# Fichier secure serveur tcp pour ssl en JAVA

import java.io.\*; import java.net.\*; import javax.net.ssl.SSLServerSocket;

import javax.net.ssl.SSLServerSocketFactory; import javax.net.ssl.SSLSocket;

public class secureserveurtcp {

private static int port;

public static void main (String [] args) throws Exception {

 boolean boucle = true;

 Reader readersoc;

 PrintStream a\_envoye=null;

 Socket soc;

 String line;

 if(args.length != 1) {

 System.out.println("usage : java secureserveurtcp port"); System.exit(0); }

 port = Integer.parseInt(args[0]);

 try {

 SSLServerSocketFactory sslserversocketfactory =(SSLServerSocketFactory) SSLServerSocketFactory.getDefault();

 SSLServerSocket sslserversocket =(SSLServerSocket) sslserversocketfactory.createServerSocket(port);

 System.out.println("La socket serveur securise est cree");

while (true) {

 boucle = true;

 SSLSocket sslsocket = (SSLSocket) sslserversocket.accept();

 readersoc = new InputStreamReader(sslsocket.getInputStream());

 a\_envoye = new PrintStream(sslsocket.getOutputStream());

 BufferedReader datarecu = new BufferedReader (readersoc);

 while (boucle) {

 line = datarecu.readLine();

 System.out.println("Vous avez saisi : " + line);

 if(line.equals("FIN")) {

 boucle = false;

 line = null;

 sslsocket.close(); }

 else {

 StringBuffer lineReversed = (new StringBuffer(line)).reverse();

 a\_envoye.println(lineReversed); }

 }

 }

 } catch (Exception exception) {

 exception.printStackTrace();} }}

# Fichier secure client tcp pour ssl en JAVA

import java.io.\*;

import java.net.\*;

import javax.net.ssl.SSLSocket;

import javax.net.ssl.SSLSocketFactory;

public class secureclienttcp

{

 private static int port;

 public static void main (String [] args) throws Exception

 {

 String adresse, line, lineReversed;

 Reader readSoc;

 PrintStream a\_envoye=null;

 if(args.length != 2) {

 System.out.println("usage : java secureclienttcp nom\_serveur port");

 System.exit(0); }

 adresse = args[0];

 port = Integer.parseInt(args[1]);

 try {

 SSLSocketFactory sslsocketfactory = (SSLSocketFactory)SSLSocketFactory.getDefault();

 SSLSocket sslsocket = (SSLSocket)sslsocketfactory.createSocket(adresse, port);

 Reader reader = new InputStreamReader(System.in);

 BufferedReader keyboard = new BufferedReader(reader);

 a\_envoye = new PrintStream(sslsocket.getOutputStream());

 readSoc = new InputStreamReader(sslsocket.getInputStream());

 BufferedReader RecuSoc = new BufferedReader (readSoc);

 while (true) {

 System.out.println("Entrez une ligne de texte : ");

 line = keyboard.readLine();

 a\_envoye.println(line);

 // si on a tape "FIN" on quitte le client

 if(line.equals("FIN")) break;

 lineReversed = RecuSoc.readLine();

 System.out.println("Recu : " + lineReversed); }

 // fermeture de la socket

 sslsocket.close();

 } catch (Exception exception) {exception.printStackTrace();} }

}

# Fichier client tcp socket pour serveur https en JAVA

import javax.net.ssl.SSLSocket;

import javax.net.ssl.SSLSocketFactory;

import java.io.\*;

public class Httpsclient {

 public static void main(String[] arstring) {

 try {

 SSLSocketFactory sslsocketfactory = (SSLSocketFactory)SSLSocketFactory.getDefault();

 SSLSocket sslsocket = (SSLSocket)sslsocketfactory.createSocket("nom\_serveur\_web", 443);

 System.out.println("connexion passee");

 PrintStream a\_envoye = new PrintStream(sslsocket.getOutputStream());

 InputStreamReader readSoc = new InputStreamReader(sslsocket.getInputStream());

 BufferedReader RecuSoc = new BufferedReader (readSoc);

 String line="GET / HTTP/1.1\r\nHost:nom\r\n\r\n";

 A\_envoye.println(line);

 String string = null;

 while ((string = RecuSoc.readLine()) != null) {

 System.out.println(string);

 }

 } catch (Exception exception) {

 exception.printStackTrace();

 }

 }

}

# Fichier client utilisant httpsurlconnection en JAVA

import java.net.MalformedURLException;

import java.net.URL;import java.security.cert.Certificate;

import java.io.\*;

import javax.net.ssl.HttpsURLConnection;

import javax.net.ssl.SSLPeerUnverifiedException;

public class Httpsclient{

 public static void main(String[] args)

 {

 new Httpsclient().testIt();

 }

 private void testIt(){

 String https\_url = "https://a\_remplir/";

 URL url;

 try {

 url = new URL(https\_url);

 HttpsURLConnection con = (HttpsURLConnection)url.openConnection();

 //dump all the content

 print\_content(con);

 } catch (MalformedURLException e) {

 e.printStackTrace();

 } catch (IOException e) {

 e.printStackTrace(); } }

 private void print\_content(HttpsURLConnection con){

 if(con!=null){

 try {

 System.out.println("\*\*\*\*\*\* Content of the URL \*\*\*\*\*\*\*\*"); BufferedReader br = new BufferedReader(

 new InputStreamReader(con.getInputStream()));

 String input;

 while ((input = br.readLine()) != null){

 System.out.println(input);

 }

 br.close();

 } catch (IOException e) {

 e.printStackTrace();}

 } }}