"ZOOM" VERSUS "SKYPE" VERSUS THE REST..

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An International Association of Technology & Computer User Groups
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Click on “Meeting Notes”
"Zoom" is much better than "Skype" and the rest of the crowded field of online conferencing systems.
TOPICS

• Terminology

• APCUG's Selection Process
  Picked "Zoom" in 2015

• Market Share of Video
  Conferencing Systems

• Gartner's Analysis Places Zoom at 
  the Top of the Heap

• Superior "Investor Capital" Funding
  for Zoom Versus It's Competitors
TOPICS (continued)

• "Skype" Migrated from Peer-to-Peer to Client/Server
TERMINOLOGY

• The term "video conferencing" used to refer to a network of "video conferencing" meeting rooms that are interconnected by expensive T1 and T3 "leased lines" from telephone common carriers

• "Video conferencing" can now be used to also refer to "Web conferencing" such as Skype and Zoom
TERMINOLOGY (continued)

- The terms "server-based", "cloud-based", and P2P or "peer-to-peer" are also somewhat context-based.
- "server-based" can mean either that a server as an intermediate point between either session initiation and/or during the entire call
"server-based" can mean either "server located on premises", "private cloud located on premises", "private cloud located at a server farm", or "publicly shared cloud"
In the latter half of 2015, APCUG's "Virtual Technical Conference" team headed by Judy Taylour, selected Zoom out of a field of 12 options. We have been using it ever since. No virtual conferencing system is perform and Zoom has had problems but it has had less than it's competitors.
MARKET SHARE OF "VIDEO CONFERENCING SYSTEMS"

• According to https://www.owllabs.com/state-of-video-conferencing: Skype and Zoom each have about 45 percent of the market share for usage of video conferencing systems.
Video Conferencing Software & Comparisons

State of Video Conferencing 2018

45% of companies choose Zoom or Skype for Business over all other options.

Data to help you make informed choices when selecting a video conferencing software. Compare features and choose what setup is right for them.

Percentage of Respondents by Software

<table>
<thead>
<tr>
<th>Video Conferencing Software</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zoom</td>
<td>25%</td>
</tr>
<tr>
<td>Skype for Business</td>
<td>18%</td>
</tr>
<tr>
<td>Google Hangouts</td>
<td>12%</td>
</tr>
<tr>
<td>GoToMeeting</td>
<td>10%</td>
</tr>
<tr>
<td>Skype</td>
<td>8%</td>
</tr>
<tr>
<td>Cisco Webex</td>
<td>6%</td>
</tr>
<tr>
<td>Other</td>
<td>5%</td>
</tr>
<tr>
<td>Slack</td>
<td>3%</td>
</tr>
<tr>
<td>BlueJeans</td>
<td>2%</td>
</tr>
</tbody>
</table>
GARTNER'S ANALYSIS PUTS "ZOOM" AT THE TOP OF THE HEAP

- See
SUPERIOR "INVESTOR CAPITAL" FUNDING FOR ZOOM VERSUS COMPETITORS

• See https://www.crunchbase.com/organization/zoom-video-communications
Zoom unifies cloud video conferencing, simple online meetings, and group messaging into one easy-to-use platform.

San Jose, California, United States

Categories: Cloud Computing, Collaboration, Enterprise Software, Messaging, Video Conferencing

Headquarters Regions: San Francisco Bay Area, Silicon Valley, West Coast

Founded Date: Jun 1, 2011

Founders: Eric Yuan

Operating Status: Active

Funding Status: Late Stage Venture

Last Funding Type: Series D

Number of Employees: 1001-5000

Also Known As: Zoom.us, Zoom Video Communications

Hub Tags: Unicorn
SUPERIOR "INVESTOR CAPITAL" FUNDING FOR ZOOM VERSUS COMPETITORS

• See
  https://www.crunchbase.com/organization/skype#section-funding-rounds
Skype has raised a total of $76.8M in funding over 5 rounds. Their latest funding was raised on Apr 16, 2010 from a Venture - Series Unknown round.

<table>
<thead>
<tr>
<th>Announced Date</th>
<th>Transaction Name</th>
<th>Number of Investors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr 16, 2010</td>
<td>Venture Round - Skype</td>
<td></td>
</tr>
<tr>
<td>Nov 19, 2009</td>
<td>Debt Financing - Skype</td>
<td>3</td>
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<tr>
<td>Mar 1, 2004</td>
<td>Series B - Skype</td>
<td>3</td>
</tr>
<tr>
<td>Aug 1, 2003</td>
<td>Series A - Skype</td>
<td>2</td>
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<tr>
<td>Jan 1, 2002</td>
<td>Angel Round - Skype</td>
<td>1</td>
</tr>
</tbody>
</table>
SUPERIOR "INVESTOR CAPITAL" FUNDING FOR ZOOM VERSUS COMPETITORS

• See https://www.crunchbase.com/organization/teamviewer#section-funding-rounds
TeamViewer has raised 1 round. This was a Series A round raised on Jan 2, 2014.

- Which funding types raised the most money?
- How much funding has this organization raised over time?
SKYPE'S MIGRATION FROM P2P TO CLIENT/SERVER

• Skype started as Peer-to-Peer with a Log-in server in Estonia with the log-in server only used to enforce payment for usage

• Microsoft made some Skype-running computers into "supernodes" to harness their CPU cycles, RAM, and Internet bandwidth
SKYPE'S MIGRATION FROM P2P TO CLIENT/SERVER

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SKYPE'S MIGRATION FROM P2P TO CLIENT/SERVER

• 2012 to 2013: Microsoft made created hush-hush Linux-based "supernodes" up in their server farm system to improve reliability and provide access to the CIA and NSA for surveillance
SKYPE'S MIGRATION FROM P2P TO CLIENT/SERVER

• 2013 (continued):

See
https://arstechnica.com/information-technology/2012/05/skype-replaces-p2p-supernodes-with-linux-boxes-hosted-by-microsoft/ and
• 2016 to 2018: Microsoft converted the Linux server-farm-based super-nodes into full-fledged probably-Linux?? servers for increased reliability and video/audio quality.
SKYPE'S MIGRATION FROM P2P TO CLIENT/SERVER (continued)

• March 2017: Peer-to-peer communications between Skype users is no longer allowed so all Skype calls go through Microsoft's servers now:

See https://winaero.com/blog/microsoft-removes-p2p-support-skype/
SKYPE'S MIGRATION FROM P2P TO CLIENT/SERVER (continued)

- March 2017 (continued):
  See
  https://www.lifewire.com/skype-changes-from-p2p-3426522
SKYPE'S MIGRATION FROM P2P TO CLIENT/SERVER (continued)

• More References for Previous Slides: