Create SSL Certificate

**1 – Create Root Certificate :**

If you trust this cert any cert created under this certificate will be trusted .

1 - Create Cert

makecert.exe -r -n "CN=DevRoot" -pe -sv DevRoot.pvk -a sha1 -len 2048 -b 01/21/2010 -e 01/21/2030 -cy authority DevRoot.cer

2 - Merge Cert and Privite Key in pfx file

pvk2pfx.exe -pvk DevRoot.pvk -spc DevRoot.cer -pfx DevRoot.pfx

**2 - Create SSL Cert for Site1 Based on Root Cert :**

1 - Create Cert :

makecert.exe -iv DevRoot.pvk -ic DevRoot.cer -n "CN=Site1" -pe -sv Site1.pvk -a sha1 -len 2048 -b 01/21/2010 -e 01/21/2020 -sky exchange Site1.cer -eku 1.3.6.1.5.5.7.3.1

2 - Merge Cert and Privite Key in pfx file :

pvk2pfx.exe -pvk Site1.pvk -spc Site1.cer -pfx Site1.pfx

**3 – Make Cert trusted by trust only Root Cert (DevRoot) :**

1 - Open mmc Add snap in to certificates

2 – Select Compute Account

3 – Add the certificate (.cer file) in Trusted Root Certification Authority

4 – If I want IIS to use Site1 Cert add the Site1.pfx in Personal Certificates

**4 - Self Hosting :**

If use self hosting you can use netsh command tool or (Http Configuration Utility) to apply certificates to port