Hi, Guest   Log On Join Us   Search the Community

Products	Services & Support	About SCN	Downloads	
Industries	Training & Education	Partnership	Developer Center	Activity Communications Actions
Lines of Business	University Alliances	Events & Webinars	Innovation	Browse

SAP NetWeaver Administrator

Sap Router Certificate Renewal Process

Posted by Rishi Das in SAP NetWeaver Administrator on Nov 3, 2012 3:14:48 AM

Share   g+1 ⟨ 0   Tweet ⟨ 1   Like ⟨ 0

This is the process to check for the validity of the saprouter certificate and re-apply this.

- From command prompt, give this command:
  sapgenpse get_my_name -n validity

- This will show the validity. Please see screenshot highlighted. It is showing validity expired on Jun 17, 2011.

When the validity is showing as expired, proceed as follows:

- Stop the Saprouter from the services panel.

- Make a backup of the folder: **C:\SAProuter\SAProuter**.

  This folder contains the saprouter files and might be needed for a restore if any issues

- Then check the following environment variables as shown below:
  SECUDIR
  SNC_LIB

- Delete these 4 files in **C:\SAProuter\SAProuter** (Ensure that you have taken the **backup** in the previous steps)

  certreq
  cred_V2
  localpse
  srcert

- Generate the certificate request using the following command

s**apgenpse get_pse –v –r certreq –p local.pse "your distinguish name"**

The distinguish name is available from the command:

sapgenspe get_my_name

The distinguish name in this case is the entire details following Subject.

Then we generate the cert request. See below screenshot

sapgenpse get_pse –v –r certreq –p local.pse "your distinguished name"

It will ask for entering the **PIN**. Enter any 4 digit number. Please remember and save the same. This pin will be needed for access to the PSE.

Once the request is created, it creates the file **certreq**   under location: **C:\SAProuter\SAProuter**

- **Then Login to service marketplace under:**
  a. http://www.service.sap.com/saprouter-sncadd   à Apply Certificate

This opens the form below. Select Continue
- **Paste the contents of the certreq file generated above as below, and then "Request Certificate". See below**

- **Copy the details of the new certificate generated and then paste it in a new file srcert in the location C:\SAProuter\SAProuter.**
- **Then import the new certificate using:**
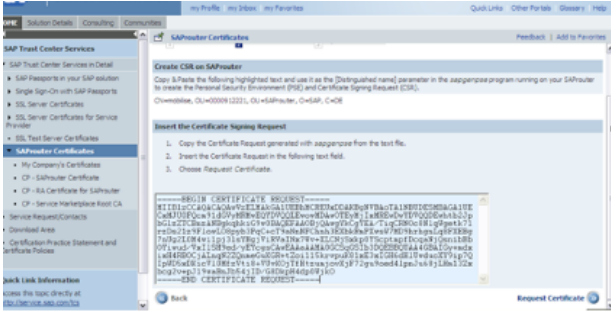
C:\SAProuter\SAProuter>**sapgenpse import_own_cert -c**   **"C:\SAProuter\SAProuter\srcert" -p**
local.pse
Please enter PIN:
CA-Response successfully imported into PSE "C:\SARouter\SAProuter\local.pse"

- **Then run this command to generate the file** cred_V2 in the saprouter directory.

  sapgenpse seclogin –p local.pse

- Check if the certificate has been loaded correctly by using the following
command

  sapgenpse get_my_name –v –n Issuer

  C:\SAProuter\SAProuter>**sapgenpse get_my_name -v -n Issuer**
  SSO for USER "SAPRouter.1"
  with PSE file "C:\SARouter\SAProuter\local.pse"

  Subject : CN=mobilise, OU=0000912221, OU=SAProuter, O=SAP, C=DE
  Issuer : CN=SAProuter CA, OU=SAProuter, O=SAP, C=DE
  Serialno: BD:43:BA:2D:74:72:35:B0:10:01:02:22:A7
  KeyInfo : RSA, 1024-bit
  Validity - NotBefore: Mon Jun 20 11:58:38 2011 (110620015838Z)
  NotAfter: **Wed Jun 20 11:58:38 2012** (120620015838Z)

  This shows that the certificate has been renewed.

- The saprouter owner here is the user **svc-saprouter** and we need to give the saprouter permission to this
  user:

       C:\SAProuter\SAProuter>**sapgenpse seclogin -p local.pse -O svc-saprouter**
running seclogin with USER="SAPRouter.1"
creating credentials for user "NMLCLAP03\svc-saprouter"...
Please enter PIN:
Adjusting credentials and PSE ACLs to include "NMLCLAP03\svc-saprouter".

C:\SAPRouter\SAProuter\cred_v2 ... ok.
C:\SAPRouter\SAProuter\local.pse ... ok.
C:\SAPRouter\SAProuter\local.pse ... ok.
Added SSO-credentials for PSE "C:\SAPRouter\SAProuter\local.pse"
"CN=mobilise, OU=0000912221, OU=SAProuter, O=SAP, C=DE"

Once it is done, we need to restart the saprouter. And the RFC connection SAP-OSS worked.

10927 Views   Tags: saprouter, certificates

Average User Rating

(3 ratings)

| Share | g+1 ⟨0⟩ | Tweet ⟨1⟩ | Like ⟨0⟩ |

---

4 Comments

Sudhir S.V Nov 6, 2013 1:17 PM

Hi Rishi,
Thanks for your blog. It is very helpful.

Like (2)

Suraj Ramruttun Dec 2, 2013 6:50 AM

Very nice article Rishi!

Normally the saprouter certificate is valid for one year - is there the possibility to renew for more than one year?

regards

Like (0)

Rishi Das Dec 25, 2013 12:57 PM (in response to Suraj Ramruttun)

Hi Suraj

Thanks ..

I think 1 year validity is the default for the sap router certificate ..

Thanks

Like (0)

BASIS Team Apr 28, 2014 3:36 PM

This is really helpful
Only one problem I have seen in this, is that we need not give the command in full with **"your distinguish name"**
s**apgenpse get_pse –v –r certreq –p local.pse "your distinguish name"**

giving the command -: s**apgenpse get_pse –v –r certreq –p local.pse**
It will ask for the distinguish name

Like (0)