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## StarCast System Requirements

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**StarCast – System Requirements: StarCast 3.+**

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Author: LComer

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***StarCast – System Requirements***

StarCast is a web accessed and delivered online Training, WebCasting, Document and Content Management application. To utilize StarCast, Internet accessibility is required by any PC or Macintosh with web accessibility. StarCast delivers streaming Macromedia/Adobe® Flash™ video and sound, therefore the ability hear audio is required either via speaker or headset. The following list of requirements must be addressed by your IT staff in order to successfully implement StarCast for all local and remote users.

***I. Links***

Accessing StarCast may be set as a link from your corporate internet and/or intranet sites. After Login into your StarCast portal, find the link marked “**Bookmark This Site**”. Open the link and follow the instruction to COPY/PASTE the link as a bookmark. This link will allow easy access to your StarCast training site from your workstation (PC/Mac). **Note:** DO NOT use your web browser’s “Add to Favorites” or “Add Bookmark” features. The StarCast site you land on will have appended session ids, which will **not** work subsequently as they time out for security reasons.

***II. Email and Notifications***

StarCast generates emails to users for purposes of retrieving lost passwords, informing them of Push Assignments and other items. So you must ensure that your internal systems allow emails from our servers.

**StarCast mail servers: verilogix.com, verilogix.net, and starcast.net**

**IP addresses of our mail servers – mx records**

- 208.179.19.86 – mail.starcast.net
- 208.179.19.87 – mail.verilogix.net
- 208.179.19.88 – mail.verilogix.com

**Outbound SMTP: 208.179.19.70**

In some cases, StarCast will change the Sender and the Return-Path to the email of the customer's site administrator. This is done so that the recipient will recognize the sender.

***III. Flash Enabled***

StarCast requires Flash and utilizes Adobe/ Macromedia® Flash™ for playback of on-line content. We recommend **Flash Version 9.0 or later**. Flash is downloaded automatically from StarCast by the client when StarCast recognizes that the user does not have Flash. Note: Automatic downloading of Flash™ Player is only supported by Internet Explorer. Mozilla Firefox etc, installation must be done by downloading the install first).

To prevent blocking of downloads, the following sites should be recognized by your systems as **Trusted Sites:**

- <http://www.macromedia.com>
- <http://www.macromedia.com/go/getflashplayer>
- <http://sdc.shockwave.com>
- <http://www.adobe.com/shockwave/download>

***IV. WebCasting***

StarCast WebCasting makes use of Macromedia® Flash™ Communication protocols. The StarCast Comm server makes connections via the usual internet **ports 80, 443, as well as Port 1935**, which was assigned to Macromedia® by the Internet Assigned Numbers Authority. Ports 80 and 443 are generally open to allow for web traffic. Occasionally, Port 1935 may be blocked by a firewall. When the StarCast WebCasting server encounters this block it will attempt to tunnel through Port 80 (HTTP tunneling). Some firewalls may detect this and, in turn, block Port 80 for this type of access.



**Providing open Ports 80, 443 and 1935 will be essential for StarCast users.**

The following link and information discuss Flash Communication protocols.

[http://www.macromedia.com/cfusion/knowledgebase/index.cfm?id=tn\\_16499](http://www.macromedia.com/cfusion/knowledgebase/index.cfm?id=tn_16499)

"By default, the Macromedia Flash Communication Server MX uses port 1935 for the RTMP (Real-Time Messaging Protocol). This is the port that has been assigned to Macromedia for the Flash Communication Server by the IANA (Internet Assigned Numbers Authority)." "With "Stateful Inspection" firewalls, traffic will be inspected, and non-HTTP traffic may get rejected. This could prevent communication over RTMP even when the proper port is open. Please consult the documentation for your particular firewall, to determine how to properly configure it to allow RTMP traffic. It is also possible that a connecting client is behind a firewall that does not allow outgoing TCP/IP connections on the default RTMP port (1935)."

These Port assignments are listed on the IANA website: <http://www.iana.org/assignments/port-numbers>  
[macromedia-fcs 1935/tcp Macromedia Flash Communications Server MX](#)  
[macromedia-fcs 1935/udp Macromedia Flash Communications server MX](#)

#### ***IV.a Screen Sharing***

Screen sharing, which is a feature in the StarCast WebCasting system, requires that the following OUTGOING ports must be opened (and may be restricted to only talk to our server).

Open ports 5500 – 5599 outgoing to appshare.starcast.net (this is for hosts)

Open ports 5900 – 5999 outgoing to appshare.starcast.net (this is for clients)

Open port 1935, which is used as a bypass if we can't tunnel through port 80.

Internet traffic may go through firewalls but can not go through your proxy, which will interrupt screen sharing.

#### ***V. WorkStation Minimum Requirements***

To use the StarCast, you will need the Macromedia® Flash™ plug-in and it is highly recommended that your computer meet or exceed the following minimum requirements:

##### **Viewing:**

###### **Windows PC**

Windows 98, Me, 2000, 2003 or XP

Intel Pentium II 450MHz (or equivalent) or better

1024x768 screen resolution or better

Macromedia® Flash™ plug-in Version 8 or later (Version 9 Highly Recommended)

**Web Browser:** Microsoft Internet Explorer 6.0 or earlier, Firefox 1.x, Firefox 2.x, Mozilla 1.x or later, Netscape 7.x or later

###### **Apple® Macintosh**

800Mhz PowerPC G3 or better

1024x768 screen resolution or better

Macromedia® Flash™ plug-in Version 8 or later (Version 9 Highly Recommended)

**Web Browser:** Firefox 1.x, Mozilla 1.x, Netscape 7.x or later, Safari 1.x or later

##### **Recording and Publishing:**

**Windows PC** (Note: Recording and Publishing is currently available via Windows PC, only.)

Windows 98, Me, 2000, 2003 or XP

Intel Pentium II 450MHz (or equivalent) or better

1024x768 screen resolution or better

Macromedia® Flash™ plug-in Version 8 or later (Version 9 Highly Recommended)

**Web Browser:** Microsoft Internet Explorer 6.0 or earlier, Firefox 1.x, Firefox 2.x, Mozilla 1.x or later, Netscape 7.x or later

MSPowerPoint 2000, XP, 2003



**Internet Accessibility:**

Minimum recommended bandwidth: 768KB

(Note: Minimum internet download bandwidth varies depending on number of users and network traffic from other users and applications, sharing internet connection.)

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**If you should have other systems questions, please contact StarCast Technical Support at ([tech.support@starcast.net](mailto:tech.support@starcast.net)) or Phone: 310-527-5100, Option 3.**

