

# Unable to make Asynch non blocking call from Gateway script

Case	Status
TS012663928	Awaiting your feedback

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## Product

API Connect

## Description

I am trying to make asynchronous non blocking call from Gateway script.

I am using the below code in gateway script.

```
-----  
var urlopen = require('urlopen');  
var apiProductLogEvent = {"event":"Some Event"};  
var targetURL = 'https://xyz.com/';  
var payload = 'Action=SendMessage&MessageBody='+JSON.stringify(apiProductLogEvent);  
var options = {  
  target: targetURL,  
  method: 'POST',  
  contentType: 'application/x-www-form-urlencoded',  
  timeout: 10,  
  sslClientProfile: 'tls-client-profile-catalog-default',  
  data: payload  
};  
  
urlopen.open(options, function (error, response) {});  
-----
```

When there is not backend connectivity, The Gatewayscript waits for full 10 seconds as mentioned in the options.

Could you please let us know if there is a way to make a non blocking fire and forget request from API Gateway??

## Product Version

10.0.5

## Version

v10.0.5.0

## Component

Gateway

## Environment

Development

## Platform

OVA

**Business Impact**

Unable to complete the development

**Severity**

3 - Minor business impact

**Created**

6 Apr 2023(4 days old)

5:47 AM

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**Customer**

AXIS BANK LIMITED

**Client reference number****Team**

Akshay Rao (**case owner**)

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**Case history****6 Apr 2023**

09:37 AM CDT

**Eric. (IBM)**

Hello Akshay,

Thanks for your reply. Currently we don't have a way to achieve this - e.g. if urlopen is used in a gateway script policy then the gws policy will not terminate until after the response arrives or an error happens with urlopen - So asynchronous call is not supported in APIC.

If you would like to suggest this support in a future release, you can submit a Request for Enhancement (RFE) using the following link: <https://integration-development.ideas.ibm.com/?project=APICONN> (<https://integration-development.ideas.ibm.com/?project=APICONN>).

Thank you

09:37 AM CDT

**Eric. (IBM)** changed Status from *Waiting for IBM* to *Awaiting your feedback*.

07:49 AM CDT

**Akshay Rao (Customer)**

Hi Eric, Thanks for the reply.

We are using Data Power API Gateway, the new one. I am using this gateway script code in finally block. All I am trying to do is to invoke a backend HTTP service asynchronously from finally block on a separate connection and not wait for the result as this is just a logging call. After invoking I want to immediately send the actual API response back to the caller instead of waiting for logging invoke call to complete.

07:49 AM CDT

**Akshay Rao** (Customer) changed Status from *Awaiting your feedback* to *Waiting for IBM*.

06:06 AM CDT

**Eric. (IBM)**

Hello Akshay,

Thanks for contacting IBM API Connect Support Team. First of all, please let us know what kind of gateway are you using? DataPower API Gateway or v5 compatible gateway?

[https://www.ibm.com/docs/en/api-connect/10.0.5.x\\_lts?topic=appliance-configuring-datapower-gateway-api-connect](https://www.ibm.com/docs/en/api-connect/10.0.5.x_lts?topic=appliance-configuring-datapower-gateway-api-connect)

([https://www.ibm.com/docs/en/api-connect/10.0.5.x\\_lts?topic=appliance-configuring-datapower-gateway-api-connect](https://www.ibm.com/docs/en/api-connect/10.0.5.x_lts?topic=appliance-configuring-datapower-gateway-api-connect)).

From the problem description, please provide more details about "synchronous non blocking call". You want gateway to throw connection error immediately and do not wait for the 10 seconds timeout?

Thank you

06:06 AM CDT

**Eric. (IBM)** changed Status from *New Case* to *Awaiting your feedback*.

05:47 AM CDT

**Akshay Rao** (Customer) created this case