API parameter reference

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- Different header modifications in the same rule

To set an HTTP request header via API, set the following parameters in the `action_parameters` field:

- **operation**: `set`
- Include one of the following parameters to define a static or dynamic value:
  - **value**: Specifies a static value for the HTTP request header.
  - **expression**: Specifies the expression that defines a value for the HTTP request header.

To remove an HTTP request header via API, set the following parameter in the `action_parameters` field:

- **operation**: `remove`

For step-by-step instructions, refer to Create a request header transform rule via API.

Static header value parameters

The full syntax of the `action_parameters` field to define a static HTTP request header value is the following:

```
"action_parameters": {
  "headers": {
    "<HEADER_NAME>": {
      "operation": "set",
      "value": "<URI_PATH_VALUE>"
    }
  }
```

```
}
```

Dynamic header value parameters

The full syntax of the `action_parameters` field to define a dynamic HTTP request header value using an expression is the following:

```
"action_parameters": {
  "headers": {
    "<HEADER_NAME>": {
      "operation": "set",
      "expression": "<EXPRESSION>"
    }
  }
}
```

:::note Check the available fields and functions you can use in an expression. :::

Header removal parameters

The full syntax of the `action_parameters` field to remove an HTTP request header is the following:

```
"action_parameters": {
  "headers": {
    "<HEADER_NAME>": {
      "operation": "remove"
    }
  }
}
```

Different header modifications in the same rule

The same rule can modify different HTTP request headers using different operations (set or remove a header). For example, a single rule can set the value of a header and remove a different header. The syntax of such a rule could be the following:

```
"action_parameters": {
  "headers": {
    "<HEADER_NAME_1>": {
      "operation": "set",
      "value": "<HEADER_VALUE_1>"
    },
    "<HEADER_NAME_2>": {
      "operation": "remove"
    }
  }
}
```

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