If you have already deployed your Edge server or servers, adding the federated scenarios features is straightforward. If you have not set up Edge Servers, you must do that first. For details, see: Planning for External User Access in the Planning documentation and Deploying External User Access in the Deployment documentation.

**NOTE:**

If you intend to setup any combination of XMPP federation, Lync Federation, or public instant messaging connectivity, you can deploy them concurrently or one at a time. If you configure the options through the Topology Builder and the Lync Server Management shell, then run the Deployment Wizard at the Edge server after configuring the options for one, two or all three federation types, you can reduce the number of steps required.

**SETTING UP LYNC FEDERATION IN TOPOLOGY BUILDER AND THE DEPLOYMENT WIZARD**

1. On a Front End server, open Topology Builder. Expand Edge pools, then right click your Edge server or Edge server pool. Select Edit properties.
2. In Edit Properties under General, select Enable federation for this Edge pool (Port 5061). Click OK.
3. Click Action, select Topology, select Publish. When prompted on Publish the topology, click Next. When the Publish is finished, click Finish.
4. On the Edge server, open the Lync Server Deployment wizard. Click Install or Update Lync Server System, then click Setup or Remove Lync Server Components. Click Run Again.
5. At Setup Lync Server components, click Next. The summary screen will show actions as they are executed. Once the deployment is done,
click View Log to view available log files. Click Finish to complete the deployment.

IMPORTANT:
You can select this option, but only one Edge pool or Edge Server in your organization can be published externally for federation. All access by federated users, including public instant messaging (IM) users, go through the same Edge pool or single Edge Server. For example, if your deployment includes an Edge pool or single Edge Server deployed in New York and one deployed in London and you enable federation support on the New York Edge pool or single Edge Server, signal traffic for federated users will go through the New York Edge pool or single Edge Server. This is true even for communications with London users, although a London internal user calling a London federated user uses the London pool or Edge Server for A/V traffic.

CONFIGURING FEDERATION WITH PARTNERS
1. To setup a successful federation with another Microsoft Lync Server 2013, Lync Server 2010, Office Communications Server 2007 R2, or Office Communicator 2007, select the type of federation from the following table and define DNS SRV records, DNS host (A or AAAA for IPv6) and configure policies applicable to the type of federation:

<table>
<thead>
<tr>
<th>FEDERATION TYPE</th>
<th>DNS RECORDS</th>
<th>POLICY DEFINITION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discovered Partner Domain</td>
<td>Configure SRV record of the format _sipfederationtls_tcp.&lt;external domain name&gt; Where the port value for the SRV record is TCP 5061 and the</td>
<td>Enable or Disable Federation and Public IM Connectivity Enable or Disable Discovery of Federation Partners</td>
<td>Previous versions referred to this type of federation as Open Enhanced Federation. (Lync 2010) The creation of the SRV record is required for this type of federation and is to allow other partners to discover your federation.</td>
</tr>
<tr>
<td><strong>Host offering this service</strong> is defined as sip. &lt;external domain name&gt; – the FQDN of your Access Edge service. See Configure DNS for Edge Support for details on creating the SRV record</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Configure SRV record of the format <code>_sipfederationtls._tcp.&lt;external domain name&gt;</code> Where the port value for the SRV record is TCP 5061 and the <strong>Host offering this service</strong> is defined as sip. &lt;external domain name&gt; – the FQDN of your Access Edge service. See Configure DNS for Edge Support for details on</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Previous versions referred to this type of federation as Enhanced Federation (Lync 2010).** The creation of the SRV record is optional for this type of federation and is to allow other partners to discover your federation. Of course, this is then an **Open Enhanced Federation, or Discovered Partner Domain**

<p>| <strong>Enable or Disable Federation and Public IM Connectivity</strong> | --- |</p>
<table>
<thead>
<tr>
<th>Allowed Partner Server</th>
<th>Creating the SRV record</th>
<th>Enable or Disable Federation and Public IM Connectivity</th>
<th>Support for Allowed External Domains</th>
<th>Support for Blocked External Domains</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hosting Provider and Public IM Provider</td>
<td>No specific DNS requirements are defined for this type of federation</td>
<td>Enable or Disable Federation and Public IM Connectivity</td>
<td>Create or Edit Public SIP Federated Providers</td>
<td>Create or Edit Hosted SIP Federated Providers</td>
</tr>
</tbody>
</table>

This federation type is the definition of a one to one relationship and does not allow for discovery of other federation partners. Each federation partner is configured explicitly. In previous versions, this was known as **Direct Federation (Lync 2010)**

This federation type defines services and hosting providers that you want to configure for your users. Typical uses include configuration for public IM providers like Windows Live Messenger, Yahoo! and AOL, as well as hosting providers such as Lync Online and Office 365

**IMPORTANT:**

- As of September 1st, 2012, the Microsoft Lync Public IM Connectivity User Subscription License (“PIC USL”) is no longer available for purchase for new or renewing agreements. Customers with active licenses will be able to continue to federate with Yahoo! Messenger until the service shut down date. An end of life date of June 2014 for AOL and Yahoo! has been announced. For details, see **Support for Public Instant Messenger Connectivity**.
- The PIC USL is a per-user per-month subscription license that is required for
Lync Server or Office Communications Server to federate with Yahoo! Messenger. Microsoft’s ability to provide this service has been contingent upon support from Yahoo!, the underlying agreement for which is winding down.

➢ More than ever, Lync is a powerful tool for connecting across organizations and with individuals around the world. Federation with Windows Live Messenger requires no additional user/device licenses beyond the Lync Standard CAL. Skype federation will be added to this list, enabling Lync users to reach hundreds of millions of people with IM and voice.

2. Define and configure any required DNS host (A or AAAA for IPv6) and DNS SRV records
3. Define and configure any policies using the Lync Server Control Panel or by using the Lync Server Management Shell and the appropriate cmdlets. For details on the Lync Server Management Shell cmdlets, see Federation and External Access Cmdlets