Client Software and Hardware Requirements for Lync

Microsoft Lync 2010
- Online Meeting Add-in for Microsoft Lync 2010
- Microsoft Lync 2010 Attendee
- Microsoft Lync 2010 Attendant

Operating Systems Requirements
Supported operating systems for these clients include the following:
- Windows 7
- Windows Vista
- Windows XP Professional with Service Pack 3 (SP3)

Other Software Requirements
Browser and Operating System Combinations for Microsoft Lync 2010, Online Meeting Add-in for Microsoft Lync 2010, and Microsoft Lync 2010 Attendee. Lync Web App supports specific combinations of operating systems and browsers. The following table lists the various combinations.

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Internet Explorer 8</th>
<th>Internet Explorer 7</th>
<th>Internet Explorer 6</th>
<th>Firefox 3.X</th>
<th>Safari 5.X</th>
<th>Safari 4.X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows 7 (32-bit and 64-bit)</td>
<td>Yes</td>
<td>Yes</td>
<td>—</td>
<td>Yes</td>
<td>—</td>
<td>—</td>
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<tr>
<td>Windows Vista SP2 (32-bit and 64-bit)</td>
<td>Yes</td>
<td>Yes</td>
<td>—</td>
<td>Yes</td>
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<tr>
<td>Windows XP SP3 (32-bit)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Windows XP SP2 (64-bit)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Windows Server 2008 R2</td>
<td>Yes</td>
<td>Yes</td>
<td>—</td>
<td>—</td>
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</tr>
<tr>
<td>Windows Server 2003 (except IA-64)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>—</td>
<td>—</td>
<td>—</td>
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<tr>
<td>Windows Server 2000 SP4</td>
<td>—</td>
<td>—</td>
<td>Yes</td>
<td>Yes</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Mac OS 10.4.8+ (Intel-based)</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

- **Microsoft Silverlight** Microsoft Silverlight browser plug-in version 4.0 is required for Lync 2010, the Online Meeting Add-in for Lync 2010, and Lync Web App.

- **Microsoft .NET Framework 3.5** To install Lync 2010 Attendant, the Microsoft .NET Framework 3.5 must already be installed. Install **Microsoft .NET Framework 3.5**

- **Microsoft Office** Lync Server 2010 clients support integration with various versions of Microsoft Office:
  - Certain Lync 2010 integration features are supported on Microsoft Office 2007 and Microsoft Office 2003 Service Pack 3 (SP3). For integration with Office 2007 to work correctly, you may
have to install an update to Outlook 2007. For details about the Outlook update, “Description of the 2007 Office hotfix package” (KB article 936864).

- The Online Meeting Add-in for Lync 2010 is supported with Microsoft Office 2003, Microsoft Office 2007, and Microsoft Office 2010.


Hardware Support for Lync Server 2010 Clients
This section describes the recommended hardware for Lync Server 2010 clients.

- **Hardware component Minimum requirement**:
  - CPU Intel Pentium 4, AMD Athlon 64, or equivalent
  - Data and voice: 1.6 gigahertz (GHz) or higher processor, 2 GHz 32-bit or 64-bit processor (recommended)
  - For video: Dual Core 1.9 GHz processor or higher for VGA, Quad Core 2.0 GHz or higher for high definition
  - For the Microsoft RoundTable conferencing device: 2 GHz processor or higher
  - Memory On Windows XP: 1 gigabyte (GB) of RAM
  - On Windows Vista or Windows 7: 2 GB of RAM
  - Display resolution 1024x768 required

- **Graphics hardware**
  - Support for Microsoft DirectX 9.0 application programming interface (API)
    - 128 MB of graphics memory (minimum)
    - Windows Display Driver Model driver
    - Pixel Shader 2.0 in hardware
    - 32 bits per pixel

Telephony Microphone and speakers, headset with microphone, or equivalent device
Recommended: Microsoft unified communications (UC) device, or a phone running Microsoft Lync 2010 Phone Edition

Video source USB 2.0 video camera or RoundTable device

- **Network Voice**:
  - Peer-to-peer: 40 kbps (minimum); 60 kbps (typical); 90 kbps (maximum)
  - Conferencing: 40 kbps (minimum); 95 kbps (typical); 160 kbps (maximum)
  - Media bypass: 80 kbps (minimum); 95 kbps (typical); 160 kbps (maximum)

- **Video**:
  - CIF: 50 kbps (minimum); 210 kbps (typical); 250 kbps (maximum)
  - VGA: 350 kbps (minimum); 500 kbps (typical); 600 kbps (maximum)
  - High definition: 800 kbps (minimum); 1.2 Mbps (typical); 1.5 Mbps (maximum)
  - RoundTable device: 50 kbps (minimum); 280 kbps (typical); 350 kbps (maximum)

- **Data**:
  - Web conferencing (PSOM): 20 kbps (minimum); 200 kbps (typical); 500 kbps (maximum)
  - File Transfer: 20 kbps (minimum); 200 kbps (typical); 200 kbps (maximum)
  - Application Sharing: 256 kbps (minimum); 1 Mbps (typical); 3.5 Mbps (maximum)

Typical bandwidth values are measurements of typical activity levels under good network conditions (for example, with no forward error correction, or FEC). This value can be used for capacity planning to assess if a network is provisioned appropriately. The values are cumulative. For example, for a conference call with audio, Common Intermediate Format (CIF) video, and panoramic video, an appropriately provisioned network would provide a bandwidth speed of 585 Kbps (95+210+280=585 Kbps).