

## Boardmaker 7 Organization IT Deployment Guide

Boardmaker 7 is a hybrid web/installed solution that provides tools for creating and delivering communication and learning supports for students with special educational needs. Use this document to learn how to properly deploy Boardmaker 7 within your organization.



All information in this document is relevant to the current versions of Boardmaker 7 Editor, Student Center, and TD Updater and may not be accurate or applicable to previous versions.

### System Data Privacy and Security

Boardmaker 7 Organization servers are hosted in the Microsoft Azure Cloud, which is a highly secured Tier 1 data center. Physical access to servers is not allowed. Search services are provided by Elastic Search, which has similar facility security. For additional information, please refer to the Boardmaker Organization Security Whitepaper.

### Licensing— Perpetual versus Subscription

As an organization, you have the option of licensing the Boardmaker 7 software on a perpetual or subscription basis. For assistance with making the decision, visit [goboardmaker.com/pages/district-enterprise-request](https://goboardmaker.com/pages/district-enterprise-request) to request a quote from an Account Manager. This section of the guide describes how these two licensing systems work and how to deploy each.

	Perpetual	Subscription
<b>What's included</b>	<ul style="list-style-type: none"> <li>Boardmaker 7 Editor</li> <li>Access to web portal for group license management                             <ul style="list-style-type: none"> <li>5 system admin accounts</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Boardmaker 7 Editor</li> <li>Boardmaker 7 Student Center</li> <li>Access to web portal for student management, reporting, student assignment                             <ul style="list-style-type: none"> <li>Instructor accounts (any instructor can be given admin privileges)</li> <li>10 student accounts for each instructor account</li> </ul> </li> </ul>
<b>Licenses</b>	Purchase a set number of concurrent use licenses.	Purchase a set number of named user logins.
<b>Activations</b>	Twice the number of licenses. Each license permits two activations.  Example: If you purchase 50 perpetual licenses, you can install and activate the software on 100 computers—one at school and one at home for each instructor. However, only 50 users can be using the software at any given time.	No software activation. Users log in for authentication.  Example: Purchase 50 instructor logins, then install the software on every computer in the district (Windows, Mac or Chromebook). Users log in to any copy of the software. The only restriction is that two people cannot be logged in with the same credentials at the same time.
<b>License key</b>	1 group license key	n/a
<b>Logins</b>	Up to 5 system admin logins	Purchased number of instructors
<b>Deployment</b>	Install the Boardmaker 7 Editor, then enter the group license key.	Install the Boardmaker 7 software on any number of computers. There is no license key to enter after installation. Users log in to authenticate and use the software.

### Minimum Requirements

Table 1: Boardmaker 7 Editor system requirements

	Windows	Mac	Chromebook
<b>Operating System</b>	Windows 10 64-bit or higher*	macOS 10.15 or higher	ChromeOS 109 or higher* ChromeOS Flex not supported.
<b>Available hard drive space</b>	Minimum: 2 GB Recommended: 4 GB	Minimum: 2 GB Recommended: 4 GB	Minimum: 2 GB Recommended: 4 GB

	Windows	Mac	Chromebook
RAM	8 GB	8 GB	8 GB

\*ARM processor not supported.

Table 2: Boardmaker 7 Student Center system requirements

	Windows	Mac	Chromebook	iPadOS
Operating System	Windows 10 64-bit or higher*	macOS 10.15 or higher	ChromeOS 69* ChromeOS Flex not supported.	iPadOS 15.0 or higher
Available hard drive space	Minimum: 2 GB Recommended: 4 GB	Minimum: 2 GB Recommended: 4 GB	Minimum: 2 GB Recommended: 4 GB	Minimum: 2 GB Recommended: 4 GB
RAM	8 GB	8 GB	8 GB	4 GB

\*ARM processor not supported.

Table 3: System default browser requirements

Browser	Minimum version
Firefox	114.0
Chrome	117
Edge	97
Safari	15

## Deployable Components

	Boardmaker 7 Editor	Boardmaker 7 Student Center
Description	The application used by instructors to create, edit, print, and play materials, either from scratch or pre-made templates.	The application where students can play activities assigned by teachers. Teachers can use Student Center to view student assignment lists and play activities.  Student Center is only for certain subscription plans and is not applicable to perpetual licenses.
Executables	Mac (Download) Chromebook (Google Play)	Mac (Download) iPadOS (Apple App Store) Chromebook (Google Play)
Installers	Windows .msi (Download)	Windows .msi (Download)

## Remote Installation

Table 4: Remote installation information

	Windows	Mac	Chromebook	iPadOS
Boardmaker 7 Editor	.msi installer <sup>†</sup>	.pkg installer <sup>†</sup>	G Suite with Google Play Store enabled. Boardmaker 7 Editor app must be whitelisted. <sup>††</sup>	Boardmaker 7 Editor is not currently available for iPad.
Boardmaker 7 Student Center	.msi installer <sup>†</sup>	.pkg installer <sup>†</sup>	G Suite with Google Play Store enabled. Boardmaker 7 Student Center app must be whitelisted. <sup>††</sup>	Update through the Apple app store or use a third-party deployment tool. <sup>†††</sup>

<sup>†</sup> Requires third-party network deployment tools.

†† Instructions on enabling the Google Play Store and managed apps can be found [here](#).

††† Instructions on deploying managed apps to iPads can be found [here](#).

## Deployment Options

### Instructor Installation

Users can download the application directly from their myBoardmaker.com account. Each user must have permission on their devices to allow them to install successfully.

### Email Installation

If staff have permissions to install applications, you can simply email the download link and the user can install the software themselves. With perpetual licenses, the staff members will require the activation code. For subscription licenses, each staff member will need to be issued credentials.

### Manual Installation

IT personnel can go to each device and install the software. With a perpetual license, the activation can be done at that time. For subscription licenses, each staff member will need to be issued credentials to use the software.

### Push Installation — Windows

The Windows installers for Boardmaker 7 Editor and Student Center are .MSI files that can be packaged for remote installation using the commands below or third party deployment tools.

Use the `cd` command to navigate to the directory containing the .MSI installer file.

Basic push install with a subscription license:	<code>msiexec /i "FILENAME.msi"</code>
Basic push install with a perpetual license:	<code>msiexec /i "FILENAME.msi" LICENSEKEY="12345"</code> The installer sets the key in the registry and then on launch. If a license hasn't been used before, it automatically activates the key.

Optional Parameters (Windows only)	
<code>DISABLESTRICTSSL="true"</code>	Disable strict SSL.
<code>PROXYUSERNAME="My Username"</code>	Set the proxy user name.
<code>PROXYPASSWORD="My Password"</code>	Set the proxy password.
<code>DISABLEUPDATECHECK="true"</code>	Disable automatic Boardmaker 7 software update checks.* Must be used with <code>DISABLEAUTODOWNLOAD=</code>
<code>DISABLEAUTODOWNLOAD="true"</code>	Disable automatic download of Boardmaker 7 update files.* Must be used with <code>DISABLEUPDATECHECK=</code>
<code>DISABLEUPDATER="true"</code>	Disable (do not install) TD Updater. Note: Ensure that any previous installations of Boardmaker 7 and TD Updater have been uninstalled prior to using this parameter.

\* If this setting is defined at the command line or via DNS (either "true" or "false"), the update settings become exclusively controlled by the network administrator and can no longer be accessed via the TD Updater UI. For information on configuring this setting via DNS see section 6.7 *DNS Global Settings for Software Update Policy, page 4*.

The optional parameters listed above can be used in any combination. For example, to set the proxy username, proxy password, and disable strict SSL: `msiexec /I "FILENAME.msi" PROXYUSERNAME="MyUsername" PROXYPASSWORD="MyPassword" DISABLESTRICTSSL="true"`

## Push Installation — Mac

The Mac installers for Boardmaker 7 Editor and Student Center are .pkg files that can be packaged for remote installation using the commands below or third party deployment tools.

The push install command for Mac does not support passing the license key for perpetual licenses.

Basic push install:	<code>sudo installer -pkg /path/to/package.pkg -target /</code>
Push install that excludes the TD Updater:	<code>sudo installer -pkg /path/to/package.pkg -target / -applyChoiceChangesXML /path/to/scriptname.xml</code> To exclude the TD Updater app, you must first download the scripts from <a href="https://download.mytobiidynavox.com/Boardmaker/v7/disable_TDUpdater_scripts.zip">download.mytobiidynavox.com/Boardmaker/v7/disable_TDUpdater_scripts.zip</a> , unzip the folder, and then edit the path in the command shown above to point to the relevant script file on your computer. When installing Boardmaker 7 Editor use <code>disable_editor_updater.xml</code> . When installing Boardmaker 7 Student Center, use <code>disable_student_center_updater.xml</code> .

To use the optional parameters, you must first download the script from [download.mytobiidynavox.com/Boardmaker/v7/set\\_updater\\_settings.sh](https://download.mytobiidynavox.com/Boardmaker/v7/set_updater_settings.sh)

Change the file permissions to allow the script to be executed: `sudo chmod 777 set_updater_settings.sh`

Then, run the desired optional parameter commands listed below.

Optional Parameters (Mac only)	
<code>./set_updater_settings.sh --disableUpdateCheck</code>	Disable automatic Boardmaker 7 software update checks.*
<code>./set_updater_settings.sh --disableAutoDownload</code>	Disable automatic download of Boardmaker 7 software update files.*
<code>./set_updater_settings.sh</code>	Enable automatic update checks and automatic download of update files.*

\* If this setting is defined (either "true" or "false") at the command line or via DNS, the update settings become exclusively controlled by the network administrator and can no longer be accessed via the TD Updater UI. For information on configuring this setting via DNS see section 6.7 *DNS Global Settings for Software Update Policy*, page 4.

## Push Installation — Chromebook and iPadOS

The Google Play Store is used to deploy managed apps to Chromebooks. Instructions on enabling the Google Play Store and managed apps can be found [here](#).

Push installation is possible on iPads using third party deployment tools or through the app store. See the [Apple Deployment Reference](#) for details.

## DNS Global Settings for Software Update Policy



The DNS update policy settings feature is only available for Windows and Mac desktop installations. It is not available for Chromebook.

The following TD Updater settings can be set by DNS TXT record:

- Automatically check for updates (default is ON).
- Automatically download update files (default is ON).

The record must be JSON formatted as shown in this example: `{"Auto_Check":true, "Auto_Download":true}`

TD Updater checks *tdupdater.{domain of client machine}* for a record. If no record is found, it checks "tdupdater" TXT record. If the TXT record is not returned then it reverts to the last known policy. If there is no last known policy, then the default policy is applied (auto check and auto download enabled).

## Local Security with Multiple Users

On computers with multiple user accounts, lock these files and folders containing personal information:

### Windows

- %USERPROFILE%/AppData/Roaming/Boardmaker 7 Editor/storage/production/<emailAddress>
- %USERPROFILE%/AppData/Local/Boardmaker 7 Editor/Documents
- %USERPROFILE%/AppData/Roaming/Boardmaker 7 Editor/shared/offline-data/<userId>
- %USERPROFILE%/AppData/Roaming/Boardmaker 7 Student Center/storage/production/<emailAddress>
- %USERPROFILE%/AppData/Roaming/Boardmaker 7 Student Center/shared/offline-data/<userId>

### Mac

- ~/Library/Application Support/Boardmaker 7 Editor/storage/production/<emailAddress>
- ~/Documents/Boardmaker/Activities/<emailAddress>
- ~/Library/Application Support/Boardmaker 7 Editor/shared/offline-data/<userId>
- ~/Library/Application Support/Boardmaker 7 Student Center /storage/production/<emailAddress>
- ~/Library/Application Support/Boardmaker 7 Student Center/shared/offline-data/<userId>

## Permissions

On Windows devices, Boardmaker 7 must be able to write to the following folders:

- appdata/local
- appdata/roaming

## Proxy Information

Ports 80 and 443 must be open for outgoing traffic.

## Whitelist

Certain domains must be whitelisted to ensure that the software works properly on your system. See the current whitelist at <https://us.tobiidynavox.com/blogs/support-articles/boardmaker-what-urls-do-i-need-to-whitelist-for-boardmaker-7>

If you are having issues with the Boardmaker software, contact Technical Support at [Support.NA@goboardmaker.com](mailto:Support.NA@goboardmaker.com) or [Support.UK@tobiidynavox.com](mailto:Support.UK@tobiidynavox.com).