

# Instrumenting Axway API Gateway with AppDynamics

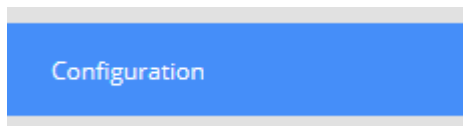
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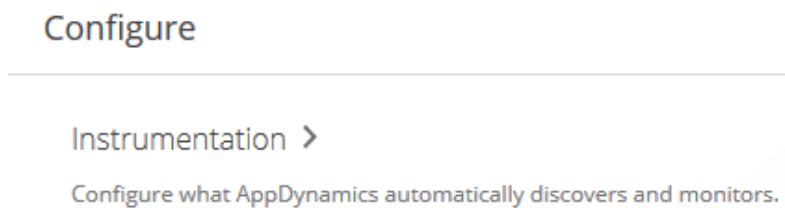
## Creating endpoints using POJO

The API Gateway doesn't use standard Java servlet objects, so the way to create an entry point that is split by endpoint name, is to follow the steps below:

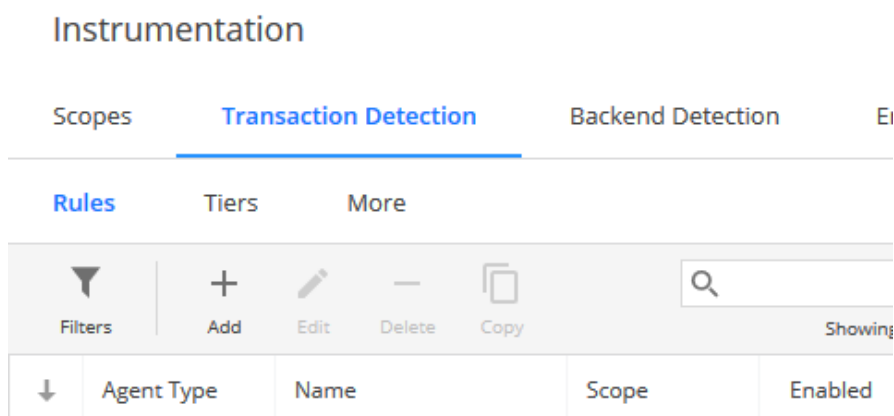
1. Go to Configuration



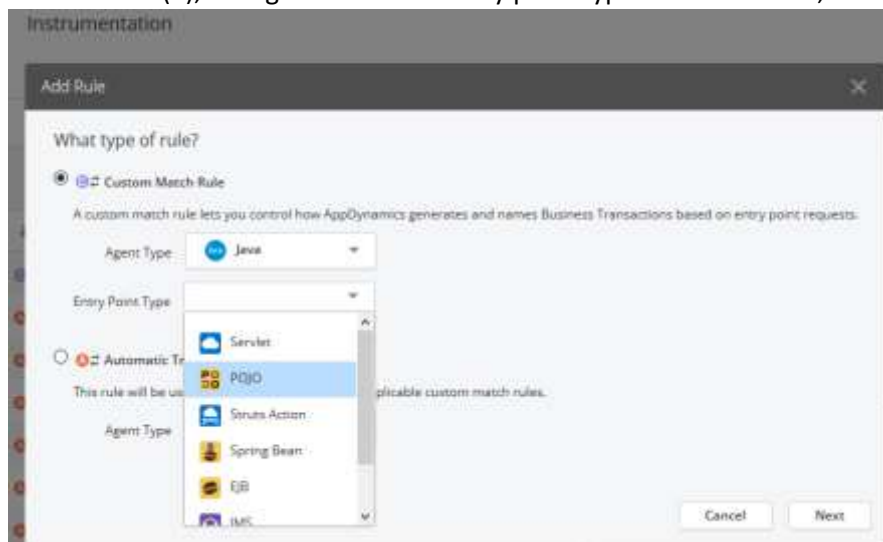
2. Click in Instrumentation



3. Go to Transaction Detection Tab



4. Click on Add (+), change to POJO in "Entry point type" and click next;



5. Give a name to the rule, increase the priority and select the scope

### Add Rule

Summary

Rule Configuration

Rule Type

Custom Match Rule

Include/Exclude

☒ Include Transactions discovered by this rule  
☐ Exclude Transactions discovered by this rule

Agent Type

Java

Entry Point Type

POJO

Name

API -

Enabled

☒

Priority

10

Background Task

☐

Description

Scope

Default Scope

Change Scope

6. Go to "Rule Configuration" tab
7. Configure "Match Class", "Method Name" and "Transaction Splitting" as below:  
Class: `com.vordel.dwe.http.HTTPPlugin`  
Method: `invoke`

Match Class & Method

Match Classes

with a Class Name that

Equals

com.vordel.dwe.http.HTTPPlugin

Method Name

Equals

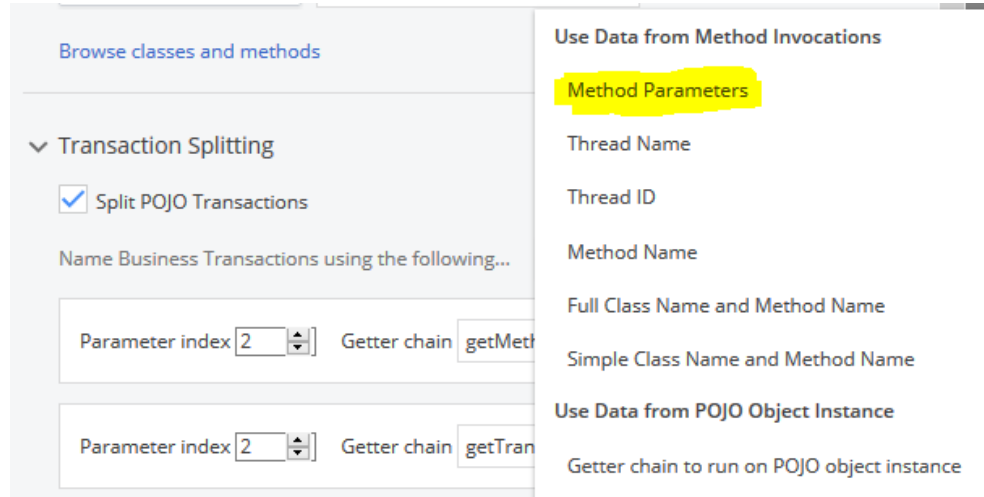
invoke

[Browse classes and methods](#)

Transaction Splitting

☒ Split POJO Transactions

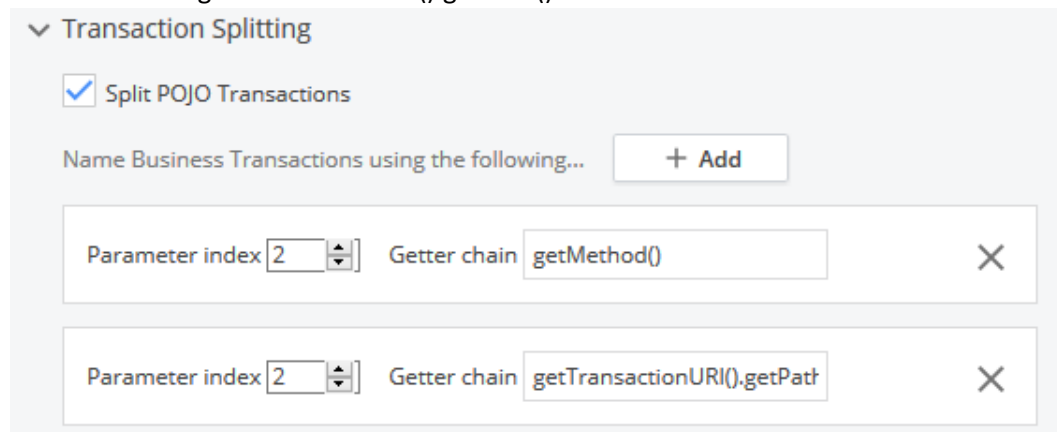
8. Click in Add and select “Method Parameters” twice;



9. Use the third parameter (it's zero based) and apply these two getter chains in sequence:

First: `getMethod()`

Second: `getTransactionURI().getPath()`



Note: If you have random IDs, it's best to replace these with a constant string so they'll be grouped. For example, you can turn URLs like `/v1/clients/3467436/search` into `/v1/clients/id/search` if you modify the second getter chain to be `getTransactionURI().getPath().replaceAll([0-9][0-9]+, id)`

10. Click on “Save” or on “Live Preview” to see the configuration in action.

# Creating Data Collectors

Use Data collectors to get headers, response bodies, return codes from Axway code.

- 1. Go to Configuration and them to Data Collectors tab;
- 2. On “Method Invocation Data Collectors” click on Add button;

Diagnostic Data Collectors help add business or diagnostic cor  
invocation data or the http parameters. In some sense it captur

▼ Method Invocation Data Collectors

Any method invocation data (parameters, return value) durin  
for which order was slow or had an error.

Name	Summary
Headers	Class wit
Response	Class wit

Add

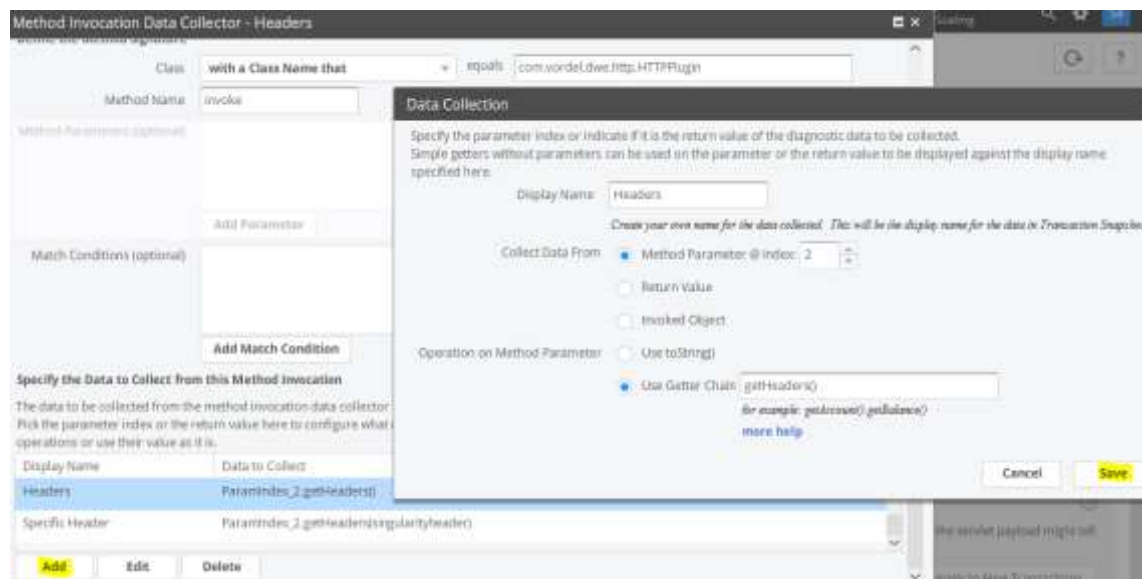
Edit

Delete

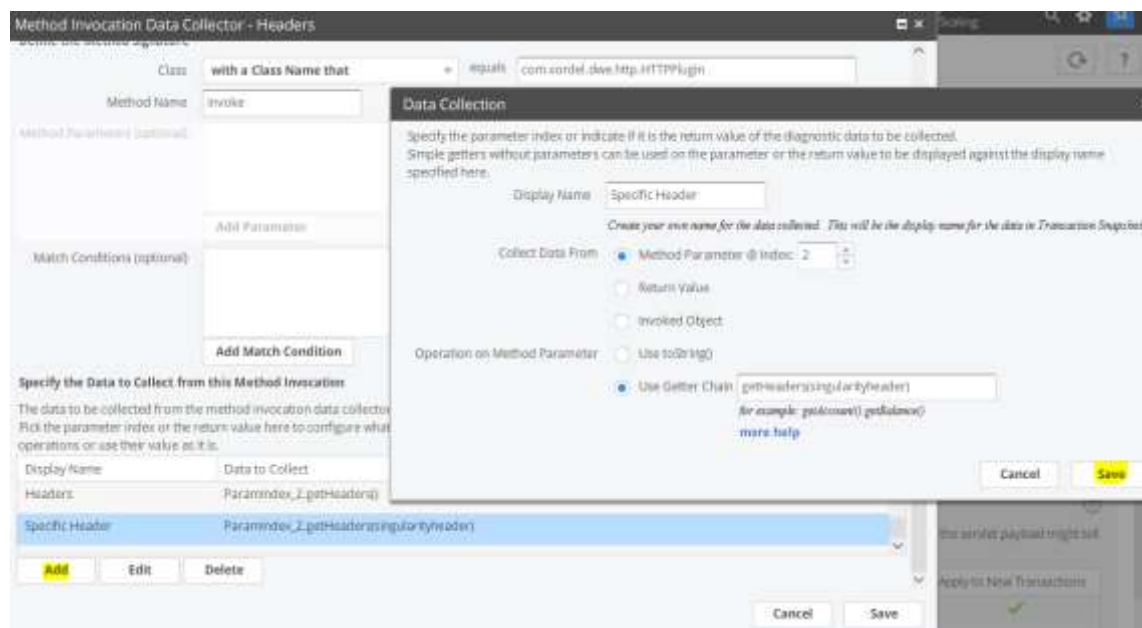
Configur

## Header Data Collector

Use the configuration below for all headers:

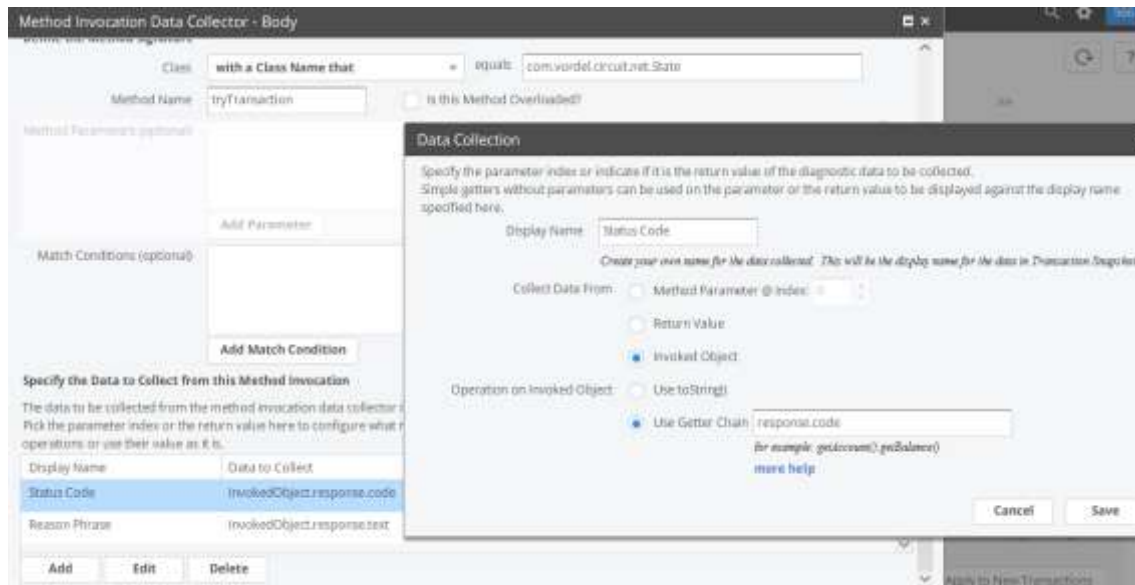


Use the configuration below for a specific header:

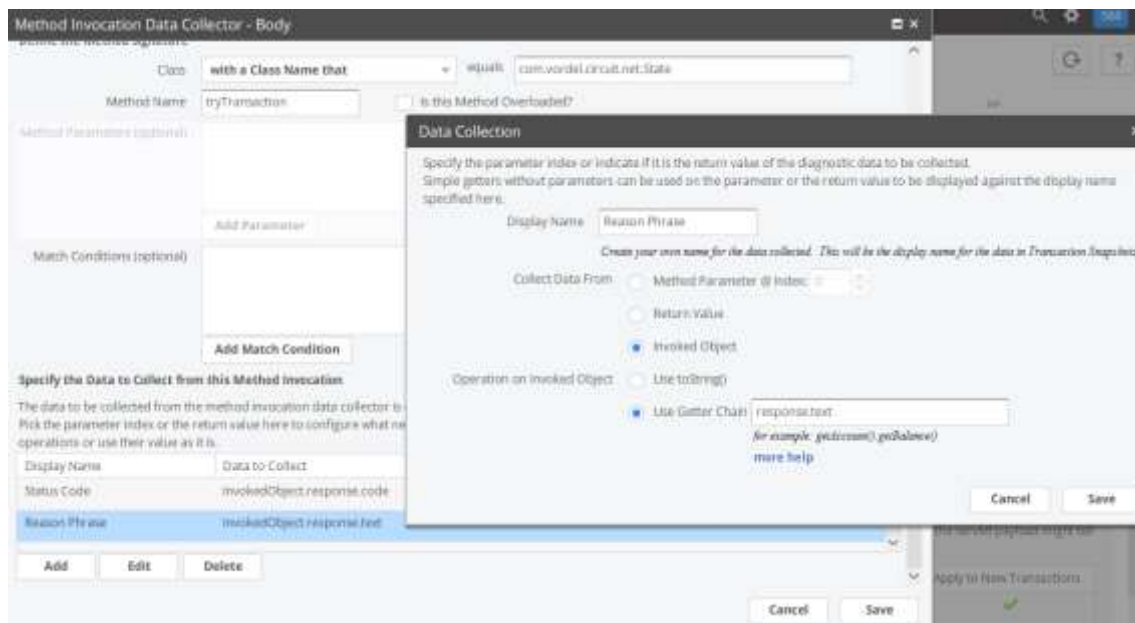


## “Status Code” and “Reason Phrase” Data Collector

Use the configuration below for “Status Code”:

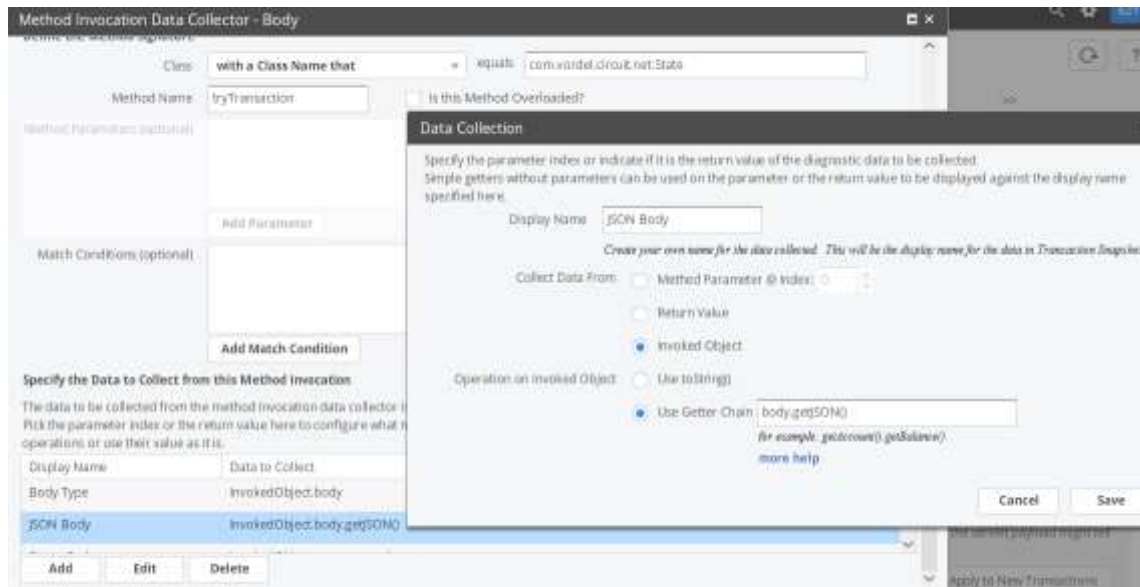


Use the configuration below for “Reason Phrase”:

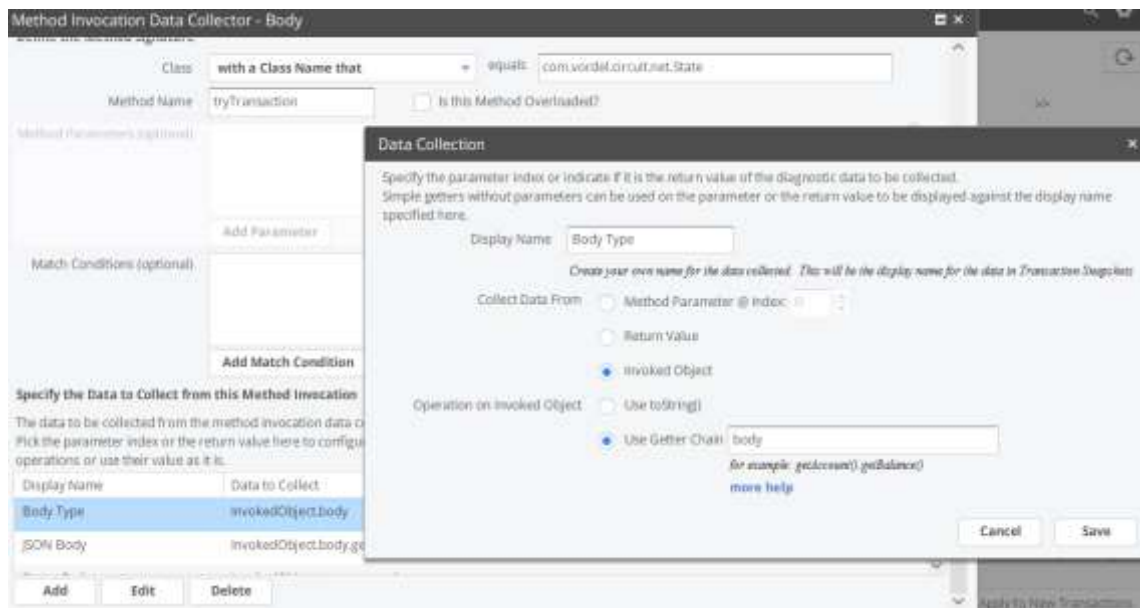


## “JSON Body” and “Body Type” Data Collector

Use the configuration below for “JSON Body”:



Use the configuration below for “Body Type”:



Note: The `com.vordel.mime.Body` class does not have a useful `toString()` function (it falls back to the `java.lang.Object` hashCode). Accordingly, it is not possible to get the string values of other body types, because they are normally only output as streams via the `com.vordel.mime.Body.write()` call. Ref: <https://support.axway.com/htmldoc/1433380>