



# Edge Advanced Mediation

## Service Callout & Mashups

# Service Callout

The Service Callout policy lets you call to another service from your API proxy flow.

Can be used for

- External use case - call 3rd party APIs

- Internal use case - call a proxy in the same organization and environment

The policy supports requests over HTTP and HTTPS. Also has Request and Response elements which is separate from the actual proxy request and response

A callout is typically used with two other policies: Assign Message (for the service callout request) and Extract Variables (to extract the service callout response)

# Service Callout (cont'd)

Target connection configurations supported in Service Callout:

- HTTPTargetConnection (external)
  - URL
  - Target Server (Load Balancer)
  - Target Server with SSLInfo
- LocalTargetConnection (internal)
  - APIProxy (proxy in the same organization and environment)
  - Proxy endpoint (proxy endpoint that should be the target of calls)
  - Path (path to the endpoint that is being targeted)

# Creating a Mashup

## Lab - Create your first Mashup


- Complete Lab using a Service Callout that uses the internal variable

# Mashing up the Responses

- Strategies for Mashups
  - Assign Message (simple, most constrictive)
  - Extract Variables, Assign Message (simple, constrictive)
  - JavaScript (flexible, complex)
  - Java (flexible, complex)
  - XSLT (flexible, complex)
  
- Choose a format that works for you!!

# A Mashed Up Response Sure but.....

- There is a lot of extra metadata we don't care about in the ratings response
- One method of cleansing your JSON of unwanted fields is to use the JavaScript policy, or you could extract out the fields you want with an Extract Variables policy, or a combination of both.

New Policy:  JavaScript

There are no scripts available to configure this policy.

Policy Display Name:

Policy Name:

Script File:

Script Name:

Attach Policy: ☒

Raw:

Segment: ☒ Request ☐ Response

Code: js\_clean\_ratings.js

```
1 try{
2   var servicescalloutcontent = context.getVariable('ratingsResponse.content');
3   var ratingsSourceObj = JSON.parse(servicescalloutcontent);
4   var cleanRatings = [];
5   cleanRatings = ratingsSourceObj.entities;
6   for(var i =0;i< cleanRatings.length; i++){
7     delete(cleanRatings[i].uid);
8     delete(cleanRatings[i].type);
9     delete(cleanRatings[i].created);
10    delete(cleanRatings[i].modified);
11    delete(cleanRatings[i].metadata);
12    delete(cleanRatings[i].track);
13  }
14  context.setVariable('ratingsResponse.content', JSON.stringify(cleanRatings));
15 }catch(exception){
16   context.setVariable('js_error', exception.message);
17 }
```

# Lab – Cleanup the Mashup

- Complete Lab using Javascript



THANK YOU