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# Developer's Guide

Test with GWM Proxy

# Test with GWM Proxy



**Purpose:** To configure and run the GWM Proxy.

This proxy is a development tool, which enables you to test your application without adding the JavaScript Tracking code to your website. Once you have configured this proxy, you can launch it and start the Genesys Web Engagement servers to start testing your application by emulating visit on your website.

## Contents

- [1 Test with GWM Proxy](#)
  - [1.1 Configure and Start GWMPProxy](#)
  - [1.2 Injecting code in the HTTP Response of the GWMPProxy](#)

## Configure and Start GWMProxy

### Retrieve the GWMProxy Port

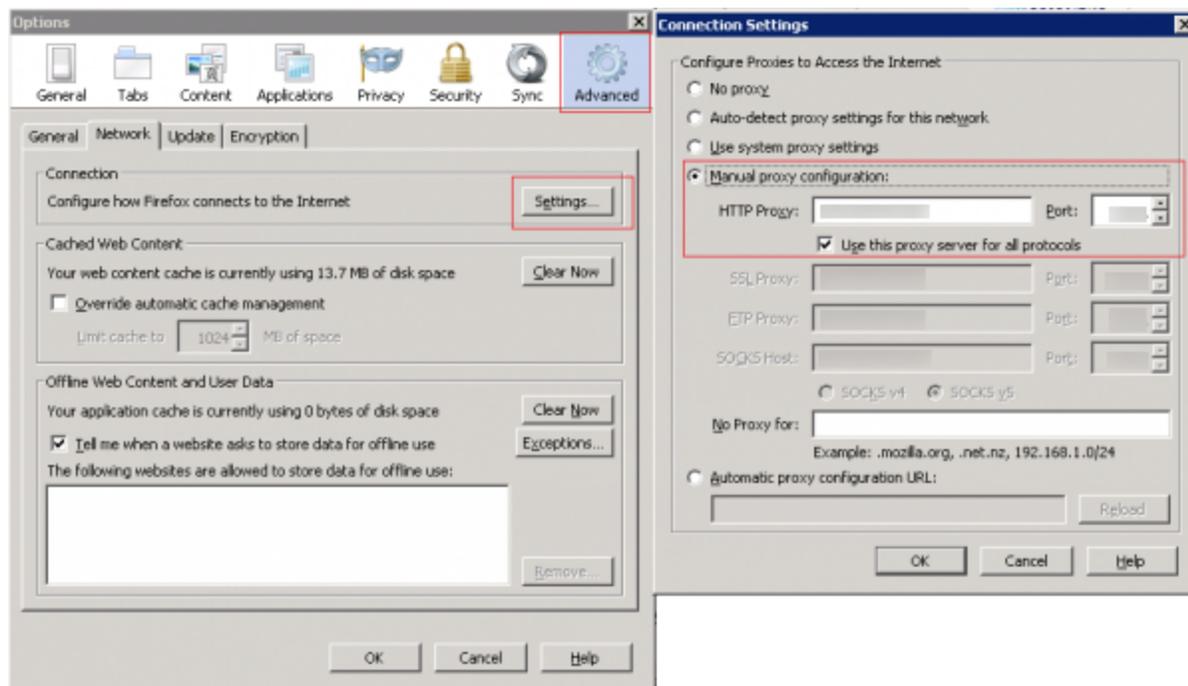
1. Navigate to `C:\Users\\GWMProxy`.  
If this folder does not exist, navigate to your Web Engagement installation directory and launch `servers\proxy\startserver.bat`. GWMProxy appears automatically.
2. Edit `config.xml` and find the tag `<proxy>`.
3. Check that the value of `<ip>` tag is set to your host IP address;  
Values `127.0.0.1` or `localhost` are not allowed!
4. Note the value of the `<port>` tag (usually `15001`), required to set up your browser.

### Start the Proxy

Navigate to your Web Engagement installation directory and launch `servers\proxy\startserver.bat`. The GWMProxy starts.

### Set Up your Web Browser

1. Start your Web Browser.
2. Open your Internet settings. For instance, in Mozilla Firefox, select `Tools > Options`. The `Options` dialog window appears.
3. Select `Advanced`, and in the `Network` tab, click `Settings...`. The `Connection Settings` dialog windows appears.
4. Select the `Manual proxy configuration` option:
  - Enter your host IP address in the `HTTP proxy` text box;
  - Enter the port used by the GWMProxy in the `Port` text box;
  - Select the option `Use this proxy server for all protocols`.
5. Click `OK`. Now your browser is using the GWMProxy which will inject the Web Engagement tracking code to the webpages of the monitored domain.



GWMProxy used in Firefox

## Injecting code in the HTTP Response of the GWMProxy

Going further, you can edit the `map.xml` file available in the `/tools/proxy` directory to customize the code injected in the HTTP response retrieved through the proxy. In that purpose, you must insert your code under the `<content></content>` elements of `map.xml` with CDATA masking. If you want to browse a secure domain, insert your code under `<secure><content>...</content></secure>` elements, otherwise, use the `<simple><content>...</content></simple>` element.

In the root `<map>` tag, the "replace" attribute uses regular expressions to specify where the code must be injected. For instance, the string `"%s </head>"` means that the `"%s"` code must be added before `</head>` tag `"</head>"`.

Do not forget to restart proxy when you are done with your modifications.

The following `map.xml` file injects the DSL code in the HTTP response.

```
<?xml version="1.0"?>
<mapping>
  <map replace="%s </head>" domains="genesyslab.com;www.genesyslab.com;www-ssl.genesyslab.com;default.proxy.lucent.com">
    <simple>
      <content>
        <![CDATA[<script>
          var _gt = _gt || [];
          _gt.push(['config', {
            'name': 'genesyslab.com',
            'domainName' : 'genesyslab.com',
```

```
        'languageCode': 'en-US',
        'mobile': false,
        'dslResource': 'http://demosrv:8081/frontend/resources/dsl/
domain-model.xml',
        'secureDslResource': 'https://demosrv:8443/frontend/resources/
dsl/domain-model.xml',
        'httpEndpoint': 'http://demosrv:8081',
        'httpsEndpoint': https://demosrv:8443'}}]);
    (function() {
    javascript'; gt.async = true;
    gt.src = ('https:' == document.location.protocol ?
'https://demosrv:8443' :
'http://demosrv:8081') +
'/frontend/resources/js/GTC.js';
    var gts = document.getElementsByTagName('script')[0];
    gts.parentNode.insertBefore(gt, gts);
    })();
</script>
]]>
    </content>
  </simple>
</map>
</mapping>
```

## Checking Hosts in Window\System32 Configuration

Edit the c:\Windows\System32\drivers\etc\hosts file with a text editor. Make sure that your IP address is correctly associated with your host's complete name. For instance:

```
192.168.3.103 MyHostName MyHostName.MyWebSite.com
```

If you are using a Genesys Demo image and if you changed your machine IP Address, demosrv.genesyslab.com may still be referred in some genesys server configuration and prevent theses servers from working correctly. Add the following declaration to bypass this issue:

```
127.0.0.1 demosrv.genesyslab.com
```

In addition, navigate to C:\Users\Administrator\My Documents\Documentation\DemoPlatform\Changing IP Address and read machine.txt for further information.