

Technology Requirements

NTC Learning Zone 4.0 – 2016-17

Portal to all services: <http://learningzone.ntcportal.org>

New Teacher Center recommends using the most up-to-date systems and browsers to make sure that all services and features are delivered as designed. All services are browser based, with the exception of Mobile Apps. The following minimum technology requirements have been tested and will provide excellent results across all NTC services. Older specifications are not supported by NTC. Please contact help@newteachercenter.org if you have questions.



Minimum Technology Requirements

Browsers	Operating Systems
Internet Explorer 11+	Mac OS 10.9+
Firefox 44+	Windows 7+
Chrome 48+	Chromebook
Safari 7+	iPad iOS 8+

Chrome is the preferred browser

Not sure of your browser version? Go to: <http://www.thismachine.info>

Mobile Apps

NTC Service	App	App Title	App Store Title	Information
		Canvas (Instructure)	Canvas	iOS Android

NTC Online Platforms Whitelisting

Please share the following information with your IT Staff to make sure that NTC's Learning Zone is not blocked or caught by spam filters. Address the items below that are relevant to how your program uses NTC's Online Platforms.

Please contact help@newteachercenter.org if you have questions.

NTC Service/ Platform	Whitelist/Unblock																											
Single Sign On Portal	<div>Whitelist:</div> <ul style="list-style-type: none">learningzone.ntcportal.org (ports 80 & 443)lzsp.ntcportal.org (ports 80 & 443)lzidp.newteachercenter.org (ports 80 & 443) <div>Load Balancers:</div> <ul style="list-style-type: none">lz-sp-loadbalancer-1891675312.us-east-1.elb.amazonaws.com (lzsp.ntcportal.org)lz-idp-loadbalancer-1181697775.us-east-1.elb.amazonaws.com (lzidp.newteachercenter.org)lz-tools-Loadbalancer-1613587275.us-east-1.elb.amazonaws.com (ntctools.newteachercenter.org)lz-tools-test-loadbalancer-76974441.us-east-1.elb.amazonaws.com (programmanagement.newteachercenter.org)																											
My Learning Canvas by Instructure ⁺	<div>Whitelist:</div> <ul style="list-style-type: none">*.instructure.com sub-domainsafefiles.instructure.comimages.instructure.com*.instructure.media.com (Kaltura media storage)help.instructure.comwww.scribd.comnotification IPs: <table><tr><td>54.240.14.1</td><td>54.240.14.105</td><td>54.240.14.139</td><td>Ports:</td></tr><tr><td>54.240.14.2</td><td>54.240.14.107</td><td>54.240.14.154</td><td>80</td></tr><tr><td>54.240.14.100</td><td>54.240.14.128</td><td>54.240.14.188</td><td>443</td></tr><tr><td>54.240.14.102</td><td>54.240.14.130</td><td>54.240.14.198</td><td>8080</td></tr><tr><td>54.240.14.103</td><td>54.240.14.131</td><td>54.240.14.199</td><td>1936</td></tr><tr><td></td><td></td><td></td><td>1935</td></tr></table>				54.240.14.1	54.240.14.105	54.240.14.139	Ports:	54.240.14.2	54.240.14.107	54.240.14.154	80	54.240.14.100	54.240.14.128	54.240.14.188	443	54.240.14.102	54.240.14.130	54.240.14.198	8080	54.240.14.103	54.240.14.131	54.240.14.199	1936				1935
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Meeting Feedback Tool SurveyGizmo ⁺	<div>Whitelist:</div> <ul style="list-style-type: none">www.surveygizmo.com																											

NTC Service/ Platform	Whitelist/Unblock								
Email	<p>Whitelist or unblock:</p> <ul style="list-style-type: none"> • emss@newteachercenter.org • ntctools_noreply@newteachercenter.org • do-not-reply@communities.newteachercenter.org • help@newteachercenter.org • info@newteachercenter.org • onlinepd@newteachercenter.org • notifications@instructure.com <p>Receiving mail ports (depending on configuration):</p> <ul style="list-style-type: none"> • 101 (POP unencrypted) • 995 (POP encrypted) • 143 (IMAP unencrypted) • 993 (IMAP encrypted) 								
Blackboard Collaborate Ultra[†] Synchronous online seminars and forums	<ul style="list-style-type: none"> • Limited network bandwidth or high demand locations may “choke” the online meeting software. Please move to a location with more bandwidth. • Ultra uses UDP on the port range 49151 through 65535; if a firewall is in place that is not open to this range, it will first try UDP 50000. If that fails traffic can connect via TCP on port 443. It should be noted that TCP is a slightly slower connection protocol than UDP. Because of this, your organization should open UDP ports 49152 through 65535 up to our full IP range. • Ultra uses HTML5 Web Socket traffic to connect to session servers. Network traffic filters such as Cisco Firepower may have a filter added to prevent HTML5 and thus WebRTC from connecting. In this case, WebRTC browsers like Chrome will not be able to connect to Ultra, however Flash browsers like IE will connect. Please whitelist Blackboard Collaborate Ultra traffic for our full IP range. • Proxy servers need to allow HTML5 Web Socket traffic in order for Collaborate to connect to the session servers through a proxy. • Please whitelist: IP Range: 69.196.237.0 with netmask 255.255.255.0 (in CIDR notation: 69.196.237.0/24) 								
Viewing Streaming Video Brightcove [†]	<p>Whitelist www.brightcove.com:</p> <table border="0"> <tr> <td>*.brightcove.com</td> <td>*.brightcove.net</td> </tr> <tr> <td>bcove.me</td> <td>*.api.brightcove.com</td> </tr> <tr> <td>*.llnw.net</td> <td>*.llnwd.net</td> </tr> <tr> <td>*.akafms.net</td> <td>*.akamaihd.net</td> </tr> </table> <ul style="list-style-type: none"> • http port 80 and https port 443 	*.brightcove.com	*.brightcove.net	bcove.me	*.api.brightcove.com	*.llnw.net	*.llnwd.net	*.akafms.net	*.akamaihd.net
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[†] Indicates SaaS. Other services are proprietary, developed by New Teacher Center.