Network Requirements and White List

Edgenuity has deployed an Internal Proxy System, ensuring students are on-task and remain safe when using outside content contained within course activities. This also allows Edgenuity to have a smaller, more static White List.

To support the close and active reading of text for students at all reading levels, Edgenuity provides a CloseReader™ toolset for students. The toolset includes word look-up, text highlighters, annotation tools, read-aloud, and translation. Students can use these features on any HTML text within the system, including text within a third-party website accessed from within the Student Portal.

The CloseReader and Internal Proxy System both rely upon the required ports and White List provided below. Some content filters, web proxies, and/or classroom management software may also require white listing the local media appliance (if purchased). Allowing Google sites listed within the White List through a content filter will not open all Google content, as it is referencing specific directories needed for the CloseReader.

Edgenuity Network Requirements and White List

Network Requirements [1]

Required Ports

The following outgoing communication ports for required IP ranges must be applied within the network when using Edgenuity.

Port 80
Port 443
Port 1935

Failover Ports

The following failover ports can be used if the required ports listed above are inaccessible.

Failover Port 22
Failover Port 6505

Additional PowerSpeak Protocols

The following protocols are required when using courses containing PowerSpeak content.

*.powerspeak.edgenuity.com
RTMP/E Port 1935/TCP

*.powerspeak.edgenuity.com
RTMFP Port 1935/UDP

*.powerspeak.edgenuity.com
RTMP, RTMPT.HTTP Port 80/TCP

White List [2]

Required White List

*.edgenuity.com[1]
*.edgenuity.us
*.education2020.com[1]
*.education2020.us
*.explorelearning.com
*.k12hsn.org
*.middil.com
*.pglms.com
*.sophia.org
*.speechstream.net
*.ucopenaccess.org
*.zendesk.com
https://*.zopim.com
https://*.zopim.io
wss://*.zopim.com
bam.nr-data.net
brightcove.com
desmos.com/calculator
google.com/ jsapi
google.com/uds
js-agent.newrelic.com
office.microsoft.com
onetonline.org/
wherelearningclicks.com

Instructional Services

The additional sites below are required when using *Instructional Services* and *LivePerson®* for tutoring chat purposes.

sas.elluminate.com
server.iad.liveperson.net
e2020.geniussis.com
lpsnmedia.net
liveper.sn
liveengage.com
liveperson.com
liveengage.net
liveperson.net

1 Ports 80 and 443 must be opened for sites and *Present Outbound Internet Addresses* noted above.
Port 1935 must be opened for sites utilizing Instructional Services.
Port 22 is used as failover should Port 443 be inaccessible.
Port 6505 is used as failover should Port 80 be in accessible.
Proxy and content filters may disrupt communication on all ports.
Ports 80 and 443 must be open for sites noted.

2 Whitelist items must be applied within your network for optimal use. Some items will pertain to general use and/or media appliances, such as Edgenuity website wildcards. Other whitelisted items such as LivePerson and Zendesk® may be used in conjunction with tools utilized for support needs of students and educators.
Edgenuity utilizes mp4 video formatting for course content videos. You will need to ensure mp4s are included for white listed sites within the network and the local Edgenuity media appliance.

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