

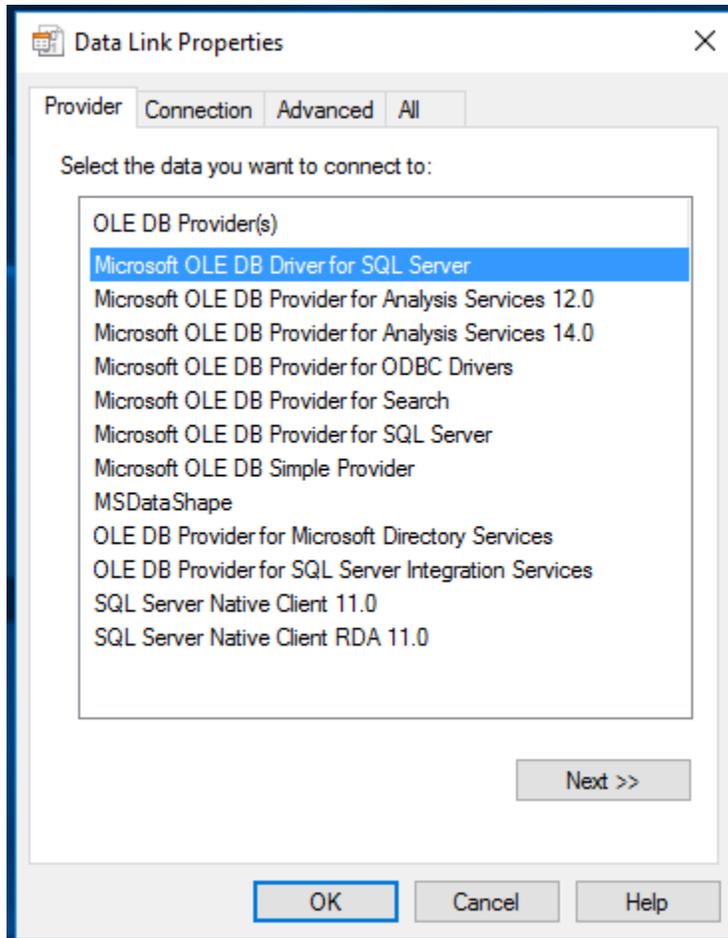
Enabling TLS 1.2 for Sales Tax Office

The following Pre-requisites must be installed:

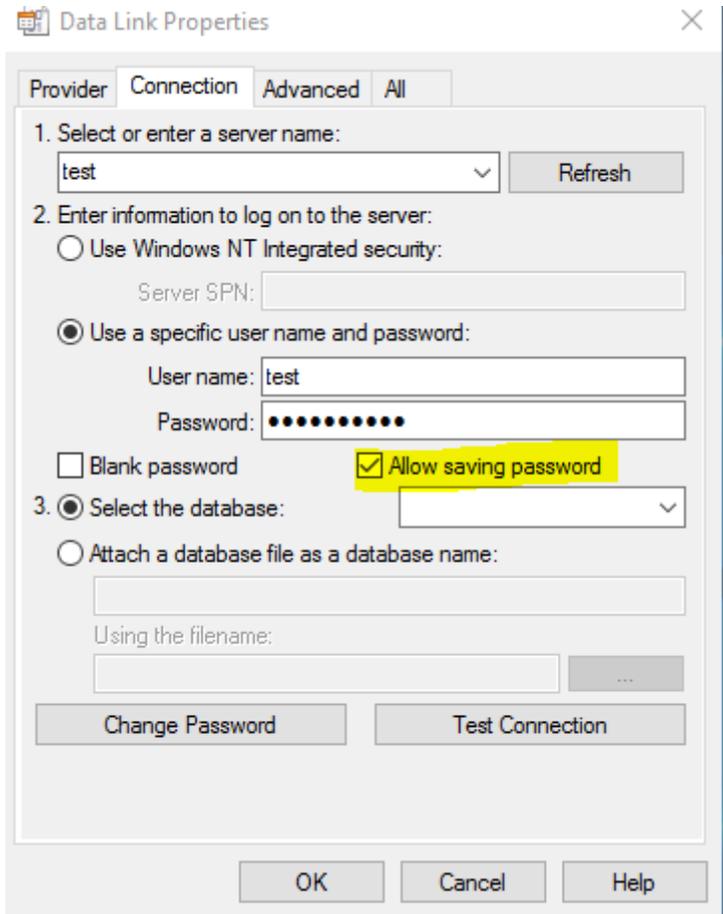
1. SQL Native Client
2. Microsoft® OLE DB Driver 18 for SQL Server®

Pre Installation steps in case of migrating from STO 3.x to STO 4.x (TLS 1.2 only):

1. During STO installation when prompted for sql connection, select below highlighted provider from the list.



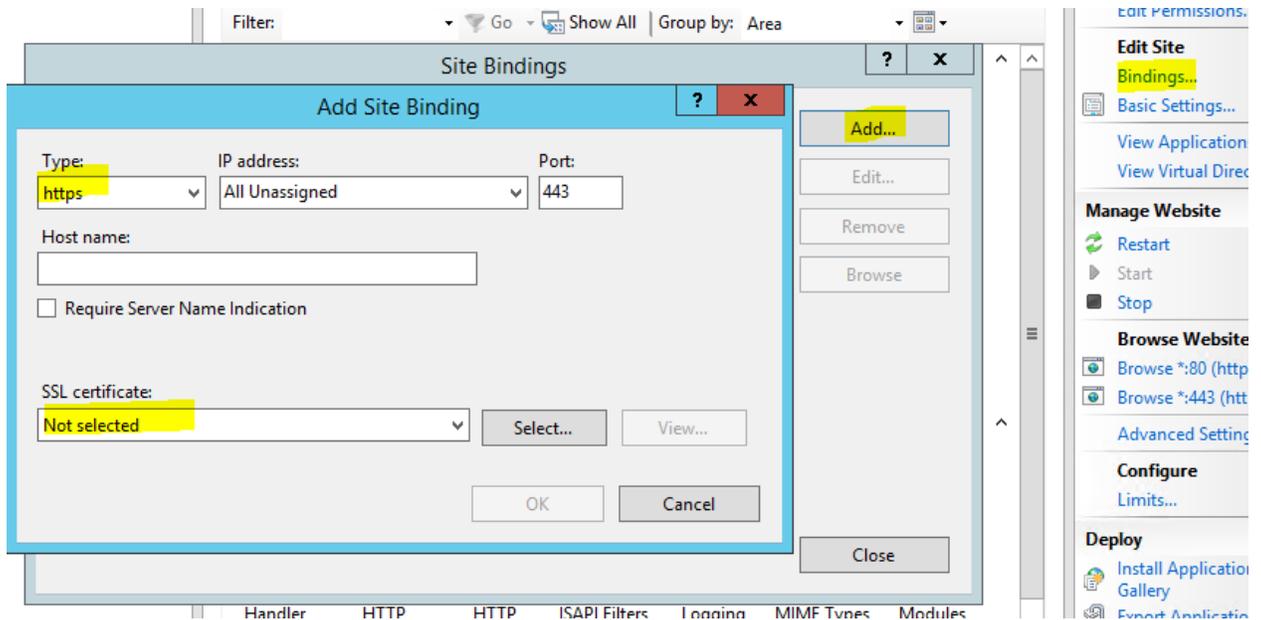
2. Then in the Connection tab, make sure "Allow saving password" checkbox is checked.



Post Installation steps:

1. Add https binding in IIS for default website :
Select Default website->click on bindings->Add->select https, SSL certificate ->OK





2. Take a backup of web.config file then do changes in web.config of STOAPIWebServices application as highlighted in below image:

```

<binding name="STOServiceSecure" closeTimeout="00:10:00" openTimeout="00:10:00" receiveTimeout="00:30:00" sendTimeout="00:10:00" allowCookies="false" bypassProxy
<readerQuotas maxDepth="2000000" maxStringContentLength="2000000" maxArrayLength="2000000" maxBytesPerRead="2000000" maxNameTableCharCount="2000000" />
<security mode="Transport">
  <!--<transport clientCredentialType="None" proxyCredentialType="None" realm="" />
  <message clientCredentialType="UserName" algorithmSuite="Default" />-->
</security>
</binding>
<binding name="UtilityServiceSecure" closeTimeout="00:10:00" openTimeout="00:10:00" receiveTimeout="00:30:00" sendTimeout="00:10:00" allowCookies="false" bypassP
<readerQuotas maxDepth="2000000" maxStringContentLength="2000000" maxArrayLength="2000000" maxBytesPerRead="2000000" maxNameTableCharCount="2000000" />
<security mode="Transport">
  <!--<transport clientCredentialType="None" proxyCredentialType="None" realm="" />
  <message clientCredentialType="UserName" algorithmSuite="Default" />-->
</security>
</binding>
</basicHttpBinding>
</bindings>
<behaviors>
  <endpointBehaviors>
    <behavior name="LargeEndpointBehavior">
      <dataContractSerializer maxItemsInObjectGraph="2147483647" />
    </behavior>
  </endpointBehaviors>
</behaviors>
<client>
  <endpoint address="" binding="basicHttpBinding" bindingConfiguration="STOServiceSecure" contract="CalculationService.ISTOServiceContract" name="STOService" />
  <endpoint address="http://ValueWillbeReplacedatRuntime/STO4UtilityService/Service3.svc" binding="basicHttpBinding" bindingConfiguration="UtilityServiceSecure" co
  <endpoint address="https://ValueWillbeReplacedatRuntime/sumwebservicev2/SumCommonService.asmx" binding="basicHttpBinding" bindingConfiguration="SUMService" contrac
</client>
</system.serviceModel>
<system.webServer>
  <handlers>
    <extension name="ExtensionlessFileHandler-Integrated-4.0" />

```

3. Take a backup of web.config file then do changes in web.config of STOWebServices application as highlighted in below image:

```

</service>
<!-- Service 3.5 Endpoint -->
<service behaviorConfiguration="DefaultBehavior" name="CCH.STO.Services.STOService">
  <endpoint address="" binding="basicHttpBinding" bindingConfiguration="LargeHttpBinding" name="STOService" contract="CCH.STO.Services.ServiceContracts.ISTOService" />
  <endpoint address="mex" binding="mexHttpBinding" name="mex" contract="IMetadataExchange" />
</service>
<!-- Utility Service Endpoint -->
<service behaviorConfiguration="DefaultBehavior" name="CCH.STO.Services.Service">
  <!--Http Endpoint-->
  <endpoint address="" binding="basicHttpBinding" bindingConfiguration="LargeHttpBinding" name="STOService" contract="CCH.STO.Services.ServiceContracts.ISTOService" />
  <endpoint address="mex" binding="mexHttpBinding" name="mex" contract="IMetadataExchange" />
</service>
<!--Service 4.0 Endpoint-->
<service behaviorConfiguration="DefaultBehavior" name="CCH.STO.Services.v4.STOService">
  <endpoint address="" binding="basicHttpBinding" bindingConfiguration="LargeHttpBindingSecure" name="STOService" contract="CCH.STO.Services.ServiceContracts.v4.ISTOService" />
  <endpoint address="mex" binding="mexHttpsBinding" name="mex" contract="IMetadataExchange" />
</service>
<!--Utility Service Endpoint-->
<service behaviorConfiguration="DefaultBehavior" name="CCH.STO.Services.v4.Service">
  <!--Http Endpoint-->
  <endpoint address="" binding="basicHttpBinding" bindingConfiguration="LargeHttpBindingSecure" name="STOService" contract="CCH.STO.Services.ServiceContracts.v4.ISTOService" />
  <endpoint address="mex" binding="mexHttpsBinding" name="mex" contract="IMetadataExchange" />
</service>
</services>
<behaviors>
  <serviceBehaviors>
    <behavior name="DefaultBehavior">
      <serviceMetadata httpsGetEnabled="true" />
      <serviceDebug includeExceptionDetailInFaults="true" />
    </behavior>
    <behavior name="LargeThrottleBehavior">
      <serviceMetadata httpGetEnabled="true" />
      <serviceDebug includeExceptionDetailInFaults="true" />
      <serviceThrottling maxConcurrentCalls="100" maxConcurrentInstances="100" />
    </behavior>
  </serviceBehaviors>

```

4. Take a backup of web.config file then do changes in web.config of STOWebUI application as highlighted in below image:

```

<sectionGroup name="elmah">
  <section name="security" requirePermission="false" type="Elmah.SecuritySectionHandler, Elmah" />
  <section name="errorLog" requirePermission="false" type="Elmah.ErrorLogSectionHandler, Elmah" />
  <section name="errorFilter" requirePermission="false" type="Elmah.ErrorFilterSectionHandler, Elmah" />
</sectionGroup>
</configSections>
<appSettings>
  <add key="webpages:Version" value="3.0.0.0" />
  <add key="webpages:Enabled" value="false" />
  <add key="ClientValidationEnabled" value="true" />
  <add key="UnobtrusiveJavaScriptEnabled" value="true" />
  <add key="ServiceUrl" value="https://serverurl" />
  <add key="ClientUrl" value="https://clienturl" />
  <add key="ClientDomainName" value="/STO4UI/" />
  <add key="owin:AutomaticAppStartup" value="false" />
  <add key="DeployedDomain" value="STOWEB_" />
  <!-- The amount of time in minutes the authentication cookie is valid for if the Keep Me Signed in checkbox is checked -->
  <add key="KeepMeSignedInTimeout" value="10" />
  <!--Timeout duration for Web API services-->
  <!--Timeout is in seconds-->
  <add key="ServiceRequestTimeout" value="600" />
  <add key="aspnet:MaxJsonDeserializerMembers" value="150000" />
  <add key="elmah.mvc.disableHandler" value="false" />

```