### Configure HTTPS in BX Service Broker

### You have to enable HTTPS, and you have to set a SSL port in BxServiceBroker service configuration

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### Creating a Client Certificate

First you have to create a certification on your server. You can use [MakeCert.exe](http://msdn.microsoft.com/en-US/library/bfsktky3.aspx) to create a client certificate.

example:

**makecert.exe -r -pe -n "CN=BXServiceBroker" -eku 1.3.6.1.5.5.7.3.1 -sk BX07 -ss my -sr localMachine -sky exchange -sp "Microsoft RSA SChannel Cryptographic Provider" -sy 12 BXServiceBroker.cer**

Import

Run mmc.exe



 - Go to File-> Add/Remove Snap-In

 - Choose the Certificates snap-in.

 - Select Computer Account

 - Navigate to: Certificates (Local Computer)\Trusted Root Certification Authorities\Certificates



- Right click the Certificates folder and choose All Tasks -> Import.

- Follow the wizard instructions to select the certificate (**BXServiceBroker.cer**)



* Open BXServiceBroker certification





You will need Thumbprint value when you configure the certification to the port number, this number is the certhash.

You can set certification with netsh command:

**netsh http add sslcert ipport=0.0.0.0:**port **certhash**=thumbprint **appid={**app-guid**}**

where

* + port is the listening port (e.g. 4443); the special IP address 0.0.0.0 matches any IP address for the local machine;
	+ thumbprint is the certificate’s SHA-1 hash, represented in hexadecimal;
	+ app-guid is any GUID (e.g. {00000000-0000-0000-0000-000000000000}) , used to identity the owning application.

### BX Service Broker GUID = {d4deb269-37e6-49db-a9cd-cd74f52d36c3}

example:

netsh http add sslcert ipport=0.0.0.0:50232 certhash=5eb4e08d1c2ba71aa799d9a351fcc3ba180c019a appid={d4deb269-37e6-49db-a9cd-cd74f52d36c3}