

Making SSL work on a legacy devices

Question:

SSL Certificate is not recognized as valid on legacy devices (Android 4X, Old IOS). How to fix?

Answer:

That is possible for Comodo Certificates.

The main thing you should know is that you will need to make some changes to a certificates chain.

On an example of Apache 2.4.9 please [follow a guide on how to set up SSL](#).

After everything has been done and your website resolves as HTTPS correctly, do the following:

1. Find and open your current certificate in a text editor ;

(You can check configuration to find a path to a certificate: e.g. /etc/apache2/sites-enabled/000-default.conf for Ubuntu includes path for certificate and string 'SSLCertificateFile /etc/ssl/certs/ssl-cert-snakeoil.pem' shows certificate location itself. From system to system paths may vary.)

2. Open your site certificate in a text editor.

Add there two blocks including root and specific intermediate chain below site certificate ;

For example if certificate initially included:

-----BEGIN CERTIFICATE-----

MIIftDCCBJygAwIBAgIQE553nZKKeoPq1kf6iN7auDANBgkqhkiG9w0BAQsFADCB
jzELMAkGA1UEBhMCROlxGzAZBgNVBAgTEkdyZWFOZXlgtWFuY2hlc3RlcjEQMA4G
A1UEBxMhU2FsZm9yZDEYMBYGA1UEChMPU2VjdGlnbyBMaW1pdGVkMTcwNQYDVQQD
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MB4XDTEwMDQyMDAwMDAwMFOxDTIxMDQyMTIzNTk1OVowFTETMBEGA1UEAxMKaG9z
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-----END CERTIFICATE-----

Then after changes it will look like:

-----BEGIN CERTIFICATE-----

MIIfTDCCBjygAwIBAgIQE553nZKKeoPq1kf6iN7auDANBgkqhkiG9w0BAQsFADCB
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-----END CERTIFICATE-----

-----BEGIN CERTIFICATE-----

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cnNleSBDaXR5MR4wHAYDVQQKEExVUaGUgVVNFUIRSVVNUIE5ldHdvcmxsljAsBgNV
BAMTJVVTRVJUcnVzdCBSU0EgQ2VydGlmawNhdGlvbiBBdXRob3JpdHkwHhcNMTgx
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BAgTEkdyZWFOZXIgtWTFuY2hlc3RlcjEQMA4GA1UEBxMhU2FsZm9yZDEYMBYGA1UE
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VmFsaWRhdGlvbiBTZWN1cmUgU2VydmlvYiENBmIIBjANBgkqhkiG9w0BAQEFAAOC
AQ8AMIIBCBgKCAQEA1nMz1tc8INAA0hdFuNY+B6l/x0HuMjDJsGz99J/LEpgPLT+N
TQEMgg8Xf2lu6bhlefsWg06t1zllk7cHv7IQP6IMw0Aq6Tn/2YHKHxYyQdqAJrkj
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BgEFBQcBAQRqMGgwPwYIKwYBBQUHMAKGM2h0dHA6Ly9jcnQudXNIcnRydXN0LmNv
bS9VU0VSvhJ1c3RSU0FBZGRUcnVzdENBLmNydDAjBggrBgEFBQcwAYYZaHR0cDov
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sbZXQm2V0TP2ORQGgkE49Y9Y3IBbpNV9IXj9p5v//cWoaasm56ekBYdbqbe4oyAL

Green is a website certificate, **Red** = root, **Blue** = special AAA intermediate certificate.

Attention! Root and intermediates may vary. Refer to actual ones from this [article](#).

Check configuration:

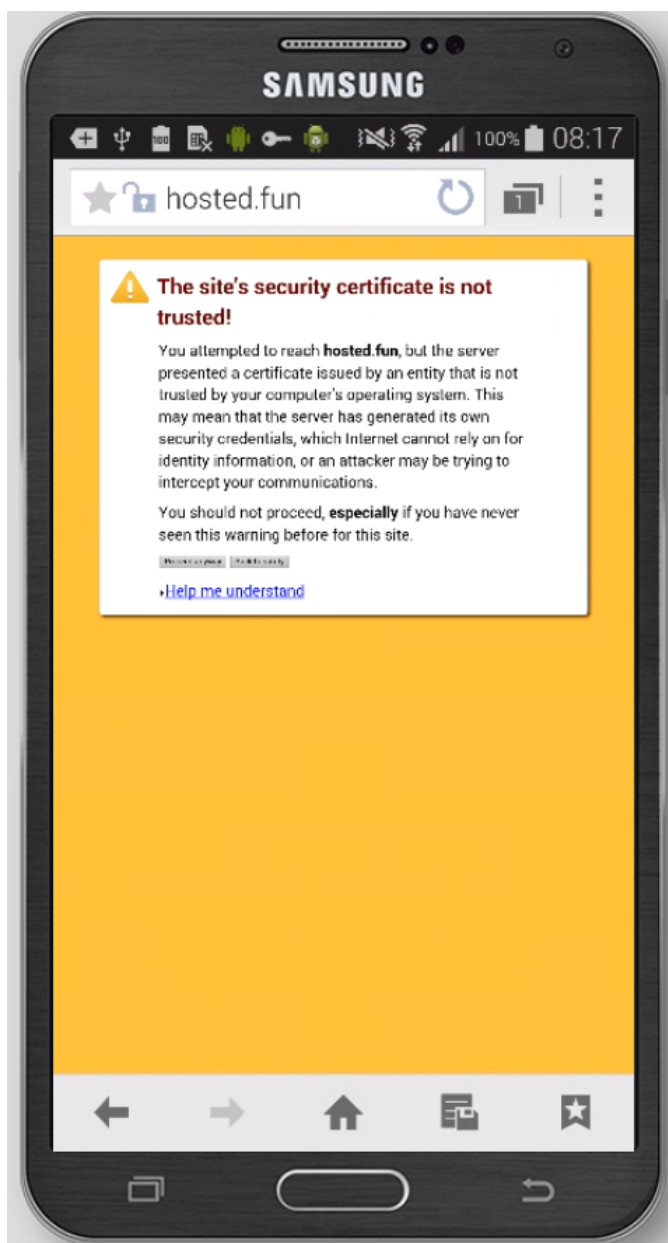
```
apachectl -t
```

Reboot apache:

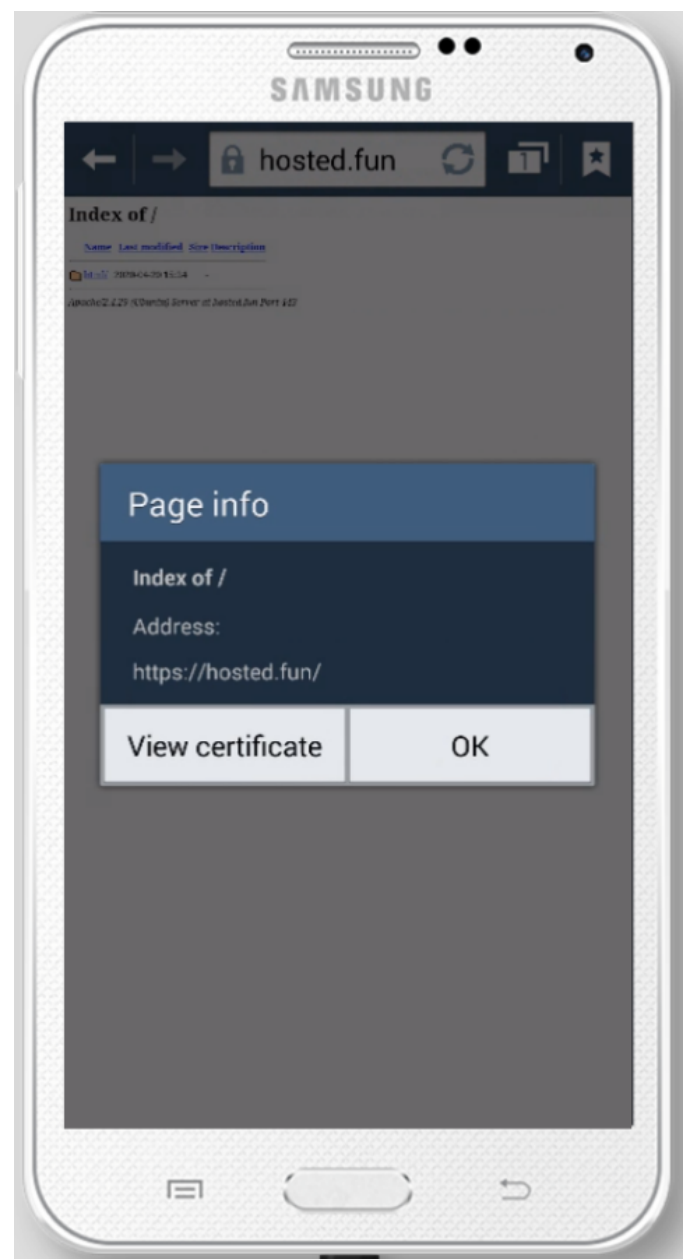
```
sudo service apache2 reload
```

Changes reflects immediately, your SSL Certificate will be shown as trusted and valid in both modern and legacy browsers.

Before (Android 4.4)



After (Android 4.4)



Revision #2

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