



Testing HTTPS certificate on Android

Using the DME *TestHTTPSConnection* utility

Document version:	1.0
Date:	2010-10-01
Circulation/Restrictions:	Public
Applies to:	Android phone users

Table of contents

Disclaimer	2
About the TestHTTPSConnection tool	3
Using the TestHTTPSConnection tool.....	3
Step-by-step guide	3
Results	3

Disclaimer

The procedures and descriptions given in the following are meant as a guideline only. Each customer's setup may differ from the premises assumed when developing this documentation. Excitor A/S cannot assume any liability or be held responsible for the effects of the changes made to a customer's setup on the basis of this documentation, regardless whether the instructions set forth were followed or not.

About the TestHTTPSConnection tool

In order to help you verify that the HTTPS certificate installed on the DME server can be used in connections with your Android device, we have created a small utility (21 KB).

The tool is not on Android Market. It must therefore be downloaded from here:

<http://install.excitor.dk/files/devices/android/TestHTTPSConnection.apk>

Before you install the APK, you need to enable the following Android setting:

Menu -> Settings -> Applications -> Unknown sources

When this setting is made, you are able to install applications from outside Android Market – manually, unsigned, and without any assurances. All Android application security restrictions still apply, but this setting allows for non-Android Market application installations.

When installed, you can reset the **Unknown sources** setting again.

The **TestHTTPSConnection** tool is Copyright © 2010 Excitor A/S.

Using the TestHTTPSConnection tool

When you launch the utility, it will prompt for a fully qualified domain name, such as `dme.example.com`, with the port set to 5011 by default.

Press the **Run test** button. The utility attempts to make an HTTPS connection to the specified site, in the same way that the DME client does. After the connection attempt, the utility may display one of two messages:

- **Test status: OK** if the connection was successful.
- **ERROR – Server certificate error** if the connection failed.

If the connection failed, a number of suggestions to the nature of the problem are listed.

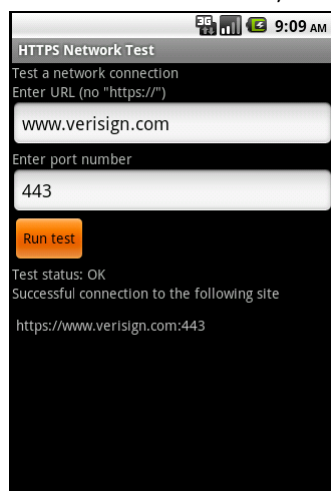
Step-by-step guide

When you start the application, you see a screen with two text entry fields.

1. Enter the URL you want to test, without adding `https://` first.
2. Enter the port number on which the DME server should respond (typically 5011).
3. Tap **Run test**.

Results

If the connection is successful, the utility will respond with the message **Test status: OK** as below.



If the connection is unsuccessful, the utility will respond with a message informing you that the certificate is either not supported (in the certificate root store on the Android device you are using), or the rootCA is not installed correctly on the DME server, as below:

