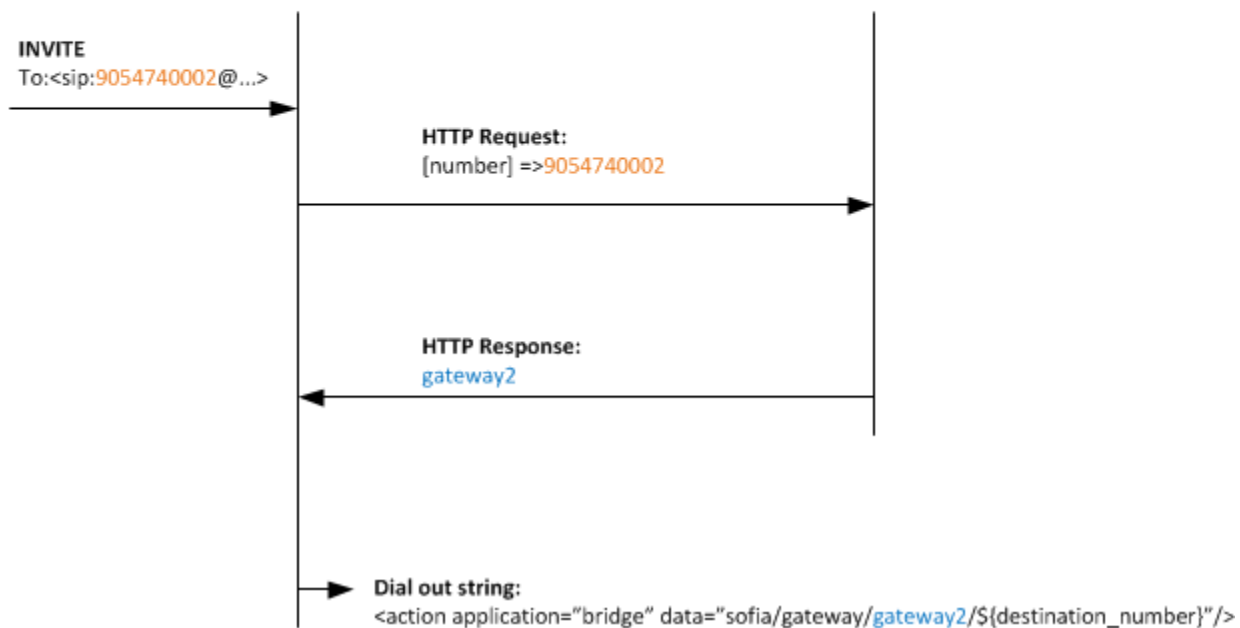


# HTTP-based Dynamic Call Routing

## Outbound SIP Trunks

The dialplan can be configured to perform HTTP requests and route the call based on the HTTP response.



To do this, you will need to use the **curl** application inside your call routing table to perform the HTTP request. The return value from the HTTP request will be stored in the variable **curl\_response\_data**, and return code **curl\_response\_code**.

Example call routing:

```
<extension name="to-gateway">
  <condition field="${destination number} expression="(.)">
    <action application="curl" data="http://mywebservice.com/getnumber.php?number=${destination_number}"/>
    <action application="log" data="Dialing out on gateway:${curl_response_data} response-code:${curl_response_code}"/>
    <action application="bridge" data="sip/gateway/${curl_response_data}/${destination_number}"/>
  </condition>
</extension>
```

Your Web Server should return a response like this:

gateway1

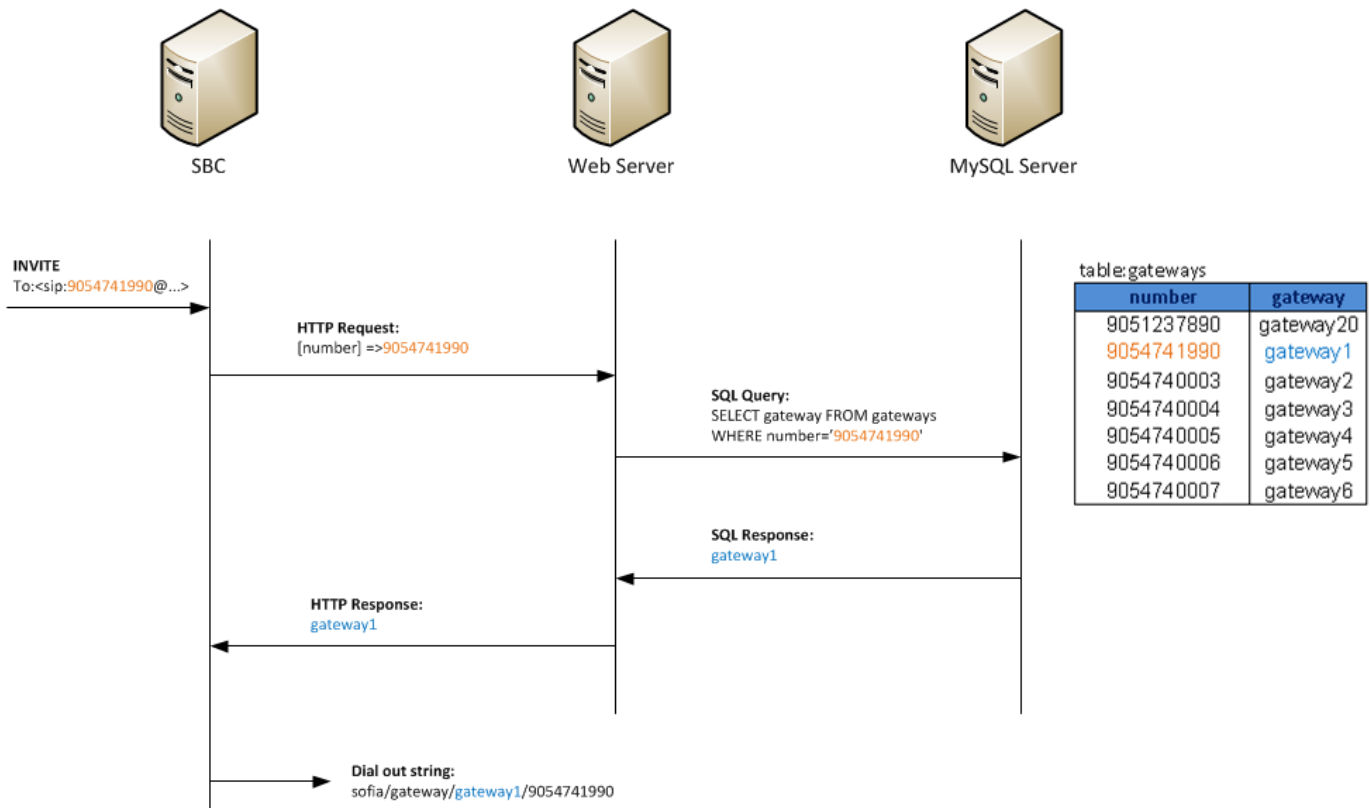
## Sample code

A sample php code that you can use for debug can be downloaded from this link:  
[Sample Test PHP script](#)

The sample code will always return 'gateway1'.

## Sample code to query database

The webserver can be extended to retrieve the gateway name from a database.



You can download the sample PHP code that will connect to a MySQL Database from the link below:  
[Sample PHP Script](#)

The sample PHP script accepts the following parameters:  
**db\_url:** URL of database to connect to. Default: *localhost*  
**db\_user:** Username to connect to database. Default: *root*  
**db\_password:** Password to connect to database. Default: *sangoma*  
**db\_name:** Database name. Default: *sangoma\_sbc*  
**db\_table:** Table name. Default: *gateways*  
**db\_number\_column:** Name of column that contains the number to look-up. Default: *number*  
**db\_gateway\_column:** Name of column that contains the gateway name. Default: *gateway*

So the generated SQL query is:

```
SELECT <db_gateway_
column> FROM <db_ta
ble> WHERE <db_num
ber_column>=<number>
```

For example, using this line from the dialplan:

```
<action application="curl" data="http://localhost/getgateway.php?  
db_table=gateways&db_number_column=number&db_gateway_column=gateway&number=9054741990"/>
```

Will result in this SQL query:

```
SELECT gateway FROM gateways WHERE number=  
9054741990
```