Data obfuscation

Gold

Data Obfuscation is a Perspectium function for ServiceNow that allows for the creation of obfuscation rules per the General Data Protection Regulation (GDPR) for data shared using dynamic shares and bulk shares.

NOTE: This is only applicable to base table only.

Creating data obfuscation rules

To enable data obfuscation for your dynamic shares and bulk shares, follow these steps:

1

Navigate to Dynamic Share or Bulk Share

Log into your source ServiceNow instance and navigate to **Perspectium** > **Replicator** > **Dynamic Share** or **Bulk Share**.

2

Edit your dynamic share or create a new bulk share

Click into the dynamic share that you want to enable data obfuscation for or create a new bulk share.

3

Check Advanced

On the right-hand side of the form, check **Advanced** to display the Advanced tab in your form.

4

Enable data obfuscation

Click the **Advanced** tab. Then, check **Enable data obfuscation**. This will allow you to start creating data obfuscation rules for your dynamic share or bulk share. If editing an existing dynamic share, click **Update**. If creating a bulk share, click **Submit**.

5

Create a new data obfuscation rule

Click back into your dynamic share or bulk share. Scroll to the bottom of the form and click the **PSP Data Obfuscations** tab. Then, click **New**.

6

Enter a name and order

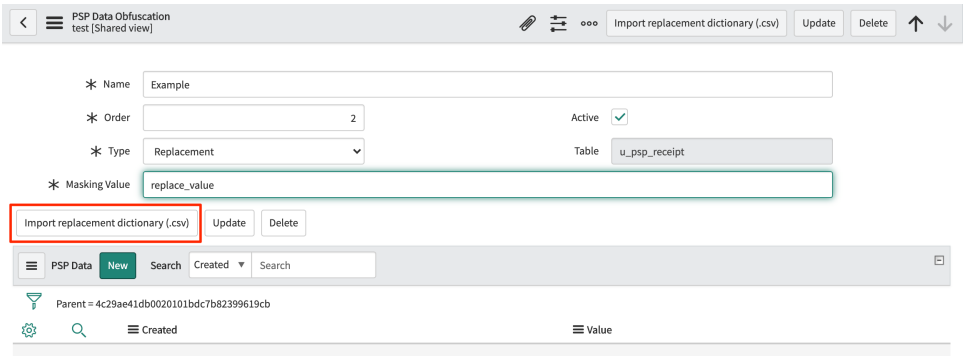
Type any **Name** for your data obfuscation rule and enter a number for the **Order**, which will determine when your data obfuscation rule will run compared to other data obfuscation rules in the same share (in ascending order).

7

Choose a type

Choose a data obfuscation rule type from the following options:

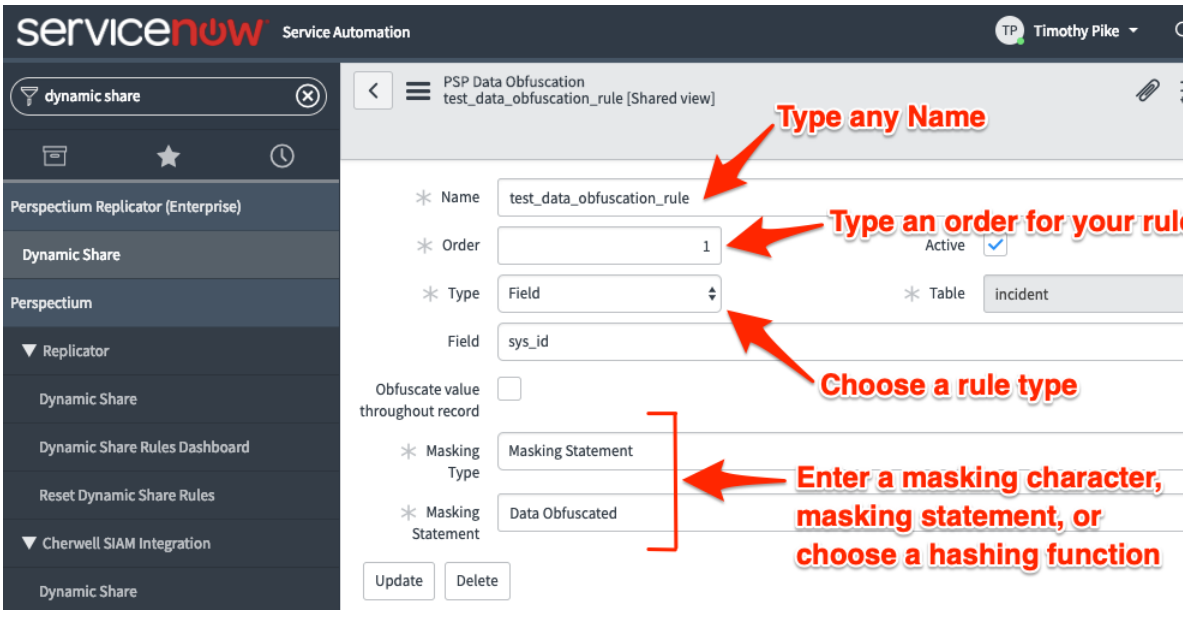
Type of Data Obfuscation Rule	Description

Field	Choose a field whose value you want to obfuscate. If this value appears in multiple spots throughout the record, you can optiona **throughout record** option. The **Masking Value** (special characters only) or **Masking Statement** (alphanumeric characters) you enter will replace your spec choosing the **Hashed** option, your specified field's value will be obfuscated via the hashing algorithm (SHA-1, SHA-256, or MD5) **Function** dropdown.
Pattern	Specify a JavaScript regular expression pattern in the **Pattern** field to search for and replace in your share's outbound message. The **Masking Value** (special characters only) or **Masking Statement** (alphanumeric characters) you enter will replace your spec record. If choosing the **Hashed** option, your specified pattern's value will be obfuscated via the hashing algorithm (SHA-1, SHA- **ash Function** dropdown.
Replacement	Specify search values that will be replaced by a masking value. To create a Replacement data obfuscation rule, first create a ne **Replacement** and click **Submit**. A related list of search value records will appear at the bottom of the form. Each search value w value if found in your share's outbound message. When choosing the Replacement type, you can upload a CSV file as a list of comma-separated search values by clicking **Import** This will take the user to a confirmation page to upload a file. **NOTE**: You can quickly add a large number of search values to replace by uploading a CSV file. The CSV file should be a lis values which will be added to the Replacement rule. 

8

Save your data obfuscation rule settings

In the bottom left-hand corner of the data obfuscation form, click **Submit** to save your data obfuscation rule settings.

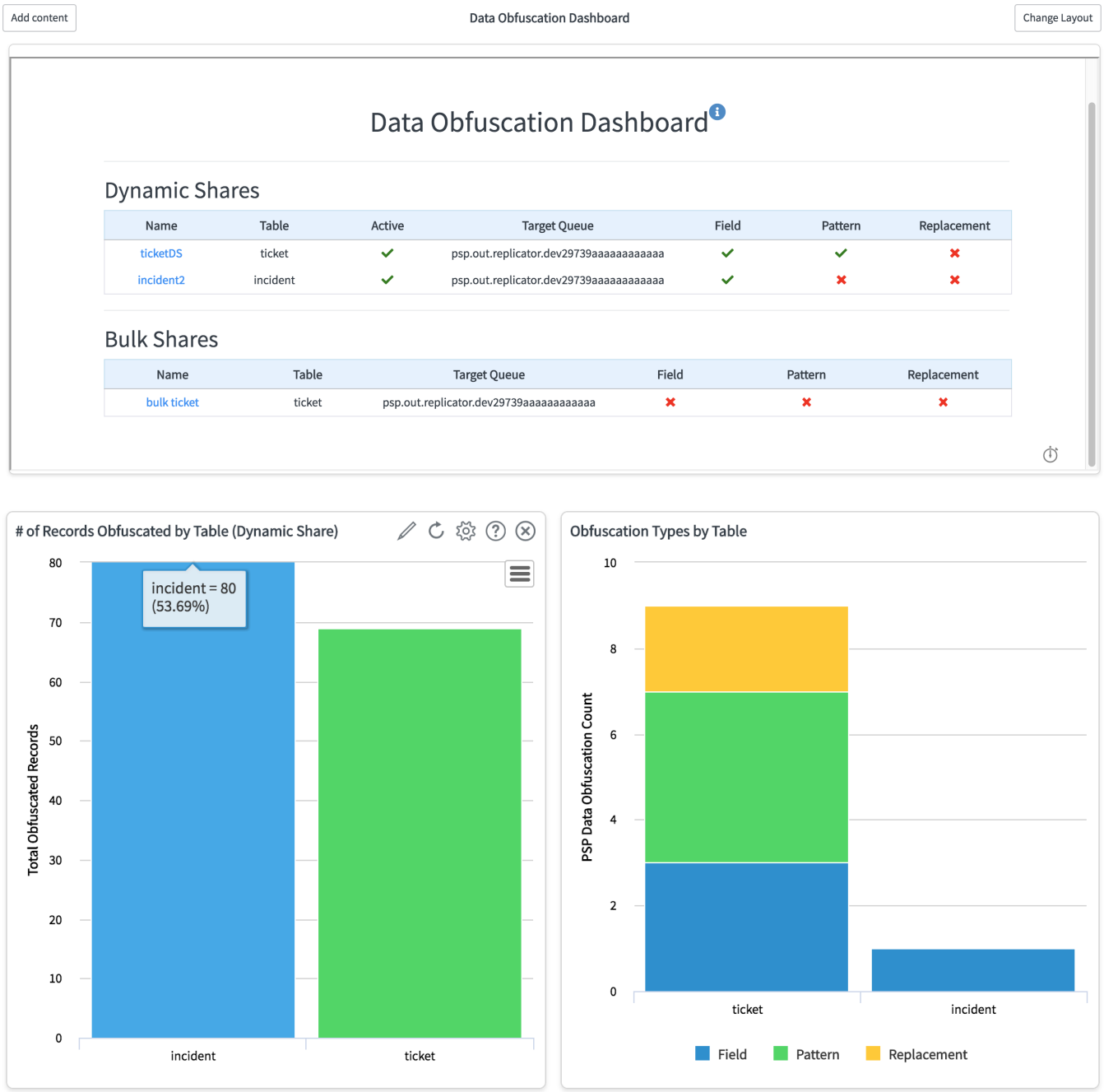


Data Obfuscation Dashboard

You can visit the Data Obfuscation Dashboard to easily view information about your data obfuscation rules. To access your Data Obfuscation Dashboard, navigate to **Perspectium** > **Data Obfuscation Dashboard**.

The top widget contains two tables containing information on each dynamic and bulk share with active data obfuscation rules. The first column shows the name of each share which will take users to the respective share when clicked on. The table specifies which table each share is targeting. The last three columns show each type of data obfuscation (Field, Pattern, or Replacement). A green checkmark indicates at least one data obfuscation rule of that type is active for that share, whereas a red X indicates no data obfuscation rule of that type is active. The dashboard also shows the total number of records obfuscated from each table as well as the total number of obfuscation rules on each table.

NOTE: If you delete any of the widgets on the dashboard page you will not be able to get them back unless you reinstall the ServiceNow core update set. Accidentally deleting the widget will not affect your Data Obfuscation rules.



Similar topics

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Contact Perspectium Support

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