

# Classview 7.x System Specifications

\* These specs are recommended and not required since app performance depends on many environmental factors such as bandwidth, density of users, clearing of cache, etc..

## Link to Current System Requirements:

<https://s3-us-west-2.amazonaws.com/classview/docs/ClassView7.xSystemRequirements.pdf> for the latest revision of this document.

## General:

- Cloud-Based Client / Server Solution
- Multiple classroom devices/operating systems: Android, iOS, Windows, Chromebooks, Browsers
- Multiple deployment options:
  - Cloud (AWS Hosted)
  - Campus Content Server (Optional)

## Classroom:

- 30 users or less per classroom (typical) or as allowable by school infrastructure
- 1 teacher per classroom, multiple co-teachers
- 90 concurrent users per school (nominal performance) or as allowable by school infrastructure

## Network Bandwidth: Per Classroom

- 1.2Mbps per user (Peak)
- 330Kbps per user (Nominal)
- Please see the Deployment Configuration Worksheet to test network bandwidth
- <http://pearsonappstore.com/contentserver.php>

## Supported Devices and Browsers:

- Google Chromebooks
  - Chrome OS 59.x or greater
  - 1.40Ghz Processor
  - 2GB RAM /16GB Storage
  - Screen Size: 10.1"
  - User Interface: trackpad or mouse are recommended
- Android Minimum Requirements
  - Android 5.1 or above
  - 2GB Ram \*4GB recommended / 16GB Storage
  - 10" Devices Supported
- iPad Minimum Requirements
  - iOS 10.x or above
  - iPad 4 / iPad Mini 2 or newer

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- o 16GB Storage
- Windows Surface Tablets
  - o Windows 8.1, Windows 10, 32/64bit supported
  - o 2GB Ram \*4GB recommended / 16GB Storage
  - o 1.46ghz Processor or greater

- Browsers:

\*Internet Explorer 10/11 and Safari browsers do not work with assignments that require microphone access.

- o Windows: IExplorer 10 - 11 & Edge, Firefox, Chrome
- o Mac: Safari, Firefox, Chrome

### Projector:

- Projection Resolution: 1024 x 768
- Workstation Connected to Projector: any device that runs a browser

### Cloud Resources:

- Amazon (AWS) - See list below for all IP's that AWS uses
- <https://www.google.com/analytics/web>

### Physical Content Server (If Required):

- Intel® Xeon® E5-2407 2.20GHz
- 2x 8GB or 1x16GB RDIMM (Total 16GB)
- 500GB 7.2K RPM SATA or SSD
- 1Gb Ethernet
- Windows Server® 2008 R2 64bit, 2012 R2, Standard or above

### Virtual Content Server (If Required):

- 2.20Ghz Processor or faster
- 16GB of Ram
- 500GB HDD
- 1Gb Ethernet
- Windows Server® 2008 R2 64bit, 2012 R2, Standard or above

### Web Services: (Whitelisting and filter configuration - allow for both HTTP & HTTPS)

- Ports **80** and **443**.
- Required Universal Resource Links, (URL's)

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Text Help	speechstream.net/* 54.69.117.48/* speechstreamservices.speechstream.net/* speechstreamservicesbackup.speechstream.net/* speechstreamcache.speechstream.net/*
Pearson EasyBridge	http://wayf.rumba.pearsoncmg.com/*
EasyBridge: Where Are You From (WAYF)	https://wayf.rumba.pearsoncmg.com/*
Google Analytics	https://www.googleapis.com/*

- Cloud based server Top Level Domains, (TLD) hosted by Amazon AWS:

Content Server (Option A - Device to Cloud) (Option B - Content Server to Cloud) Note: Content Server is designed to support only native devices and has no effect on the web clients.	dl634ix2a7by3.cloudfront.net/*
AWS Elastic Load Balancer (For all Web Services)	bts17-production-486641384.us-west-1.elb.amazonaws.com/*
Production URL (For all Web Services)	production.pearsonapi.com/*
AWS S3 (Content, app updates, ClassView docs, etc.)	https://s3-us-west-1.amazonaws.com/bts17-production/* https://s3-us-west-2.amazonaws.com/classview/*

For those districts that requiring IP based filtering, Amazon publishes the following guide with associated an json file to be used with your content filters.

<http://docs.aws.amazon.com/general/latest/gr/aws-ip-ranges.html>