



Let's Go Learn Online Assessment Internet Bandwidth and Network Requirements

Overview: Internet bandwidth needs are based upon the number of users who are taking assessments concurrently from your site. The initial start-up of assessments uses the most bandwidth. Once students are in the middle of an assessment, bandwidth needs decrease. Network quality must be sufficient to avoid packet loss when multiple computers are assessing students. Generally, modern network equipment (<3 years old) should be adequate.

Internet Connection requirements:

- DSL, Cable, Satellite, or WiFi Broadband internet connection.
- Internet connection speeds of 1.5M/256K or higher are recommended, though this requirement may vary based on your overall network needs.

Local Area Network requirements:

- LAN, including routers, switches, and network cards, should be 100mBit or greater.
- All labs using the assessments must be on switches, not hubs.
- Chaining a switch into a single port of another switch is not advised unless both switches have 100mBit capacity and are running at full duplex.
- Any old or unusual network configurations may cause network collisions and result in packet loss. This will make the assessment seem as if it is freezing, when in reality, packet loss is preventing the data from reaching the computer running the assessment.

Standard Bandwidth Guidelines:

Single Lab Usage (assuming 30 computers)	Mbits/sec
Normal usage	0.36
Normal-High usage	0.56
Spike peak usage*	1.16

Multiple Lab Usage (assuming 100 computers)	Mbits/sec
Normal usage	1.28
Normal-High usage	2
Spike peak usage*	2.92

* Labs do not have to meet spike usage needs. This spike may happen if all students start an assessment at once. You may experience a pause of 2 to 10 seconds if your network bandwidth isn't large enough; however, this is considered acceptable at start-up.

Final note: Not conforming to the guidelines above doesn't mean the assessment will not run smoothly. Each network configuration is unique and may need to be assessed further if performance is affected. If there is suspicion of weakness in any area, we suggest you run a test coordinated by Let's Go Learn's tech support department. Please contact 888-618-7323.



System Requirements for Using Let's Go Learn Products

Overview: The following technical specifications are required in order to use our system. We understand that there are a broad range of software configurations on each network, so we have designed our system to be compliant with the most common setups. Usually, most issues are resolved once the minimum system requirements have been met.

Web Browser Settings:

- Pop-up blocking software must be disabled or set to allow pop-ups from www.letsgolearn.com
- Cookies must be enabled

Screen Settings:

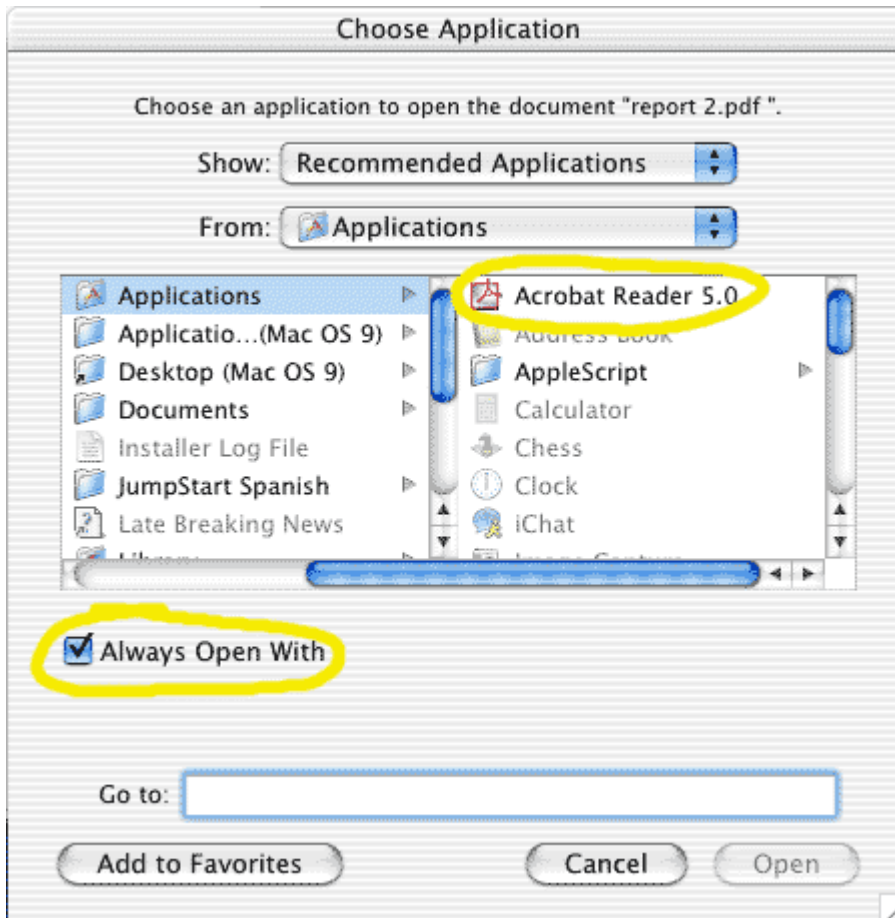
- 800 x 600 or higher screen resolution is recommended
- Screen colors should be set to a minimum (16 bit)

Compatibility Chart

PLATFORM	OPERATING SYSTEM	BROWSERS	MACROMEDIA FLASH	ADOBE ACROBAT READER
PC	Windows 98, 2000, XP OS	Internet Explorer 5.0 or higher (IE is recommended); Netscape 6.1 or higher	Free Macromedia Flash plug-in installed in the web browser. Version 5.0 or higher	For teachers who will be viewing reports, the Free Adobe Acrobat Reader is required, version 5.0 or later. The PDF viewer plugin must be installed. Windows XP requires Reader 5.05 or later.
Macintosh	Macintosh OS	Internet Explorer 5.0 or higher (IE is recommended) Netscape 6.1 or higher Safari and Firefox - all versions	Free Macromedia Flash plug-in installed in the web browser. Version 5.0 or higher	For teachers who will be viewing reports, the Free Adobe Acrobat Reader is required, version 5.0 or later. The PDF viewer plugin must be installed. * OSX users, see note below

*** OS X by default uses the Apple PDF viewer even if Acrobat Reader is installed. This Apple PDF viewer will NOT open the reports. Follow the instructions below for using OS X and Acrobat:**

OS X 10.0 to 10.3 Versions Cheetah, Puma, Jaguar, Panther: Macintosh OS X Acrobat instructions:

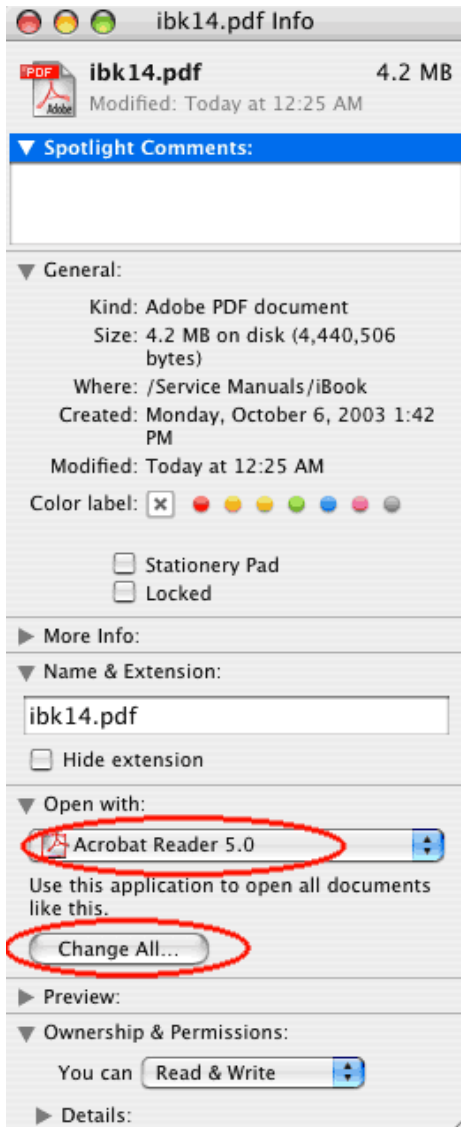


To make Acrobat Reader the default PDF viewing tool on OS X, follow these instructions:

- 1) Hold down the Control key and click on any PDF file.
- 2) Then choose "Open with..."
- 3) Select "Other." A dialogue box will come up that allows you to find an Application.
- 4) Choose "Acrobat 5.0"* or later and...
- 5) Check the box that says "Always Open With."
- 6) Click on the "Open" button.

* Technically, the version of Acrobat has to be 5.05 or later for OS X. You can find out your exact version by opening Acrobat Reader, going to the help menu, and choosing "About Acrobat." The exact version will be in the top left corner of the resulting dialogue box that opens.

OS X 10.4 or later Versions Tiger & Leopard: Macintosh OS X Acrobat instructions:



To make Acrobat Reader the default PDF viewing tool on OS X, follow these instructions:

- 1) Hold down the Control key and click on any PDF file (or select a PDF file and choose "Get info..." from the file menu).
- 2) Then choose "Get Info..."
- 3) A dialogue box will come up that allows you to find an Application under the "Open with:" section. **See image on left.**
- 4) Choose "Acrobat Reader 5.0"* or later version and...
- 5) Click on the "Change All..." button.

* Technically, the version of Acrobat has to be 5.05 or later for OS X. You can find out your exact version by opening Acrobat Reader, going to the help menu, and choosing "About Acrobat." The exact version will be in the top left corner of the resulting dialogue box that opens.