

JAVA EXAMPLES - FIND PROXY SETTINGS

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Problem Description:

How to find proxy settings of a System?

Solution:

Following example shows how to find proxy settings & create a proxy connection on a system using put method of systemSetting & getResponse method of HttpURLConnection class.

```
import java.net.HttpURLConnection;
import java.net.URL;
import java.util.Properties;
import java.net.InetSocketAddress;
import java.net.Proxy;
import java.net.ProxySelector;
import java.net.URI;

public class Main{
    public static void main(String s[])
        throws Exception{
        try {
            Properties systemSettings =
                System.getProperties();
            systemSettings.put("proxySet", "true");
            systemSettings.put("http.proxyHost",
                "proxy.mycompany1.local");
            systemSettings.put("http.proxyPort", "80");
            URL u = new URL("http://www.google.com");
            HttpURLConnection con = (HttpURLConnection)
                u.openConnection();
            System.out.println(con.getResponseCode() +
                " : " + con.getResponseMessage());
            System.out.println(con.getResponseCode() ==
                HttpURLConnection.HTTP_OK);
        }
        catch (Exception e) {
            e.printStackTrace();
            System.out.println(false);
        }
        System.setProperty("java.net.useSystemProxies",
            "true");
        Proxy proxy = (Proxy) ProxySelector.getDefault().
            select(new URI("http://www.yahoo.com/")).iterator().
            next();
        System.out.println("proxy hostname : " + proxy.type());
        InetSocketAddress addr = (InetSocketAddress)
            proxy.address();
        if (addr == null) {
            System.out.println("No Proxy");
        }
        else {
            System.out.println("proxy hostname : "
                + addr.getHostName());
            System.out.println("proxy port : "
                + addr.getPort());
        }
    }
}
```

Result:

The above code sample will produce the following result.

```
200 : OK
true
proxy hostname : HTTP
proxy hostname : proxy.mycompany1.local
proxy port : 80
```