## WCF Service – HTTPS configuration

Configuration required in web server for VDs –

* TAAdmin
* AdvancedAuthoring
* ReportInterface
* ETLDashboardApplication
* EMS
* Excelimport

Steps

* Open web.config of above VDs
* Go to section ‘system.serviceModel -> bindings’
* Replace existing ‘basicHttpBinding’ section with below

<basicHttpBinding>

<binding name="basicHttpBinding\_Framework" closeTimeout="00:50:00" openTimeout="00:50:00" receiveTimeout="00:50:00" sendTimeout="00:50:00" allowCookies="false" bypassProxyOnLocal="false" hostNameComparisonMode="StrongWildcard" maxBufferPoolSize="524288" maxReceivedMessageSize="999999999" messageEncoding="Text" textEncoding="utf-8" useDefaultWebProxy="true">

<readerQuotas maxDepth="32" maxStringContentLength="999999999" maxArrayLength="999999999" maxBytesPerRead="4096" maxNameTableCharCount="16384" />

<security mode="Transport">

<transport clientCredentialType="None" proxyCredentialType="None" realm="" />

</security>

</binding>

</basicHttpBinding>

* Go to section ‘client’.
* For all ‘endpoint’ elements –
  + In the ‘address’ attribute, the url should start with ‘https://’ instead of ‘net.tcp://’.
  + The ‘binding’ attribute value should be ‘basicHttpBinding’, instead of ‘netTcpBinding’.
  + The value of attributes ‘bindingConfiguration’ and ‘name’ must be ‘BasicHttpBinding\_Framework’, instead of ‘NetTcpBinding\_Framework’.

Configuration required in app server for TAServices VD

* Open web.config of TAServices.
* Go to section ‘system.serviceModel -> behaviors’
* Replace existing ‘serviceBehaviors’ section with below

<serviceBehaviors>

<behavior name="FrameworkService\_Behavior">

<serviceDebug includeExceptionDetailInFaults="true" />

<serviceMetadata httpsGetEnabled="true" />

<useRequestHeadersForMetadataAddress>

<defaultPorts>

<add scheme="https" port="443"/>

</defaultPorts>

</useRequestHeadersForMetadataAddress>

</behavior>

</serviceBehaviors>

* Go to section ‘system.serviceModel -> bindings’
* Add below

<wsHttpBinding>

<binding name="secureHttpsBinding" closeTimeout="00:01:00" openTimeout="00:01:00" receiveTimeout="00:10:00" sendTimeout="00:01:00" allowCookies="false" bypassProxyOnLocal="false" hostNameComparisonMode="StrongWildcard" maxBufferPoolSize="524288" maxReceivedMessageSize="999999999" messageEncoding="Text" textEncoding="utf-8" useDefaultWebProxy="true">

<readerQuotas maxDepth="32" maxStringContentLength="999999999" maxArrayLength="16384" maxBytesPerRead="4096" maxNameTableCharCount="16384" />

<security mode="Transport">

<transport clientCredentialType="None"/>

</security>

</binding>

</wsHttpBinding>

* Replace existing ‘basicHttpBinding’ section with below

<basicHttpBinding>   
 <binding name="secureHttpBinding" closeTimeout="00:01:00" openTimeout="00:01:00" receiveTimeout="00:10:00" sendTimeout="00:01:00" allowCookies="false" bypassProxyOnLocal="false" hostNameComparisonMode="StrongWildcard" maxBufferPoolSize="524288" maxReceivedMessageSize="999999999" messageEncoding="Text" textEncoding="utf-8" useDefaultWebProxy="true">   
 <readerQuotas maxDepth="32" maxStringContentLength="999999999" maxArrayLength="999999999" maxBytesPerRead="9999" maxNameTableCharCount="99999" />  
 <security mode="Transport">   
 <transport clientCredentialType="None"/>   
 </security>   
 </binding>   
 </basicHttpBinding>

* Go to section ‘services’. For each service there is a ‘service’ element and two ‘endpoint’ elements within the service element.
  + In the first ‘endpoint’ element, set value for the attributes as given below –
    - binding=”basicHttpBinding”
    - bindingConfiguration=” secureHttpBinding”
  + In the second ‘endpoint’ element, set the value for the attribute as given below –
    - binding=” mexHttpsBinding”
* Do this for all service endpoints.
* Go to IIS, open ‘Advance Settings’ for VD ‘TAServices’
* Remove net.tcp from the ‘Enabled Protocols’.

