

Assessment Lock Installation & User Guide



Ministry of
Education and
Child Care



Vretta

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Preface

This document details the installation and usage procedures necessary to set up **Assessment Lock** on Windows, Mac OS, and Chromebooks.

Section 1: Connectivity Requirements

The information in this section is recommended for review by the designated school or district IT contact.

Bandwidth

The assessment requires a connection that does not go below 80 kbps per device. For optimal functioning, an average of 2 Mbps or greater is recommended. IT teams are responsible for determining and reporting the bandwidth and connectivity at the schools. The following are questions you may want to ask technical staff who are handling setup at the schools:

- How are computers connected to the internet? Are they wired or do they use Wi-Fi?
- What is the bandwidth available to each device that will be used in the assessment?

Domain-Allowed List for Firewalls

- fonts.googleapis.com
- s3.ca-central-1.amazonaws.com
- d3f6c695moy7r.cloudfront.net
- d3azfb2wuqle4e.cloudfront.net
- cdnjs.cloudflare.com
- fonts.gstatic.com
- firebasestorage.googleapis.com
- mqvurtmevc.execute-api.ca-central-1.amazonaws.com
- *.vretta.com
- d9unvfzorf0bo.cloudfront.netdata://*
- d1hvyp8wapcgir.cloudfront.net/*
- d9unvfzorf0bo.cloudfront.net/*
- d1yb8axa7jtm4t.cloudfront.net/*
- d3gmpnnqf0pogw.cloudfront.net/*

IP Address Considerations

The IP addresses used may change, and firewall rules should be domain-based, not IP-based. If IP-based rules must be used, any IP address within the IP ranges used by AWS should be allowed.

DNS Considerations

The application expects that browsers will resolve domain names using publicly available DNS based on the authoritative name server for a given domain.

Section 2: Supported Platforms & System Requirements

Windows & Mac

Category	Requirement
Operating System	Windows 10 1803+ or OSX 10.13.6+
Ram	4GB
Connection Speed	80 kbps / device

Chrome OS

Category	Requirement
Operating System (Chrome OS)	Version 138 or Higher
Ram	4GB
Connection Speed	80 kbps / device

iPad

Category	Requirement
Operating System	iOS 11 or newer
Connection Speed	80 kbps / device

Section 3: Deployment Strategy

Notes:

- If you previously used SEB, you must uninstall it first before deploying Assessment Lock.
- If you update Assessment Lock, you must uninstall the previous version first before installing the updated one.

Windows

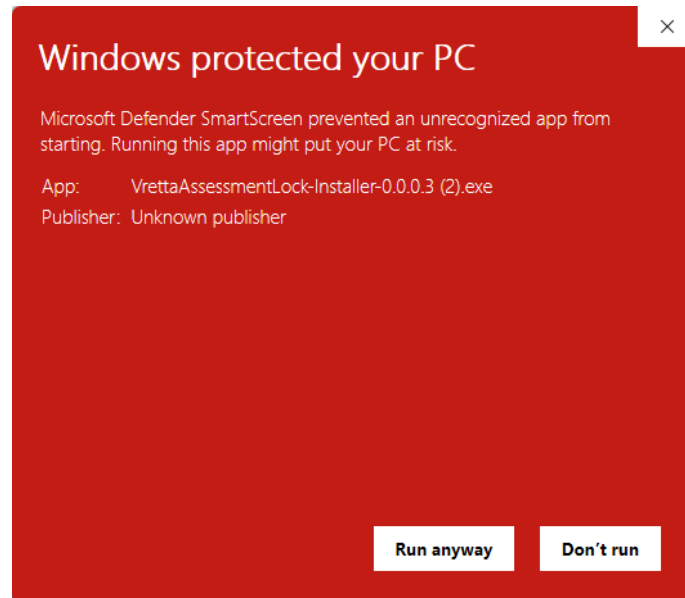
Individual PCs

1. Download Assessment Lock from the following [link](#).

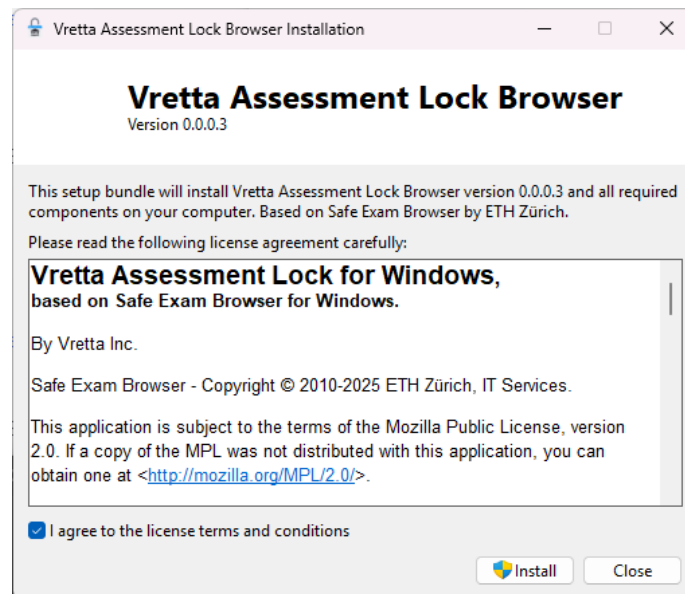
Optional arguments for **silent install**:

VrettaAssessmentLock-Installer-x.x.x /install /quiet /norestart

2. From the Windows Defender pop-up, select “**More info**” followed up by “**Run anyway**”.



3. Click on the “**I agree**” checkbox followed by the “**Install**” button.



4. Wait for the install process to complete
5. Once the installation process has finished, click on the “**Close**” button.

Fleet Deployment

For Windows computers, Assessment Lock and its associated configuration file can be deployed via Intune or any other MDM solution.

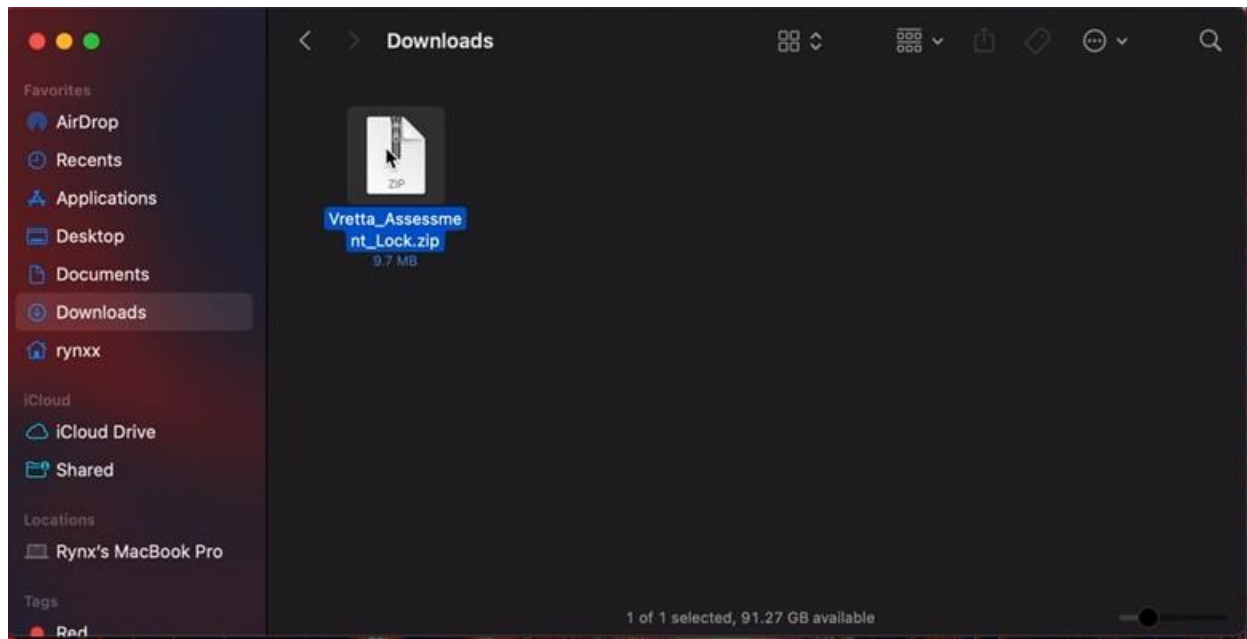
- 1) Create an Intune source project folder.
- 2) Download, unzip and review the example script from the following: [Click to download](#)
- 3) Modify the installation script to match your requirements.
- 4) Package with the native IntuneWinAppUtil.
- 5) Deploy to the fleet.

Name	Date modified	Type	Size
▼ Today			
 BC Assessment Lock Install.bat	2026-05-21 11:53	Windows Batch File	10 KB
 NWT Assessment Lock Install.bat	2026-05-21 11:49	Windows Batch File	10 KB
 readme.md	2026-05-21 11:44	Markdown Source...	7 KB
 uninstall.bat	2026-05-21 11:44	Windows Batch File	4 KB

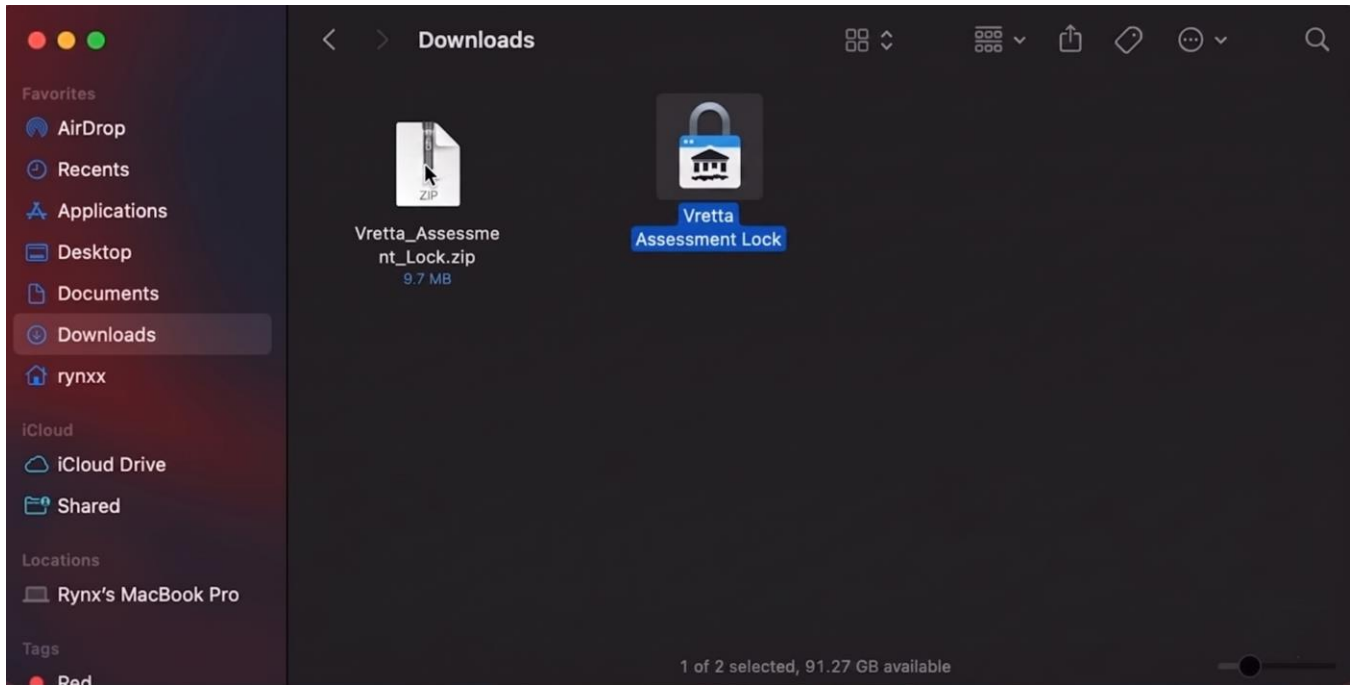
Mac OS

Individual Macbooks

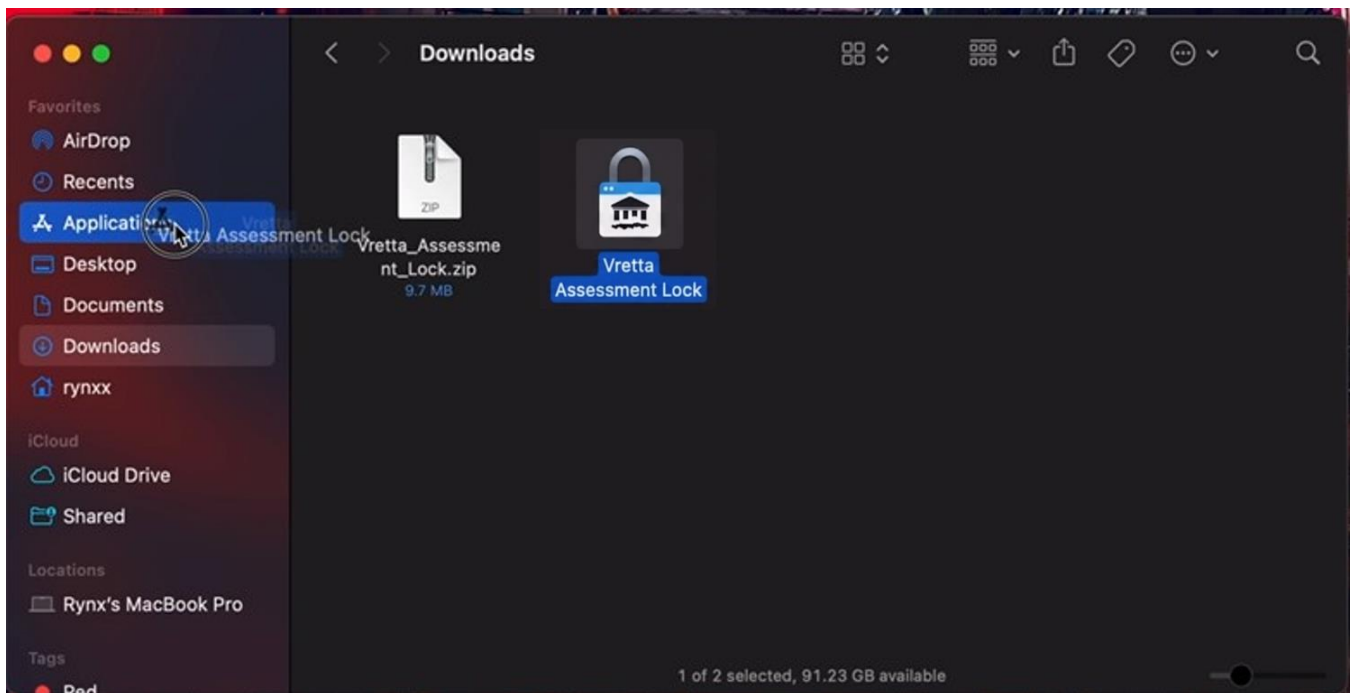
1. Download Assessment Lock from the following: [Click to download](#).



2. Extract the zip folder by double clicking on it.



3. Click and drag the application into the “**Applications**” directory.



Fleet Deployment

Assessment Lock can be deployed to Mac OS devices via MDM solutions such as JAMF.

1. Download the example deployment script from the following: [Click to download](#)
2. Unzip the folder.
3. Review and customize the script for your specific configuration and goal.
4. Deploy and run the script across the fleet.

Chrome OS

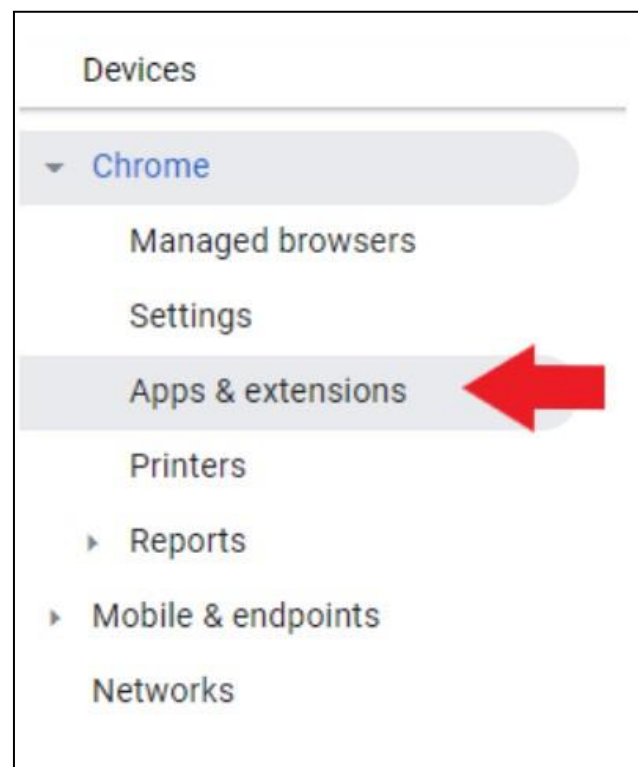
Fleet Deploy via CMC

Note: The following instructions are only applicable to schools that currently have Chrome Management Console enabled and have Chromebooks enrolled as devices.

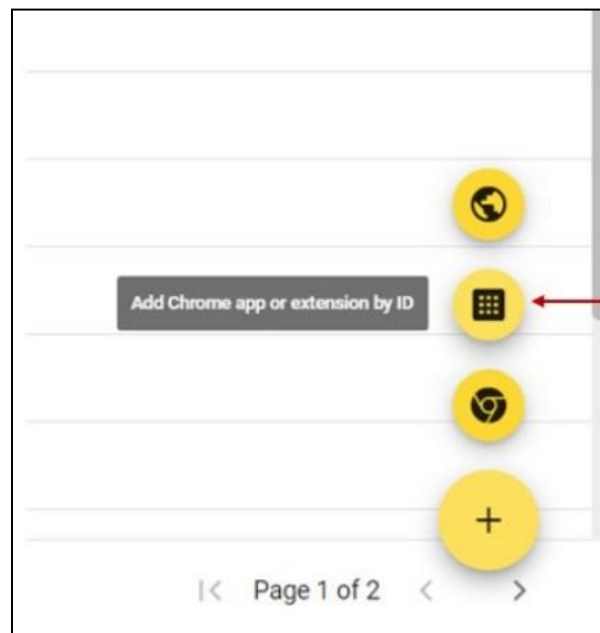
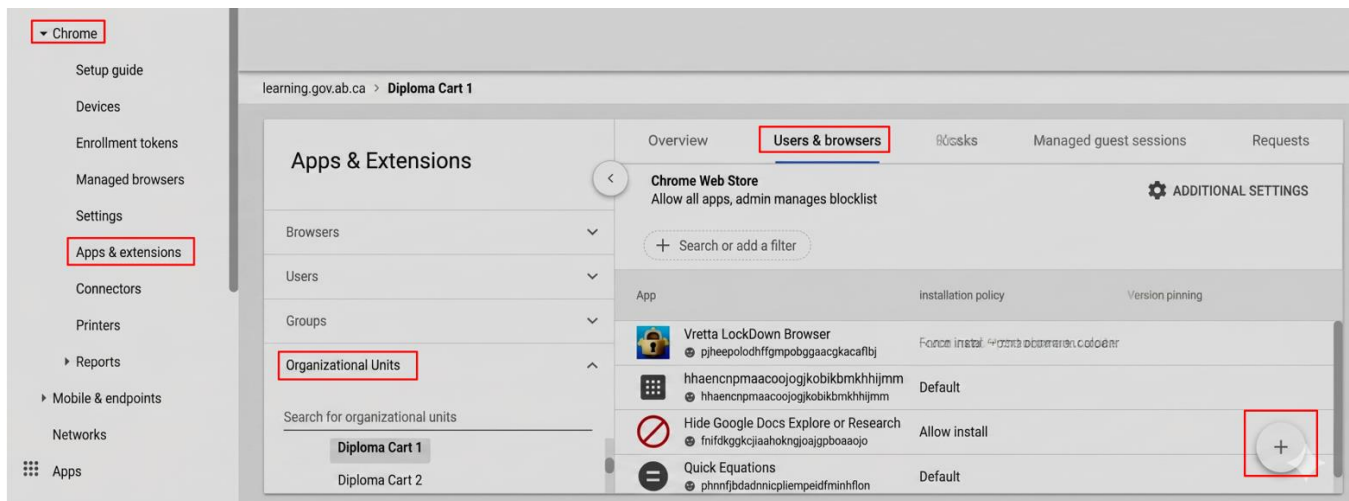
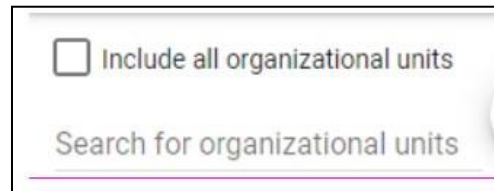
There are two ways you can manage Assessment Lock on Chromebooks. You can either add it to the **Users & Browsers settings**, or you can use a **Managed Guest Session**.

Users & Browsers Settings

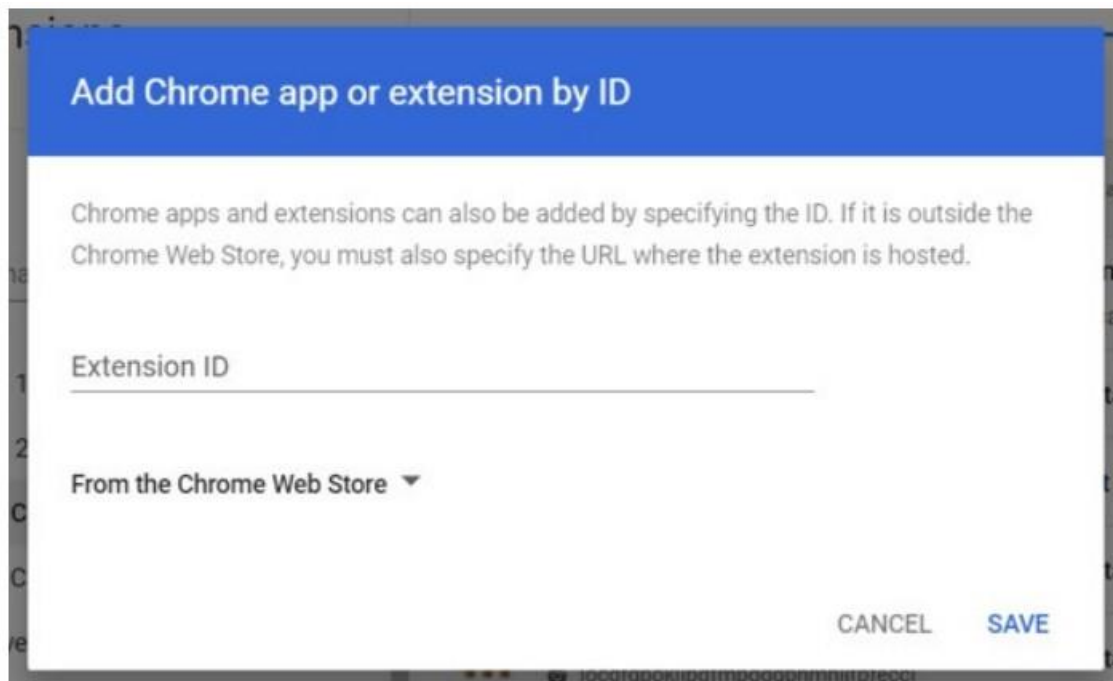
1. Login to your Google Chrome Management console, go to Devices, and click on Apps and Extensions under the Chrome tab to your left.
2. Once the organizational unit is selected, click on **Users and Browsers** and click on the yellow + button on the bottom right corner. Click on **Add Chrome App or Extension by ID**.



Important: Please make sure that the correct Organizational Units (group of your enrolled devices) have been selected before moving to the next steps.



3. Enter the extension ID: **objafjdlhkpglojmhplfeijpojcepoah**



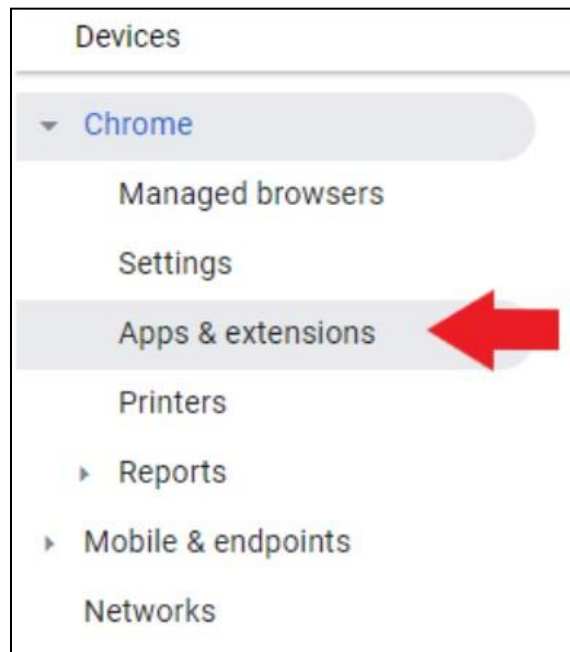
4. Once installed, the application should show up on your console. Make sure it is set to **Force install**.
5. **Optional:** Under User experience > Managed bookmarks - bookmark the student log-in page so they can easily access it for assessments at:
<https://bc.ed.vretta.com/#/en/bced-landing/grad/secure>

Under **Device Settings**

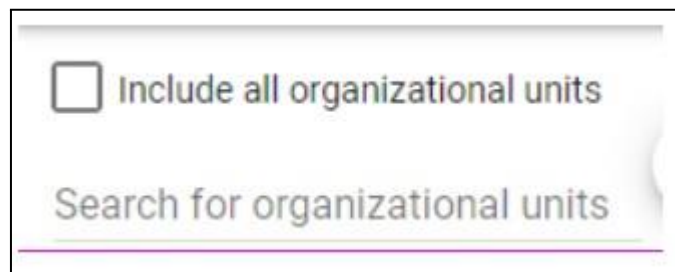
- **Sign-in settings:** Guest mode, disable guest mode.
- **Sign-in screen accessibility:** Select to speak - enable, Dictation - enable, Accessibility shortcuts – enable
- **Other settings:** Bluetooth - disable

Managed Guest Session Settings

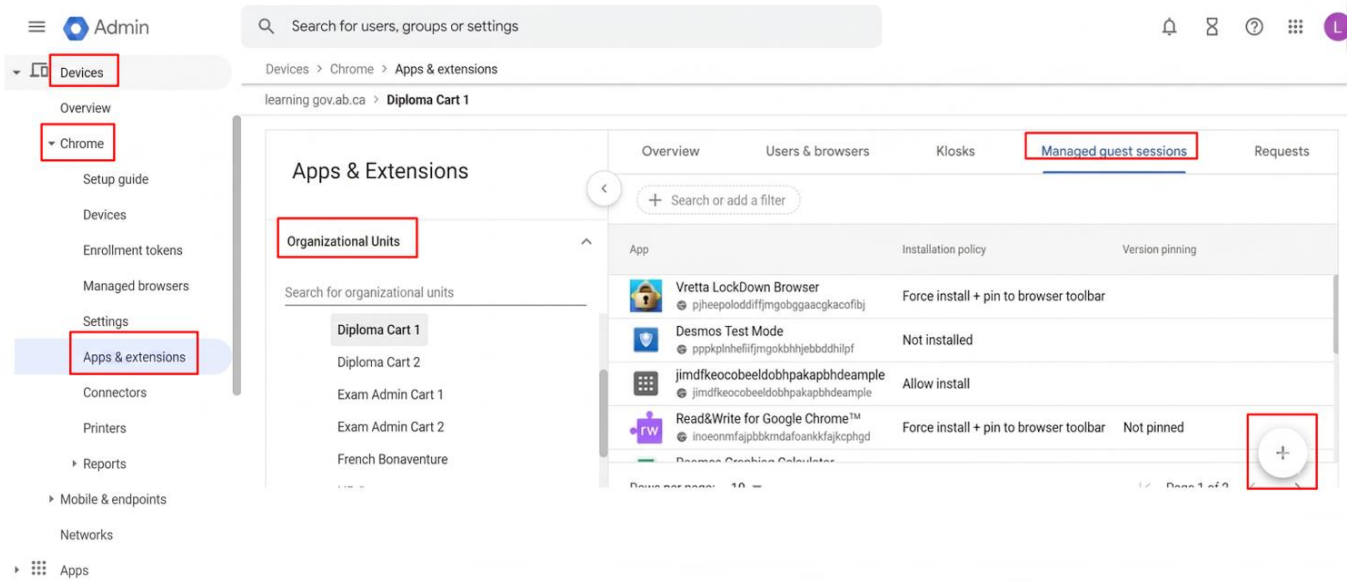
1. Login to your Google Chrome Management console, go to **Managed Guest Session Settings**, and click on Apps and Extensions under the Chrome tab to your left.



Important: Please make sure that the correct Organizational Units (group of your enrolled devices) have been selected before moving to the next steps.



2. Click on **Managed Guest Sessions**.



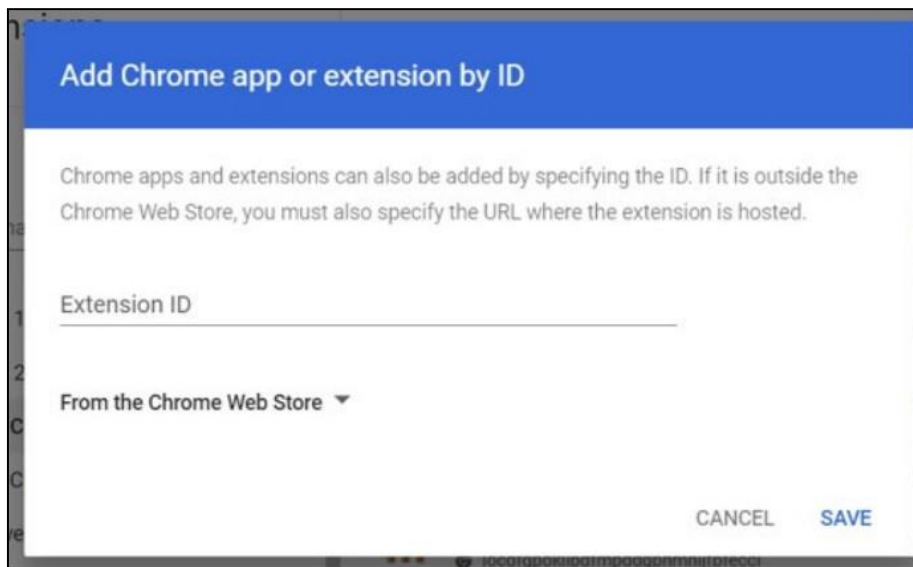
The screenshot shows the Google Admin console interface. On the left sidebar, the 'Admin' menu is open, and 'Apps & Extensions' is selected under the 'Settings' section. The main content area shows the 'Apps & Extensions' page for 'Diploma Cart 1'. The 'Managed guest sessions' tab is selected. A table lists installed apps with columns for 'App', 'Installation policy', and 'Version pinning'. A yellow '+' button is visible in the bottom right corner of the table, which is highlighted with a red box. The 'Organizational Units' list on the left includes 'Diploma Cart 1', 'Diploma Cart 2', 'Exam Admin Cart 1', 'Exam Admin Cart 2', and 'French Bonaventure'.

3. Click on the yellow + button on the bottom right corner. Click on **Add Chrome App or Extension by ID**.

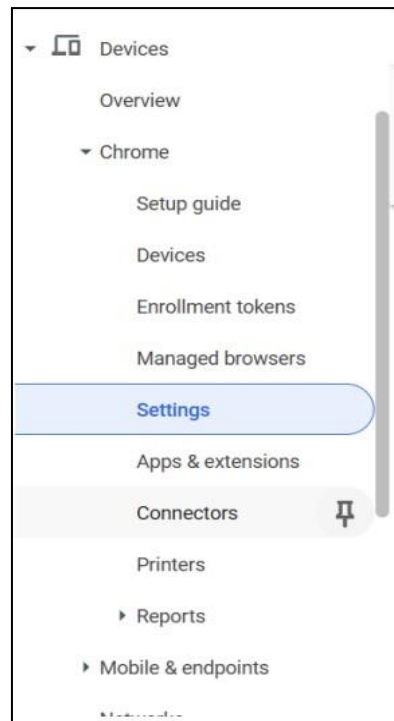


The screenshot shows a dialog box titled 'Add Chrome app or extension by ID'. It features a search bar at the top and a list of yellow circular buttons below. The buttons include a globe icon, a grid icon (highlighted with a red arrow), a magnifying glass icon, and a plus sign icon. The text 'Add Chrome app or extension by ID' is displayed in a grey box. At the bottom, there is a pagination indicator showing 'Page 1 of 2'.

4. Enter the ID of the extension. **objafjdlhkpglojmhplfeijpojcepoah**



5. Once installed, the application should show up on your console. Make sure it is set to **Force install**.
6. Go to **Settings**.
7. Under the **Manage guest session Settings Tab**:



- Homepage: set to student login to:
<https://bc.ed.vretta.com/#/en/bced-landing/grad/secure>

Note: You can also add this page to load on startup.

- Content:
 - URL Blocking – exceptions - chrome://os-settings
- Accessibility:
 - select to speak – enable
 - Dictation – enable
 - Accessibility shortcuts - enable

8. Under **Device Settings** tab:

- Sign-in settings:
 - Guest mode - disable guest mode.
- Sign-in screen accessibility:
 - Select to speak - enable
 - Dictation – enable
 - Accessibility shortcuts – enable
- Other settings
 - Bluetooth - disable

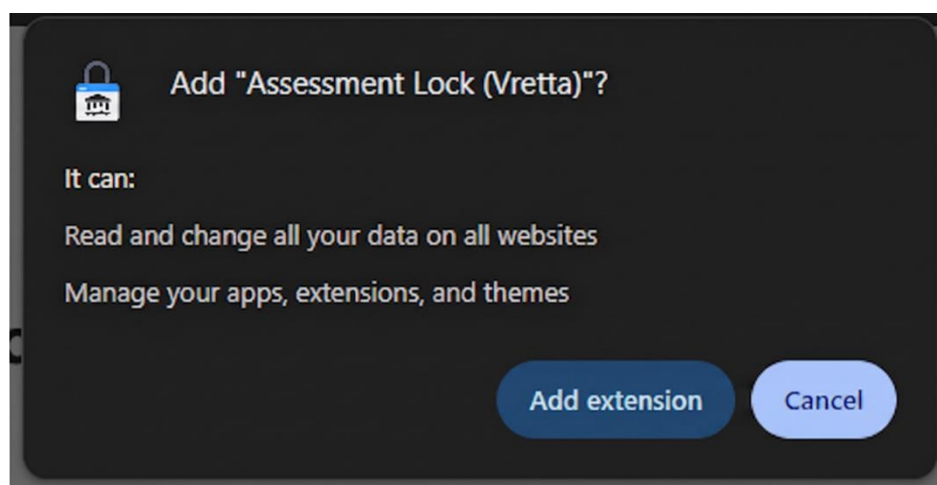
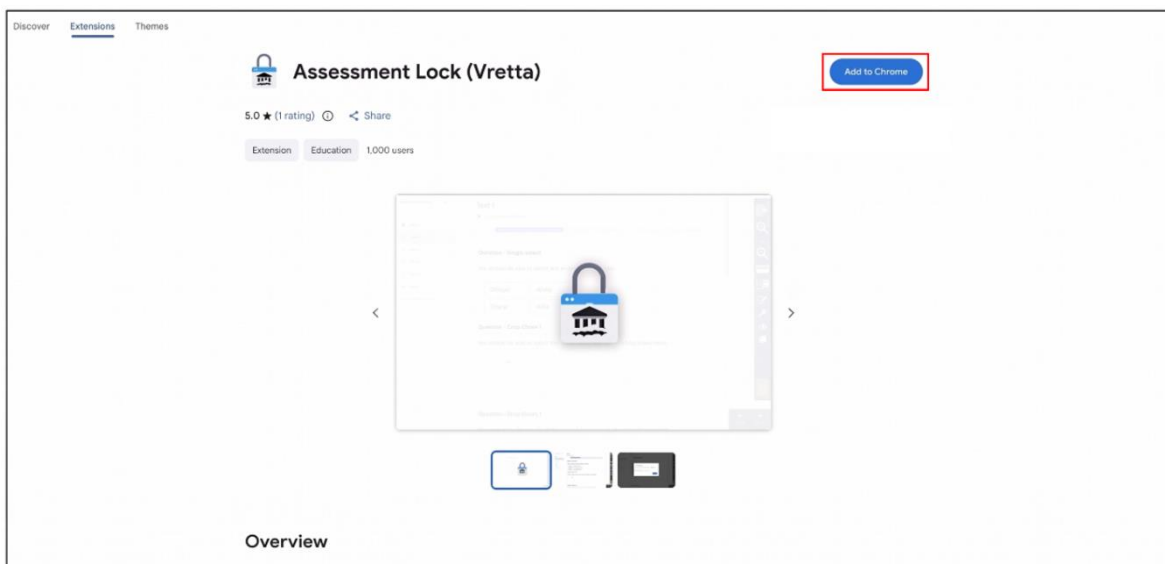
Locally Managed with Individual Devices via WebStore

This installation method will only work for Chromebooks that are NOT centrally managed within Chrome's KIOSK Mode.

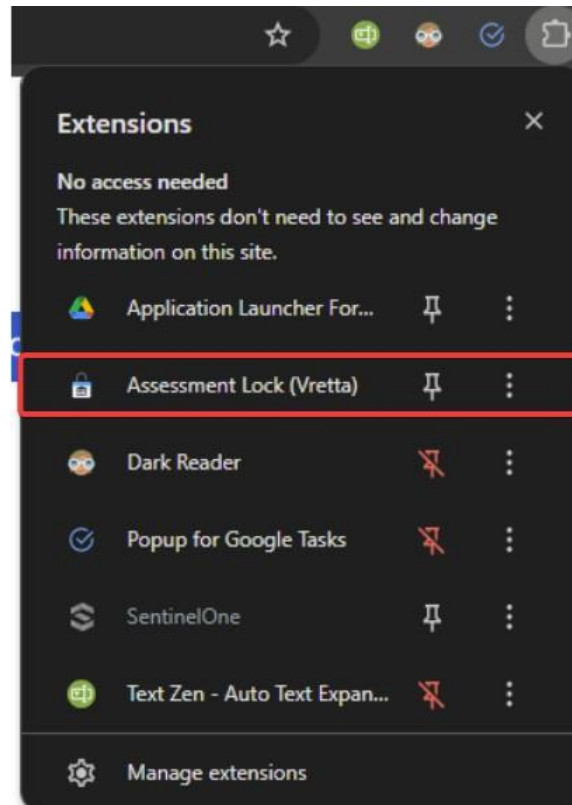
1. Proceed to the Assessment Lock extension via the Chrome Web Store at the following url:

<https://chromewebstore.google.com/detail/assessment-lock-vretta/objafjdlhkpqloimhplfeijpoicepoah>

2. Click the “**Add to Chrome**” button, then in the pop up that appears select the “**Add extension**” button.



3. To ensure that the extension has been added correctly, select the puzzle piece on the top right side of the chrome browser and ensure that the Assessment Lock extension is present.



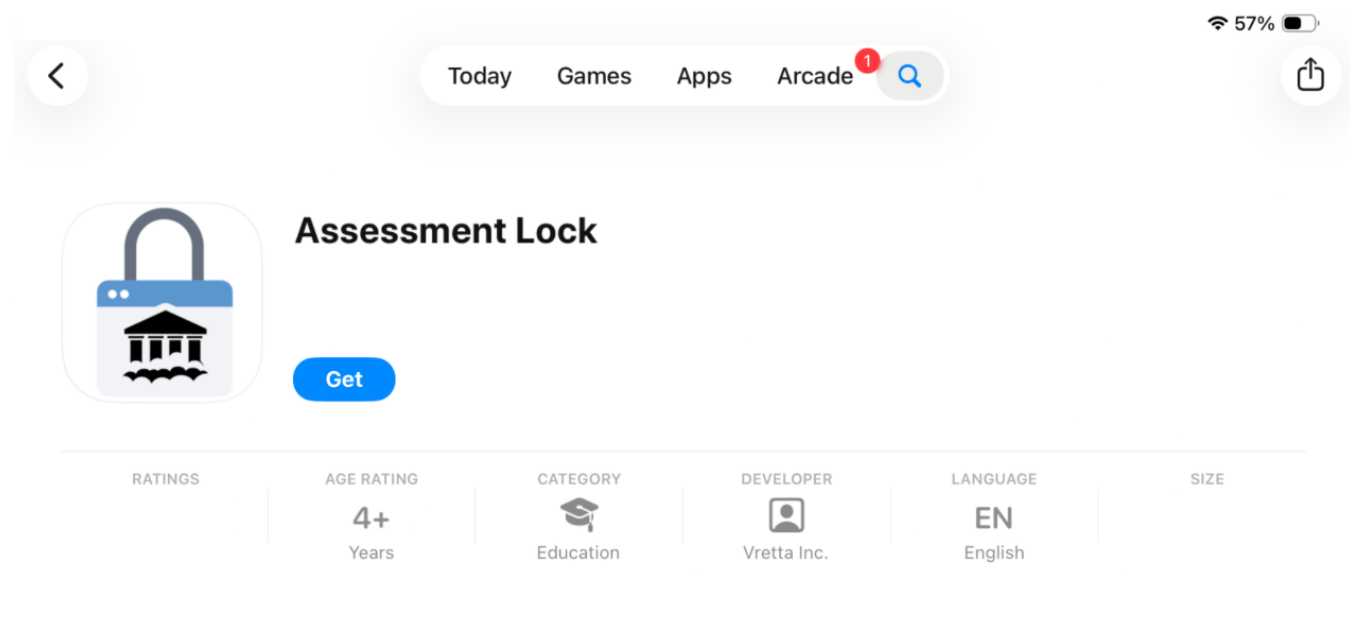
4. On the day of the assessment, students must use the following link to access the assessment: <https://bced.vretta.com/#/en/bced-landing/grad/secure>

5. On the day of the assessment, the Assessment Lock will automatically initialize once the student logs into the assessment. If the Chrome extension is not active or has been removed, the student will be unable to proceed.

iPad

Individual iPads

1. Go to the Apple App Store and search for Assessment Lock under developer **Vretta Inc.**
2. Download Assessment Lock from the Apple App Store.



Fleet Deployment

The process described below is one recommended approach. If your school or district has its own standard procedure for installing apps to device fleets, you can continue to use that as well.

Apple School Manager gives your school or district a simple way to acquire and manage content in an area called Apps and Books. With your mobile device management (MDM) solution, you can install and update apps remotely, even if the App Store is disabled on the device.

To install Assessment Lock without triggering an Apple ID login prompt on the iPad, the app must be ingested into your Volume Purchase Program (VPP) pool.

Step 1: Search for Assessment Lock in “Apps and Books” and Claim Licenses

The Assessment Lock app is 100% free, but Apple requires your institution to hold a license for every device receiving it.

1. **Log In:** Go to [Apple School Manager](#)  using an account with the role of **Administrator** or **Content Manager**.
2. **Find the App:** On the left sidebar, click on **Apps and Books** .
3. **Search:** Use the search bar to find the **Assessment Lock** application.
4. **Assign Location & Quantity:** Select the correct school location from the dropdown menu (if your district has multiple).
 - In the **Quantity** field, enter the number of licenses you need.
 - **Tip:** Always "buy" a few more licenses than you have physical devices to account for future enrollment changes. For example, for free apps, there is no penalty for ordering 500 licenses for a 300-device fleet.
5. Select the **Location** that needs access to the licenses.
6. **Purchase:** Click **Get**. The licenses will be provisioned to your account within a few minutes.

Step 2: Sync and Configure the App in your MDM Console

Now that your school or district legally owns the app licenses, you need to tell your MDM how you want that app treated.

Once Apple processes the licenses, they will automatically appear in your MDM database via your Server Token (.vpptoken).

1. **Log in** to your school's **MDM console**.
2. **Apps Management:** Navigate to your **Apps** or **Mobile Apps** management section.
3. **Trigger a Sync:** While most MDMs sync with Apple automatically a few times a day, look for a manual **"Sync Apps"** or **"Sync ASM/VPP Token"** button to bring the new licenses over immediately.
4. **Locate the App:** Navigate to your MDM's app repository or catalog. The newly purchased app will now be visible.
5. **Set the Assignment Type to "Device-Based":** This is the single most critical step for a 1:1 school deployment. Ensure the assignment type is set to **Device Assignment** rather than *User Assignment*.
 - **Why?** Device-based assignment means the app attaches to the iPad's serial number. It will install **silently** without prompting the student to type in an Apple Account password.
6. **Choose the Installation Method: Automatic/Forced:** The app will push to the device automatically with no student interaction required.

Step 3: Scope and Push the App to iPads

Now you determine which student or teacher iPads receive the app.

1. **Define the Scope:** Within the app settings inside your MDM, look for the **Scope, Targets, or Assignments** tab.
2. **Select Your Target:** You can scope the app to:
 - Your entire fleet.
 - Specific device groups (e.g., *"Grade 7 iPads"*).
 - Individual devices if doing a targeted test.
3. Click **Save** or **Distribute**.

Step 4: Managing Future App Updates

Because the app is tied directly to Apple's global Content Delivery Network, future updates require zero administrative overhead.

- **Overnight Background Updates:** As long as your MDM's global application settings have *"Automatically update App Store apps"* toggled on, student iPads will automatically pull our latest version over Wi-Fi during their overnight polling cycle.
- **Day-of Emergency Pushes:** If an urgent exam patch is released on the morning of a testing window, open the app record inside your MDM and click **Send "Force Update" Command**. Targeted iPads will pull the fresh binary over Wi-Fi within 2 to 5 minutes.

Section 4: Launch Assessment Lock

Important: Before launching Assessment Lock, **make sure you have the supervisor password** available to you. If a student needs to exit the assessment before submitting it, they should inform their administrator, who must use a “supervisor password” to exit the Assessment Lock browser. The password can be found in the e-Assessment invitation email sent to administrators prior to each session. Alternatively, contact bc-ed-support@vretta.com to make a request. **The supervisor password should not be shared with any student.**

Windows and Mac OS

Note: On first launch you might need to grant the application extra permissions to function.

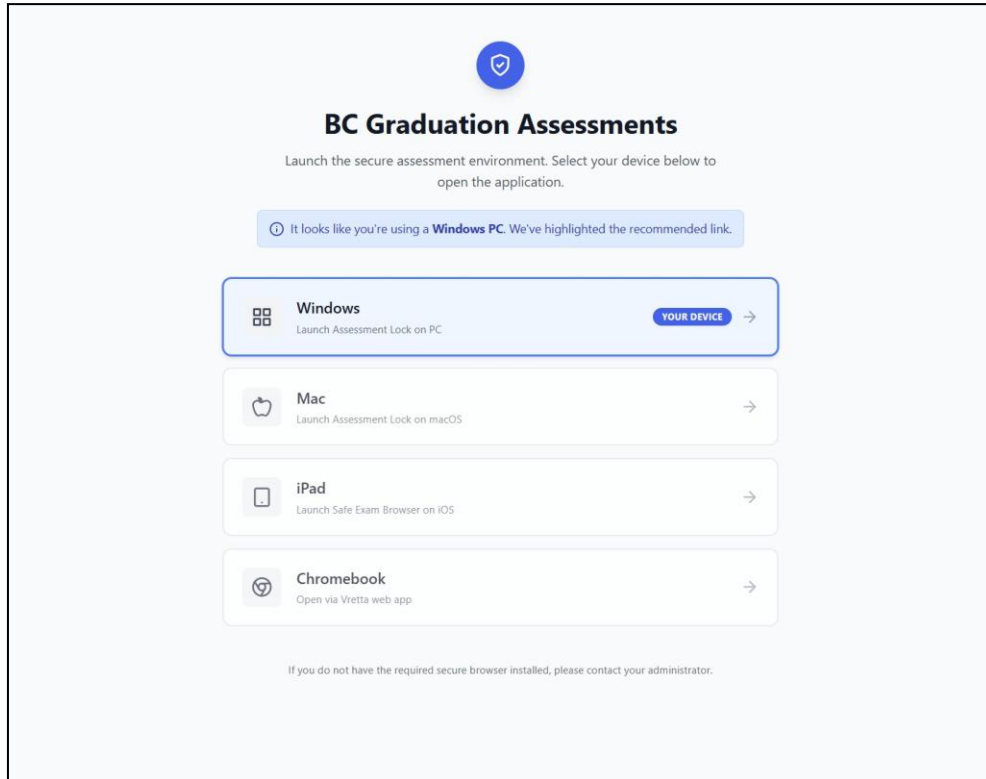
Method 1: Launch Link

Every graduation administration period, we send an email to the registered principal of the school which contains a launch link and additional instructions. After the installation, Assessment Lock can be launched using the link provided in that email.

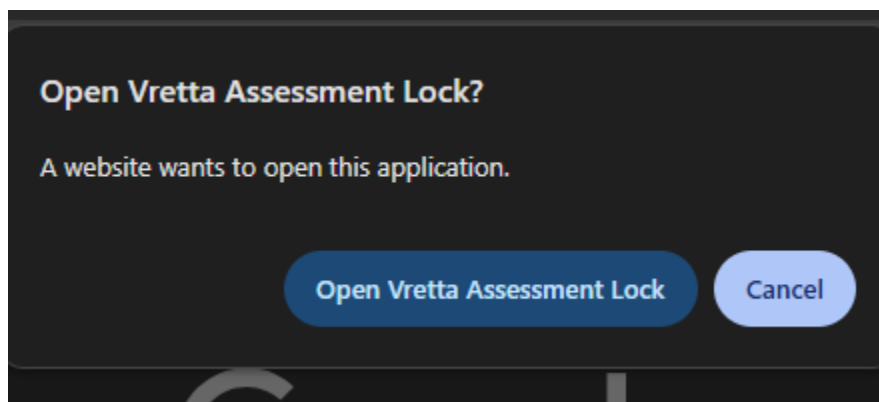
1. We recommend testing with the following link by copying and pasting it into a browser:

<https://bc.ed.vretta.com/assets/assessment-lock/index.html>

- The platform should already be preselected. To launch Assessment Lock, you must click on the highlighted option. If the platform is incorrect, simply click on the correct option.



- Once launched, the browser will prompt the user to “**Open Vretta Assessment Lock**”.



Method 2: Using a Configuration File

School admins and IT personnel can request a “.seb” configuration file from Vretta at: bced-support@vretta.com.

1. The user must save or distribute files onto the computers.
2. The user must double click the file to launch or right click and select with “**Assessment Lock**”.



Chromebooks

After the extension is installed, navigate to the following url:
<https://bced.vretta.com/#/en/bced-landing/grad/secure>

After the student enters their login information and confirms their name, the Assessment Lock Chrome extension will launch automatically.

Assessment Lock gets disabled automatically when the student submits the assessment. If the need to quit the assessment early arises, locate the “**Exit Assessment Lock**” button on the top left corner of the page. Once clicked, enter the supervisor password followed by the “Submit” button.

Exit Assessment Lock

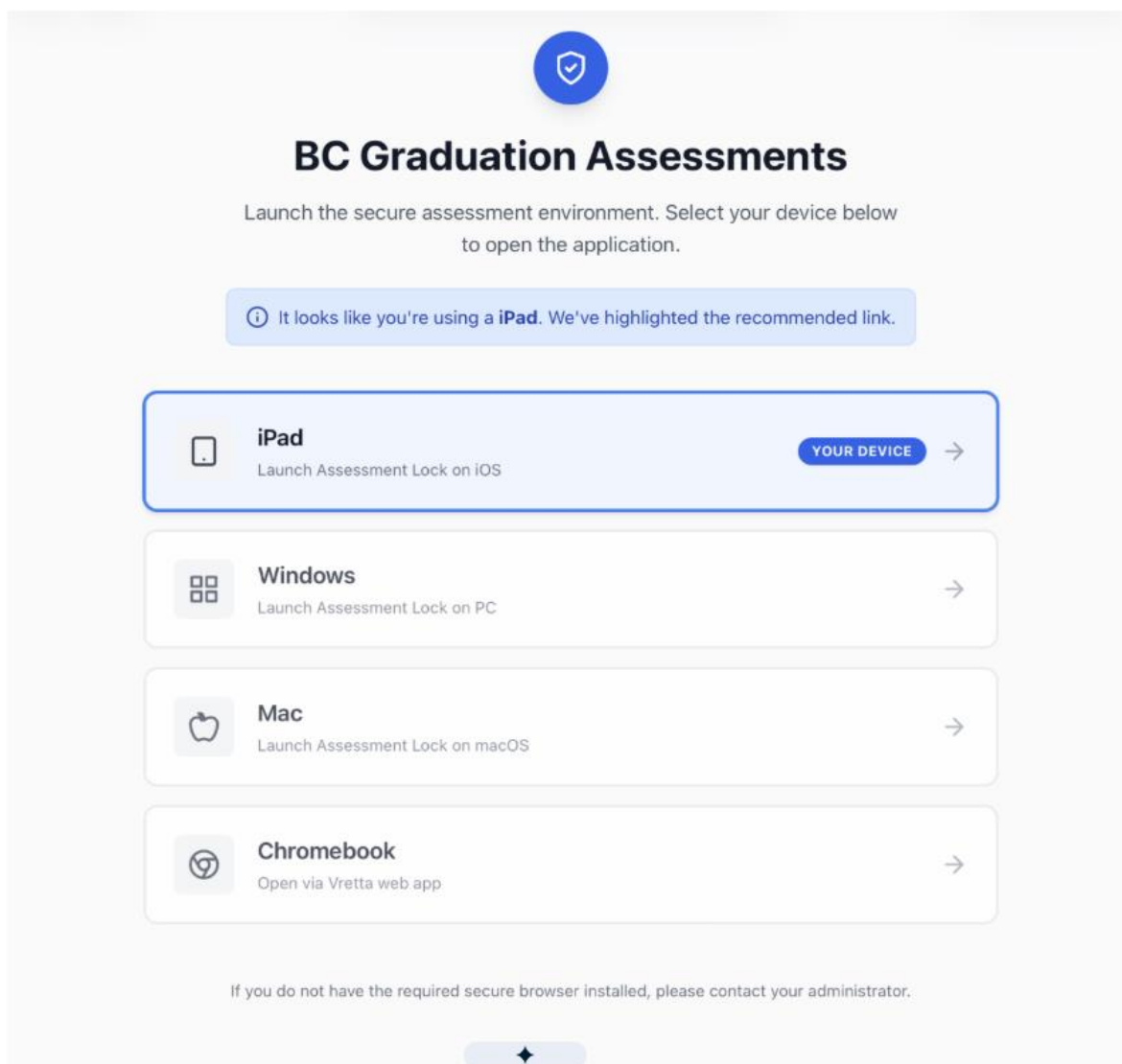
iPads

After the extension is installed, navigate to the following url:

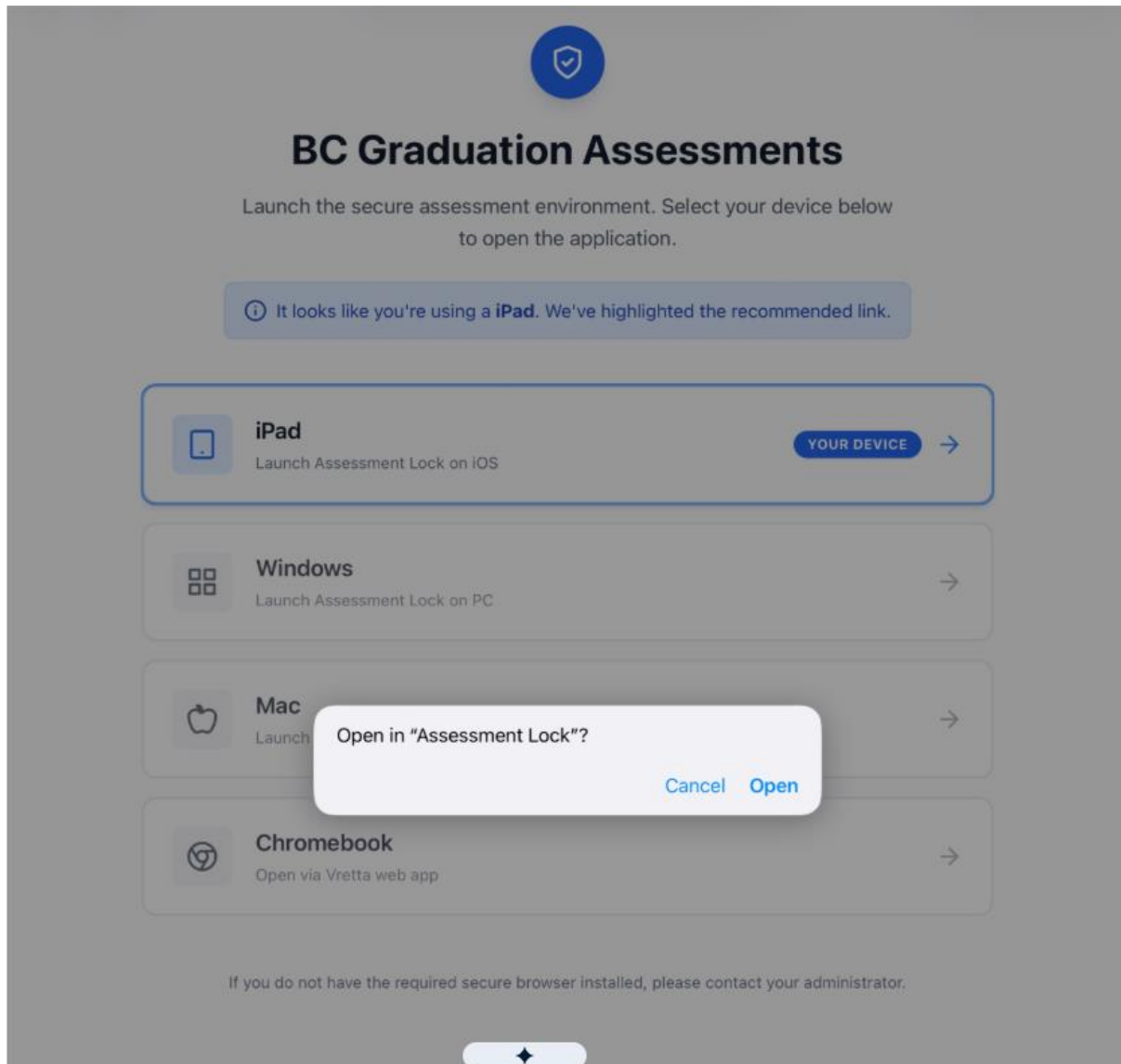
<https://bced.vretta.com/#/en/bced-landing/grad/secure>

Method 1: Launch Link

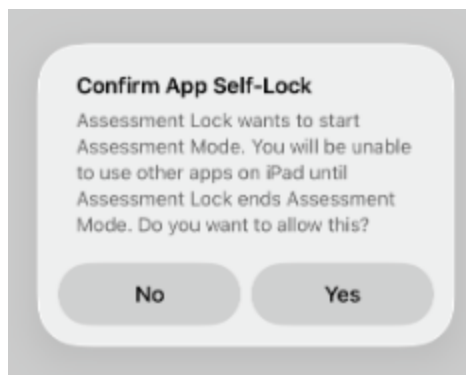
1. Navigate to <https://bced.vretta.com/assets/assessment-lock/index.html>. iPad will be automatically selected.



2. Click on **iPad** and click **Open** to launch Assessment Lock.



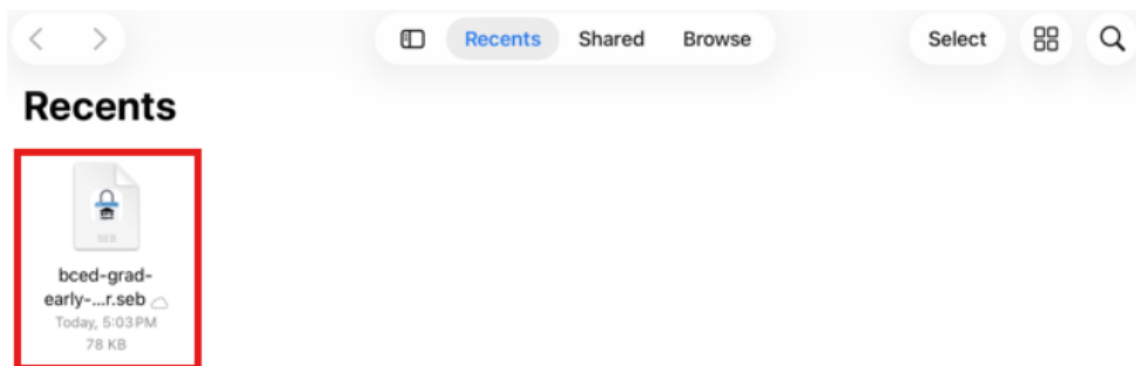
3. Once Assessment Lock is launched, **Confirm App Self-Lock** pop-up will be displayed. Click **Yes** to proceed to the assessment.



Method 2: Using a Configuration File

School admins and IT personnel can request a “.seb” configuration file from Vretta at bced-support@vretta.com.

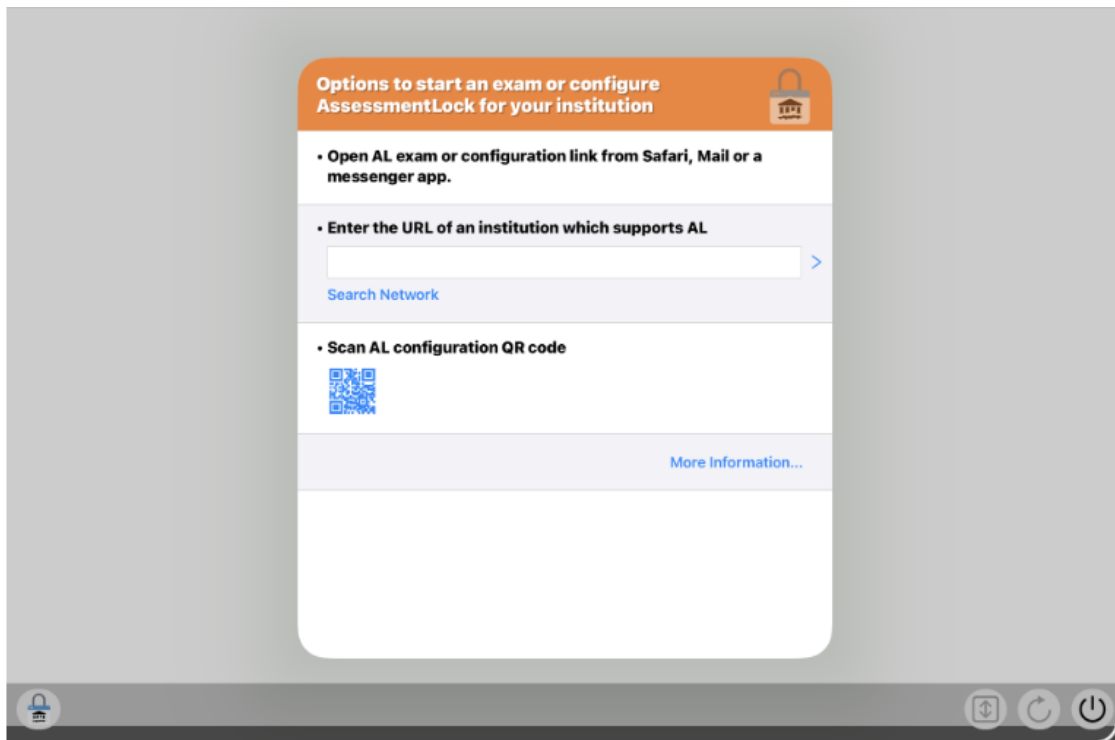
1. The configuration file needs to be saved or distributed to the iPads.
2. Students can launch Assessment Lock by clicking on the configuration file located in Files application.



3. Once Assessment Lock is launched, **Confirm App Self-Lock** pop-up will be displayed. Click **Yes** to proceed to the assessment.

Method 3: Using a QR Code

1. Open Assessment Lock by clicking on the icon.
2. Click on **Scan AL configuration QR code** and scan the code using the camera.
3. The assessment will automatically launch.



Section 5: Accommodations Students

Students who have documented accommodations (IEP or SLP) must use the **Secure Accommodations Login** to continue to access 3rd party accommodations software at: <https://bced.vretta.com/#/en/bced-landing/grad/acc-secure>