QA Plan for
Transmission Security
And
Client Side Certificate

Version 2.0

By ViCarePlus Team

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Revision History

Version	Date	Author	Reviewed By
1.0	12/16/09	ViCarePlus Team	Team
2.0	02/17/10	ViCarePlus Team	Team

Table of Contents

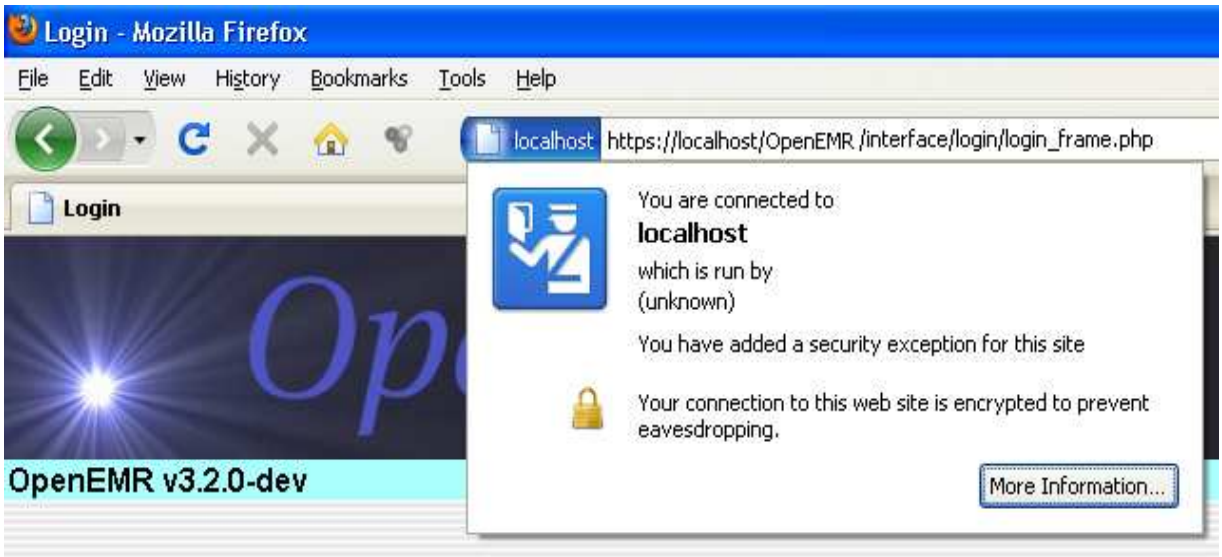
I. SSL implementation

1. Follow the instructions in Administration -> Other -> Certificates to configure Apache to use HTTPS

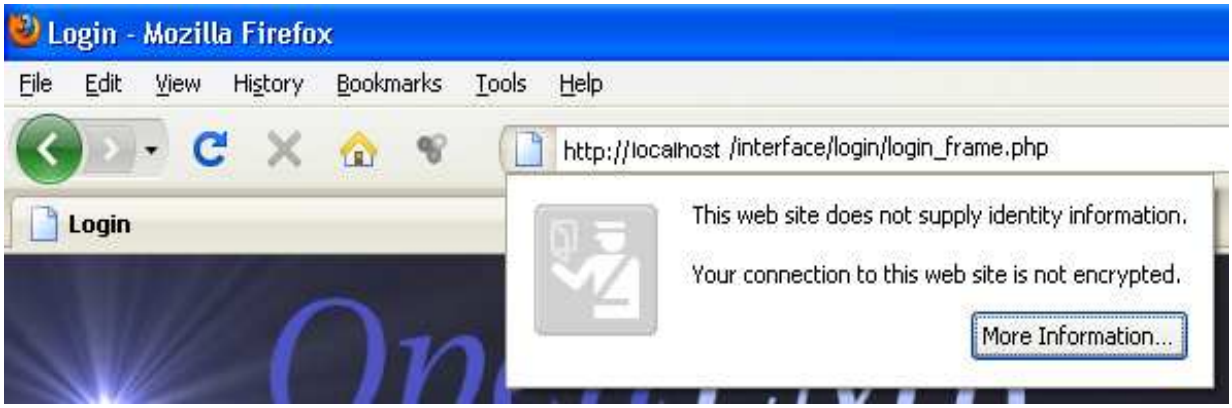
2. After enabling HTTPS please type https://localhost/openemr
(Add security exception of self signed certificate)

Even the user try to access the application (say http://localhost/openemr) via http, it automatically redirects to the https. Application it self enforce to use https.

In this screenshot you can notice  lock icon with comment as "*Your connection to this website is encrypted to prevent eavesdropping";* this ensures that the communication is secured by SSL.



Failed Scenario: If the server is not configured properly with https then it shows the following information.

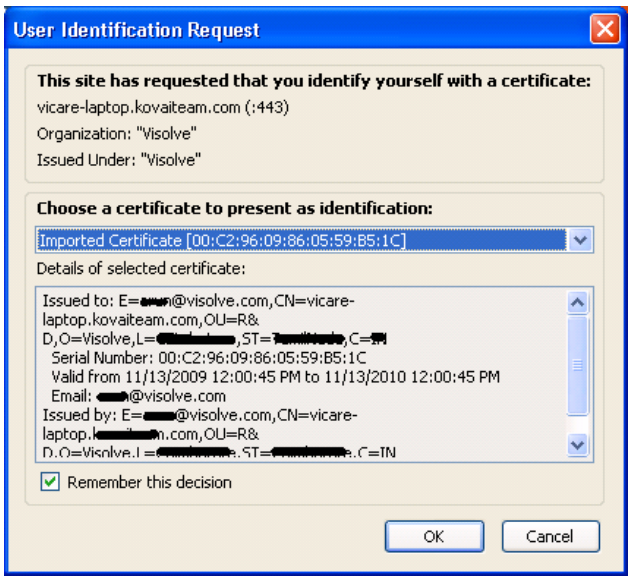


II. Client side certificate validation Enabled.

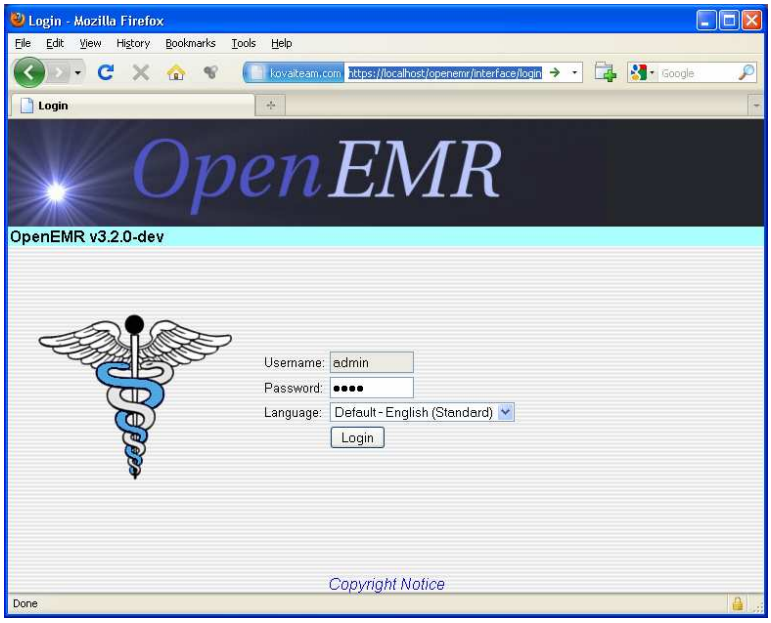
1. Follow the instructions in Administration -> Other -> Certificates to configure Apache and Openemr to enable client side SSL certificates.
2. In Administration -> Other -> Certificates, Create a client side SSL certificate for the user or host name, download the certificate and import to the browser.

3. Type https://localhost/openemr

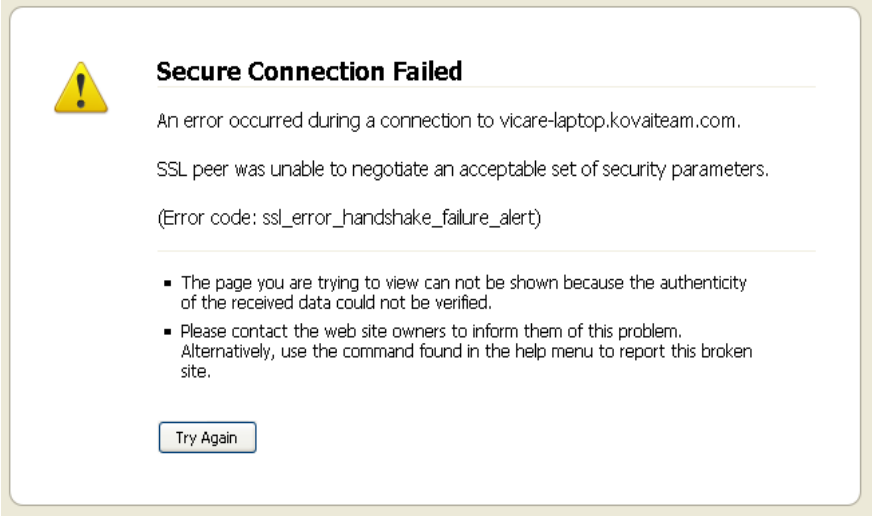
Browser will list the installed certificates. Choose the appropriate certificate and select 'ok'.



4. Provide user name and password and enjoy playing with Openemr.



Failed Scenario: If the client validation failed or the Certificate is not present, it will display the following error.



III. Client Side Certificate validation Disabled.

When Client certificate authentication is disabled by following instructions in Administration -> Other -> Certificates

Test

1. Type https://localhost/openemr hit enter, it should not ask for any client certificate.