











# engage

TECHNICAL OVERVIEW













# ATTENDEE/VIEWER REQUIREMENTS

Desktop Browser / OS Support				
 Windows 7	11	*69	x	*77
 Windows 8.1	11	*69	x	*77
 Windows 10 (Includes Surface Pro 3 & 4)	11 & Edge	*69	x	*77
 Mac	x	*69	11	*77
 Red Hat Enterprise Linux 7.4	x	x	x	*77
 Android 4.3+	x	x	x	*77

[CLICK HERE](#) TO COMPLETE A VIEWER SYSTEM CHECK

# SPEAKER PRESENTER REQUIREMENTS

Desktop Browser / OS Support				
 Windows 7	x	*69	x	*77
 Windows 8.1	x	*69	x	*77
 Windows 10 (Includes Surface Pro 3 & 4)	x	*69	x	*77
 macOS High Sierra (10.13)	x	*69	x	*77
 macOS Mojave (10.14)	x	*69	x	*77
 Red Hat Enterprise Linux 7.4	x	x	x	*77

[CLICK HERE](#) TO DETERMINE COMPATIBILITY WHEN PRESENTING WITH ENGAGE WEBINARS.

# SPEAKER HARDWARE REQUIREMENTS

If you are using older or unsupported versions of Windows, Unix, or Mac operating systems, you may experience difficulty in viewing and/or listening to the webcast. Below are the recommended system configurations:

- 2.3 Ghz, dual core
- 4GB RAM
- 1600x900 screen resolution
- Windows 7 or higher
- Apple Mac OS X 10.11 or higher

[CLICK HERE](#) TO DETERMINE COMPATIBILITY WHEN PRESENTING WITH ENGAGE WEBINARS.

# POWERPOINT GUIDELINES

## General Guidelines

- The maximum file size for a PowerPoint upload is 300MB
- Hidden slides do convert and display in Studio
- PowerPoint Slides are HTML5
- PowerPoint Slides will automatically advance when the webcast starts if "Use Timings" is enabled and timings are saved on any slide ("Transitions" Tab>Advance Slide>"After" is checked and there is a number of seconds entered

## Supported Animations and Builds

All Slide Layouts	All Standard Fonts	Bullet Points and Numbers
All Standard Charts and Graphs	All Standard Shapes	User Drawn Shapes
Converts Uploaded Images	Smart Art	Hyperlinks
Converts Artistic Effects	3D Images and Animation	All Exit and Entrance Effects
All Standard Motion Paths	Custom Motion Paths	WAV Audio files only

# POWER POINT SUPPORTED FONTS

Arial	Arial Black	Arial Narrow
Arial Unicode	Book Antiqua	Bookshelf Symbol 7 abdefg
Calibri	Cambria	Candara
Century	Century Gothic	Comic Sans MS
Consolas	Constantia	Corbel
Courier 10, 12, 15 (VGA res)	Courier New	Estrangelo Edessa
Franklin Gothic Medium	Garamond	Gautami
Georgia	Global Monospace	Global Sans Serif
Global Serif	Global User Interface	Impact
Latha	Lucida Console	Lucida Sans Unicode
Mangal	Microsoft Sans Serif	Modern
Monotype Corsiva	MS Reference Sans Serif	MS Reference Specialty
MS Sans Serif 8, 10, 12, 14, 18, 24 (VGA res)	MS Serif 8, 10, 12, 14, 18, 24 (VGA res)	MT Extra acbdef
Mv Boli	Palatino Linotype	Raavi
Roman	Script	Segoe UI
Shruti	Small Fonts (VGA res)	Sylfaen
Symbol abcdefg	Symbol 8, 10, 12, 14, 18, 24 (VGA res)	Tahoma
Times New Roman	Trebuchet MS	Tunga
Verdana	Webdings abcdefg	Wingdings abcdefg
Symbol abcdefg	Wingdings 2 abcdefg	Wingdings 3 abcdefg
WST_Czec	WST_Engl	WST_Fren
WST_Germ	WST_Ital	WST_Span

# PLATFORM CONNECTIVITY

Function	Host Name(s)	IP Address(es)	Protocols/Ports
General Platform Logon/HTML Wrapper	ONLINEXPERIENCES.COM	8.19.201.10	HTTPS 443
WebRTC STUN binding – Presenter candidate gathering	ING01.ONLINEXPERIENCES.COM - ING07.ONLINEXPERIENCES.COM	8.19.201.62 - 8.19.201.72	UDP 3478
WebRTC Ingest - Presenter Connections For Streaming Video	ING01.ONLINEXPERIENCES.COM - ING07.ONLINEXPERIENCES.COM	8.19.201.62 - 8.19.201.72	UDP 49152-65535
Encoders "RTMP Based"	ING01.ONLINEXPERIENCES.COM - ING07.ONLINEXPERIENCES.COM	8.19.201.62 - 8.19.201.72	TCP 1935
Websockets	ING01.ONLINEXPERIENCES.COM - ING07.ONLINEXPERIENCES.COM	8.19.201.62 - 8.19.201.72	HTTPS 443
MPEG DASH and HLS Adaptive Bitrate Video Streaming Delivery (Live Delivery)	STUDIOEDGE.AKAMAIZED.NET STUDIO-LIVE.AKAMAIZED.NET	Varies Frequently - Dynamically Managed by Content Delivery Network Provider	HTTPS 443
MPEG DASH and HLS Adaptive Bitrate Video Streaming Delivery (On Demand Delivery)	STUDIO-VOD.AKAMAIZED.NET	Varies Frequently - Dynamically Managed by Content Delivery Network Provider	HTTPS 443
Static Content Delivery (Images, Flash PPT Slide Content, etc)(PRIMARY)	PRESENTATIONS.AKAMAIZED.NET	Varies Frequently - Dynamically Managed by Content Delivery Network Provider	HTTPS 443
Static Content Delivery (Images, Flash PPT Slide Content, etc)(BACKUP)	CONTENT.ONLINEXPERIENCES.COM	8.19.201.12	HTTPS 443
Secure FTP Uploads/Downloads	FTP.ONLINEXPERIENCES.COM	8.19.201.16	FTPS 22200-22250, 21
Mail Relay (only if email sender is custom and not @theonlinexpo.com)		8.19.201.250	SMTP 25