

Running MQ .NET Core SSL Applications on Linux

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On Linux where should the certificates be installed for .NET applications?

It is always recommended to use a .NET application to install the certificates on Linux where .NET can look up for the certificates.

X509Store class is used to install certificates.

Wrapping the following few lines of code in a .NET Core application and running on Linux will install the certificates.

```
using System;
using System.Security.Cryptography.X509Certificates;
namespace SimplePut
{
    class SimplePut
    {
        [STAThread]
        static void Main(String[] args)
        {
            try
            {
                X509Store store = new X509Store(StoreName.My,
StoreLocation.CurrentUser);
                store.Open(OpenFlags.ReadWrite);
                X509Certificate2 certificate1 = new
X509Certificate2("client.p12", "12345");
                //Create a collection and add two of the
certificates.
                X509Certificate2Collection collection = new
X509Certificate2Collection();
                collection.Add(certificate1);
                //Add certificates to the store.
                store.Add(certificate1);
                store.AddRange(collection);
                X509Certificate2Collection collection2 = new
X509Certificate2Collection();
                collection2.Import("client.p12", "12345",
X509KeyStorageFlags.PersistKeySet);
                foreach (X509Certificate2 cert in collection2)
                {
                    store.Add(cert);
                }
            }
            catch { }
        }
    }
}
```



```
6) channel = SYSTEM.DEF.SVRCONN
7) numberOfMsgs = 1
8) sslPeerName =
9) keyResetCount = 0
10) sslCertRevocationCheck = False
Connecting to queue manager.. done
Accessing queue Q1.. done
Message 1 <test message>.. put
Closing queue.. done
Disconnecting queue manager.. done
End of SimplePut Application
```