

Working With a Proxy Server

Introduction

A Proxy Server is a server used for forwarding requests of clients to a remote server. The proxy server works like a gateway between the client and the internet: the client will send the request to the proxy server; the proxy server sends it to the actual remote server and gets the response; then the proxy server sends the response to the client.

http://simple.wikipedia.org/wiki/Proxy_server

The following article shows how a Repertoire Server can be deployed to work behind a firewall.

Apache Web Proxy Server

http://httpd.apache.org/docs/2.0/mod/mod_proxy.html

The Apache Web Server can be configure as a Reverse Proxy Server to allow internet clients to access services from a Repertoire Server.

A reverse proxy appears to the client just like an ordinary web server. No special configuration on the client is necessary. The client makes ordinary requests for content in the name-space of the reverse proxy. The reverse proxy then decides where to send those requests, and returns the content as if it was itself the origin.

A typical usage of a reverse proxy is to provide Internet users access to a server that is behind a firewall.

Configuration of Apache Web Proxy Server

The following are the general steps to configure the Apache Web Proxy Server:

- Ensure that the `mod_proxy_http`, `mod_proxy` are enabled
- A sample **httpd.conf** showing how a reverse proxy can be setup.

```
../Apache Software Foundation/Apache2.2/conf/httpd.conf
```

```
...
```

```
ServerName proxy.elixirtech.com:80
```

```
...
```

```
ProxyRequests Off
```

```
<Proxy *>
```

```
Order deny,allow
```

```
Allow from all
```

```
</Proxy>
```

ProxyPass / <http://192.168.1.20:8080/>
ProxyPassReverse / <http://192.168.1.20:8080/>

...

Administration Console via Proxy

- To access the Administration Console of the Repertoire Server
- <http://proxy.elixirtech.com:80/login.html>

REST API via Proxy

Once your proxy server is successfully setup, you will be able to use the Repertoire Server's REST API via the Proxy

<http://proxy.elixirtech.com:80/report/ElixirSamples/Report/Grouping/Customer> Distribution with Grouping.rml?mime-type=application/pdf

Remote Designer via Proxy

1. To launch the Remote Designer via Proxy, some modification is required for `./config/remote.jnlp.template`.
2. Replace codebase attribute from "`${Protocol}://${Server}:${Port}/jnlp`" to "<http://your proxy server name:your proxy server port/jnlp>"
3. Insert the following xml tags after the `${Arguments}`

```
<argument>-server</argument>  
<argument>your proxy server name</argument>  
<argument>-port</argument>  
<argument>your proxy server name</argument>
```

- Once completed, the Remote Designer would be able to launch via a Proxy.
- <http://proxy.elixirtech.com:80/remote/remote.jnlp>

Summary

In general, Repertoire Server will work with proxy servers. Please check with your proxy server's documentation for configuration details.