside, it shows the XML configuration: <ip="62.4.64.0", port="443">. Below this, detailed information is listed:

ID:38666	View
Name:bucket_US_0	Edit
Rule:<ip="62.4.64.0", port="443">	
Priority:38667	
Source:vuldb	
Status:Active	
Time Since Updated:29051	

Below the modal, under "Attached Buckets", is a table:

ID	NAME	NUMBER OF RULES	DATA SIZE LIMIT	AGE OFF POLICY
1	bucket_US	429	562MB	2

Figure 15 – Single rule page

Editing Rule

1. While on an individual rule page, click on the **Edit** button to the top right of the page. (Figure 16)

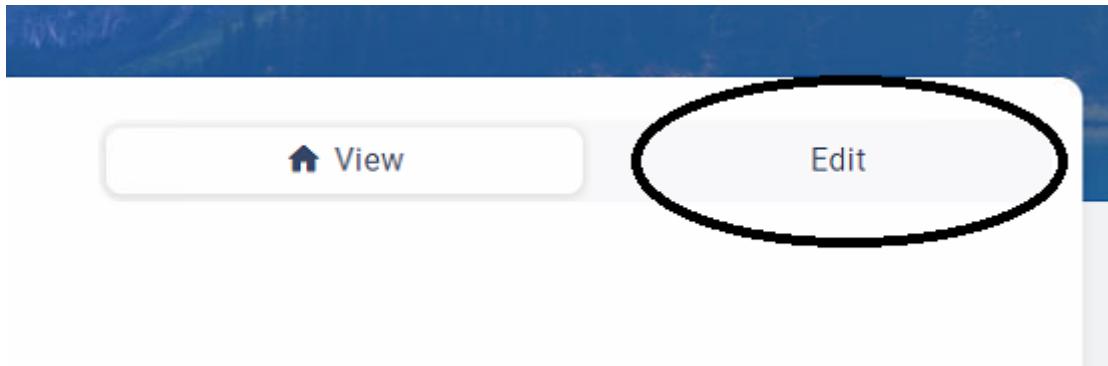


Figure 16 – Edit rule entry

2. Upon clicking the Edit button, the user is shown a page with editable name, rule type, IP & port, priority, source, and active/inactive status. The user can also add a bucket. (Figure 17)

A screenshot of the 'Edit rule' page. On the left, a sidebar menu includes 'Buckets', 'Rules', 'Import/Export Config', 'Dashboard', and 'Create Rule'. The main content area shows a rule named 'bucket_US_0' with ID '38666'. It has an IP-Port rule type, IP '62.4.64.0', Port '443', Priority '38667', and Status 'Active'. A 'Time Since Updated' field shows '42629'. There is a dropdown for 'Buckets' and an 'ADD BUCKET' button. Below this, a table titled 'Attached Buckets' lists one item: 'bucket_US' with ID '1', 429 rules, 562MB size limit, and age off policy '2'. A gear icon is in the bottom right corner of the main content area.

Figure 17 – Edit rule page

3. Clicking the **reset** button will reset any edited rule fields. (Figure 18)



Figure 18 – Reset button

4. Clicking the **update** button will save any changes. (Figure 19)



Figure 19 – Update button

Import/Export Config

1. Click the **Import/Export Config** button on the navigation bar to the left of the page. (Figure 20)

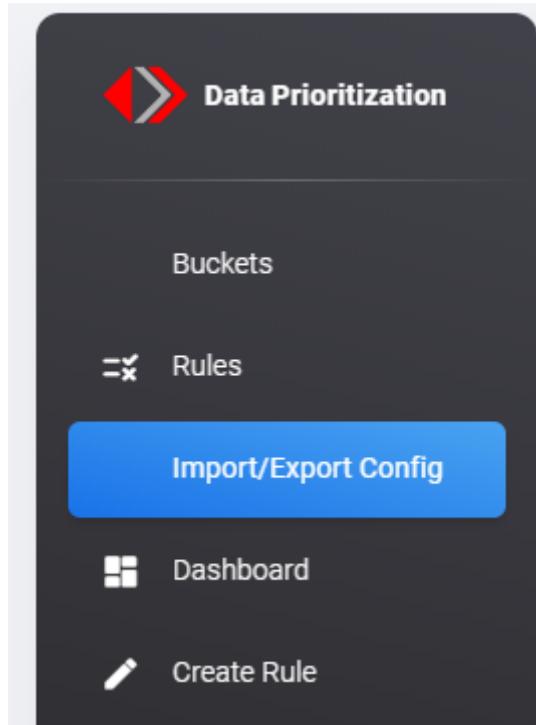


Figure 20 – Import/Export Config button on the navigation bar

2. Upon clicking the button, a page shows where the user can upload a config file or export the rules or buckets currently in the system. (Figure 21)

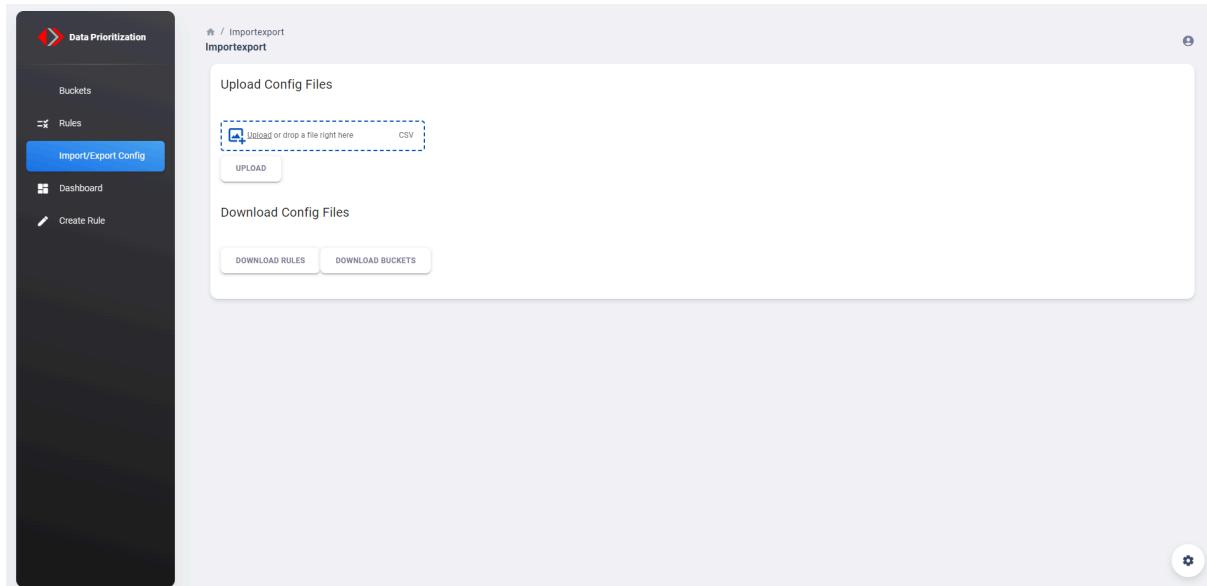


Figure 21 – Import/Export page

Import

1. To import, either drag the .csv file to the upload area, or click the **upload** button and select the file manually. (Figure 22)

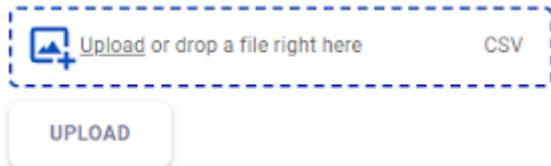


Figure 22 – Upload area and upload button

Export

1. To export rules, click the **download rules** button, and to export buckets, click **download buckets**. (Figure 23) Upon clicking the button, either the rules or buckets will be exported as a .csv file.



Figure 23 – Download button

Create Rule

1. Click the **Create Rule** button on the navigation bar to the left of the page. (Figure 24)

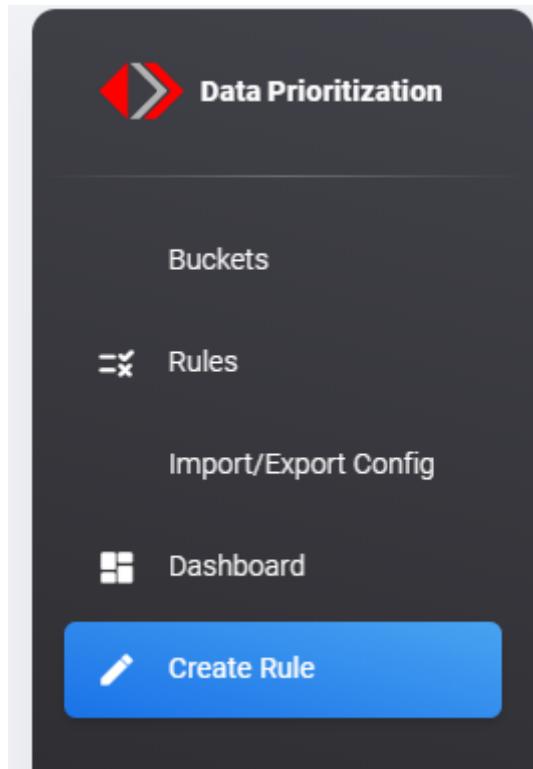


Figure 24 – Create Rule button on the navigation bar

2. Upon clicking the button, a page will show with empty fields for a new rule. (Figure 25)

A screenshot of the "Create Rule" page. The page has a header "Create Rule" and a sub-header "Createrule". On the left is a sidebar with "Create Rule" highlighted. The main form contains fields for "ID", "Name", "Rule Type" (set to "IP-Port"), "IP", "Priority", "Source", and "Rule Type" (set to "Active"). Below the form is a table titled "Added Buckets" with columns for ID, NAME, NUMBER OF RULES, DAILEY SIZE LIMIT, and REMOVE. A "CREATE RULE" button is at the bottom of the form.

Figure 25 – Create Rule page

3. The rule can be added to a bucket by selecting a bucket from the dropdown and clicking the **add bucket** button. (Figure 26)



Figure 26 – Add bucket menu and button

4. The added bucket will show on the “Added Buckets” list on the bottom of the page. (Figure 27)

Added Buckets					
ID	NAME	NUMBER OF RULES	DAILEY SIZE LIMIT	AGE OFF POLICY	REMOVE
0	bucket_UNK	7	20TB	0	REMOVE

Figure 27 – Added Buckets list

5. To remove a bucket, click the **remove** button on the left.(Figure 28)

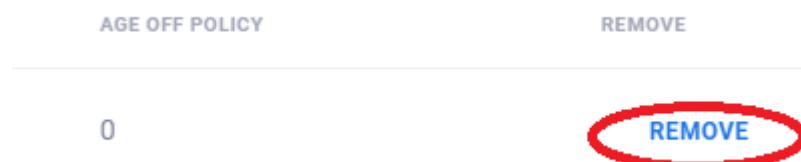


Figure 28 – Remove button

6. After completing all the fields and adding to a bucket, clicking the **create rule** button will add the new rule to the database. (Figure 29)

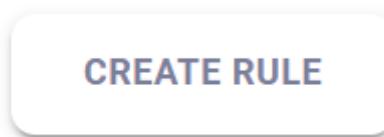


Figure 29 – Create rule