

eSync - VPN Certificates renewal

1. Introduction

eSync VPN certificates have a validity of 10 years, starting at the creation date. When they are about to expire, you have to regenerate new certificates valid for ten new years.

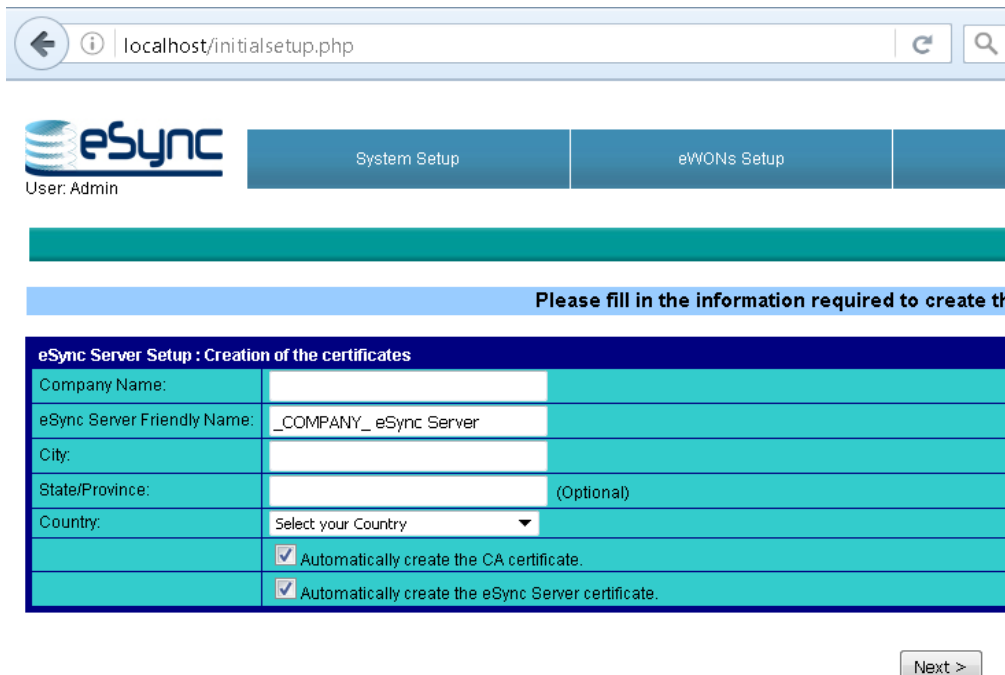
If your certificates are already not valid anymore, all the VPN connections between the eWONs and eSync are then lost and there is no way to recover them.

You'll have therefore to connect the eWON locally to be able to update the certificates and key.

This KB describes the procedure to follow for regenerating these certificates.

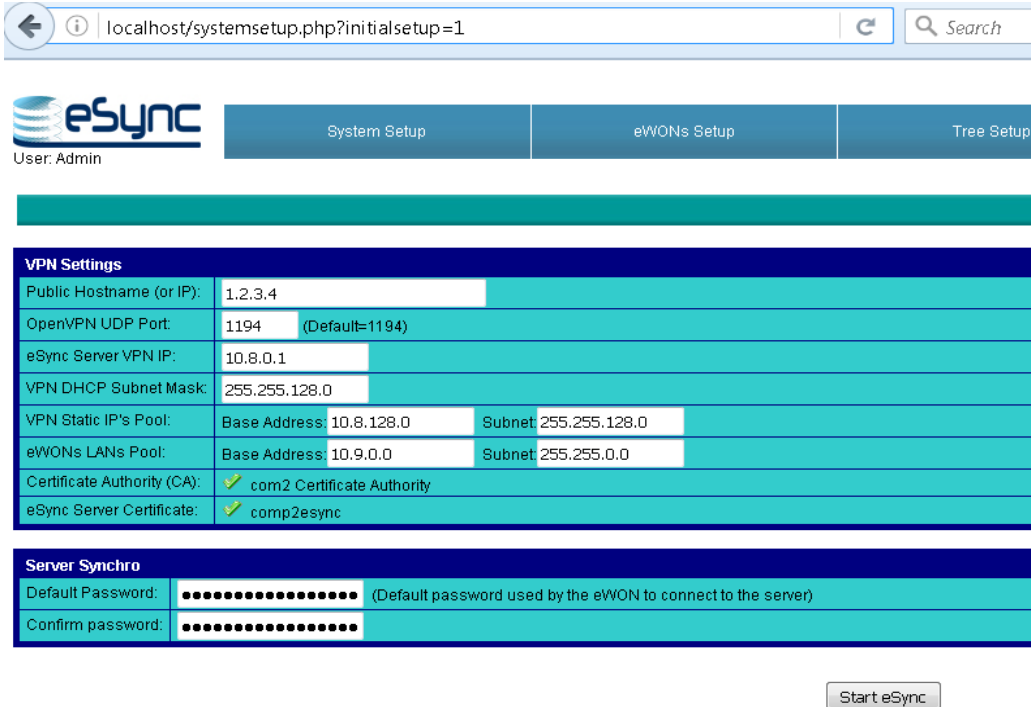
2. Procedure

- If your VPN certificates are still valid, make sure your VPN server is running fine and every eWON is connected to it.
- Replace the directory C:\eSync\OpenVPN\Certificates\keys by the directory attached to this KB document. This \keys directory contains, among others, your old CA and server certificates
- Open your web browser and go to the page <http://localhost/initialsetup.php>



Fill the different fields and click next. This will generate new CA and Server certificates.

- If the operation is processed successfully, you should get the below result :

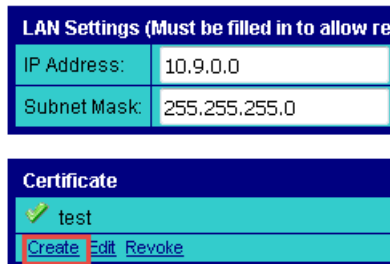


VPN Settings	
Public Hostname (or IP):	1.2.3.4
OpenVPN UDP Port:	1194 (Default=1194)
eSync Server VPN IP:	10.8.0.1
VPN DHCP Subnet Mask:	255.255.128.0
VPN Static IP's Pool:	Base Address: 10.8.128.0 Subnet: 255.255.128.0
eWONs LANs Pool:	Base Address: 10.9.0.0 Subnet: 255.255.0.0
Certificate Authority (CA):	<input checked="" type="checkbox"/> com2 Certificate Authority
eSync Server Certificate:	<input checked="" type="checkbox"/> comp2esync

Server Synchro	
Default Password: (Default password used by the eWON to connect to the server)
Confirm password:

Do not click the "Start eSync" button yet !!!
Let just this page opened.

- Open a new tab and go to the page "http://localhost/ewonssetup.php"
There, we will regenerate the client certificate of each eWONs.
For that, edit every eWONs and select "Create"

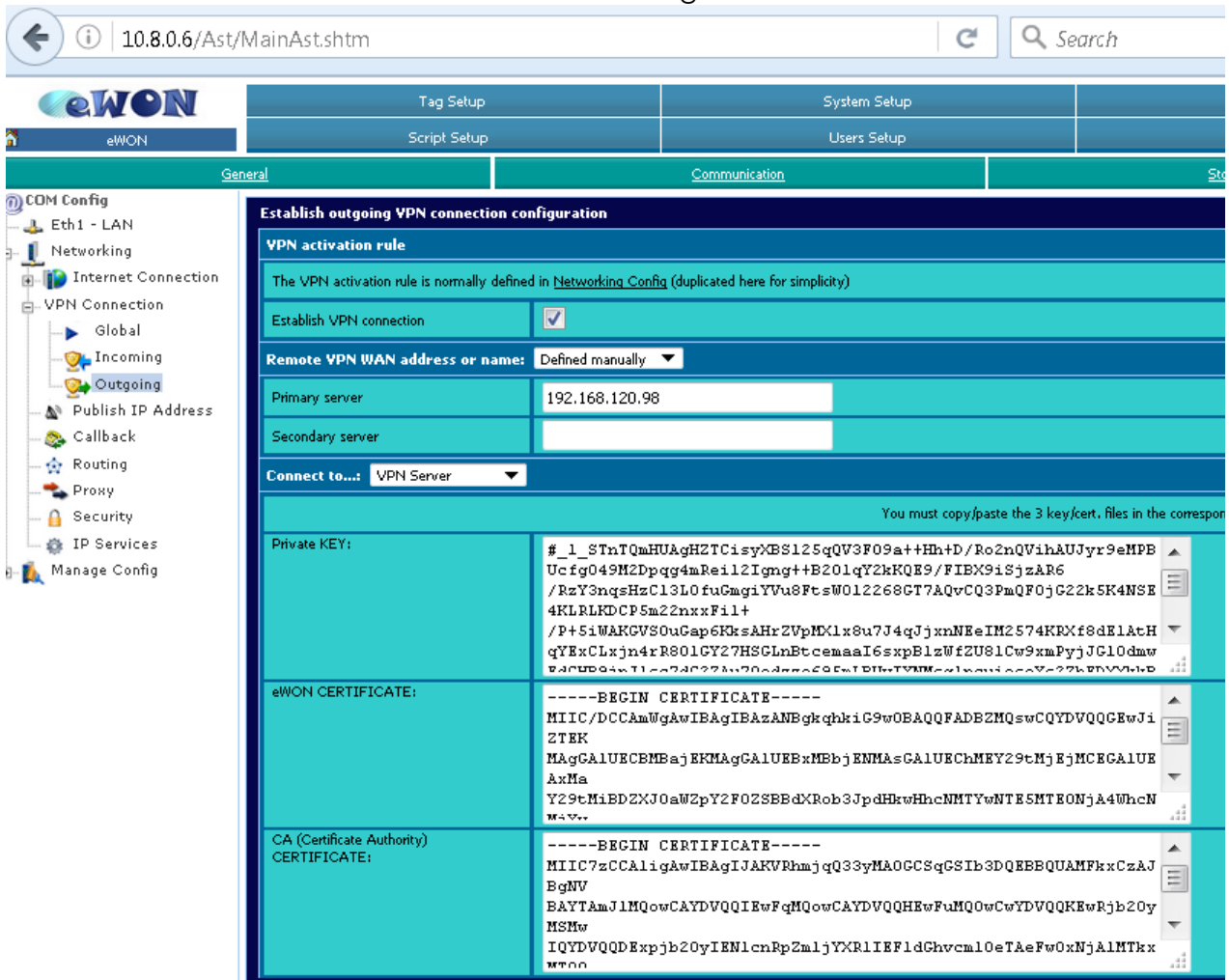


LAN Settings (Must be filled in to allow re	
IP Address:	10.9.0.0
Subnet Mask:	255.255.255.0

Certificate	
<input checked="" type="checkbox"/> test	
<input type="button" value="Create"/>	<input type="button" value="Edit"/> <input type="button" value="Revoke"/>

A new client certificate associated to the new CA certificate as well as a new key are now created. Both are accessible from the link "Edit".

- If your eWON is still accessible (Certificates are still valid), access your eWON through the VPN connection and edit its VPN settings :



You can now replace the client certificate and key by the new ones as well as the CA certificate. The CA certificate can be found in your \key directory. Its name is "ca.crt" and you can edit it with Notepad.

- Warning -

When the modifications are applied to your eWON, you will loose the VPN connection with your eWON till the eSync VPN server is restarted

- Repeat the same procedure for each eWON and Users
- Once all the eWONs have been updated, go back to the previous web browser tab (<http://localhost/systemsetup.php?initialsetup=1>) and click the button "Start eSync" in



order to restart your server.



Revision

Revision History

Revision Level	Date	Description
1.0	19/05/2016	First version

Document build number: 4

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