

## Runbook Transforming Squid Message

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# Contents

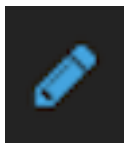
**Transform the Squid Message..... 4**

## Transform the Squid Message

You can customize your sensor data to provide more meaningful data. For example, you can choose to transform a url to provide the domain name of the outbound connection or the IP address. To do this, you need to add transformation information.

### Procedure

1.



In the Management module, click (edit button) for your sensor.

The Management module displays the schema panel.

**Squid** [Close]

NAME \*  
Squid

No Matching Kafka Topic

PARSER TYPE \*  
Grok

GROK STATEMENT  
[Expand]

SCHEMA

TRANSFORMATIONS	0
ENRICHMENTS	0
THREAT INTEL	0

[Expand]

THREAT TRIAGE

RULES	0
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[Expand]

SAVE CANCEL Advanced

2.



In the Schema box, click (expand window button).

The Management module displays the Schema panel and populates it with message, field, and value information.


The Sample field, at the top of the panel, displays a parsed version of a sample message from the sensor. The Management module will test your transformations against this parsed message.

You can use the right and left arrow buttons in the Sample field to view the parsed version of each sample message available from the sensor.

You can apply transformations to an existing field or create a new field. Typically users choose to create and transform a new field, rather than transforming an existing field.

3.



To add a new transformation, either click the  next to a field or click the



(plus sign) at the bottom of the **Schema** panel.

The module displays a new dialog box for your transformations.

A dialog box titled "new" with a close button (X) in the top right corner. It contains several input fields and a "SAVE" button at the bottom. The fields are labeled: "INPUT FIELD", "NAME", "TRANSFORMATIONS", "ENRICHMENTS", and "THREAT INTEL". The "NAME" field contains the text "new". The "TRANSFORMATIONS" field is empty. The "ENRICHMENTS" and "THREAT INTEL" fields are empty. The "SAVE" button is a light blue button with the text "SAVE" in dark blue.

4. Choose the field you want to transform from the **INPUT FIELD** box, enter the name of the new field in the **NAME** field, and then choose a function with the appropriate parameters in the **TRANSFORMATIONS** box. You can apply more than transformation to the input field.

The screenshot shows a configuration panel for a field named `ip_dst_addr_copy`. The panel is divided into several sections:

- INPUT FIELD:** A dropdown menu showing `ip_dst_addr`.
- NAME:** A text input field containing `ip_dst_addr_copy`.
- TRANSFORMATIONS:** A list of transformations applied to the input field. It shows `DOMAIN_REMOVE_SUBDOMAINS` and `DOMAIN_REMOVE_TLD`, each with a minus sign button to remove it. Below these is a text input field containing the composed transformation: `DOMAIN_REMOVE_TLD(DOMAIN_REMOVE_SUBDOMAINS(ip_dst_addr))`.
- ENRICHMENTS:** An empty dropdown menu.
- THREAT INTEL:** An empty dropdown menu.
- SAVE:** A button at the bottom left of the panel.

5. Click **SAVE** to save your additions.

The Management module populates the Transforms field with the number of transformations applied to the sensor.

If you change your mind and want to remove a transformation, click "-" next to the field.

6. Click **SAVE** in the parser panel to save the transformation information.