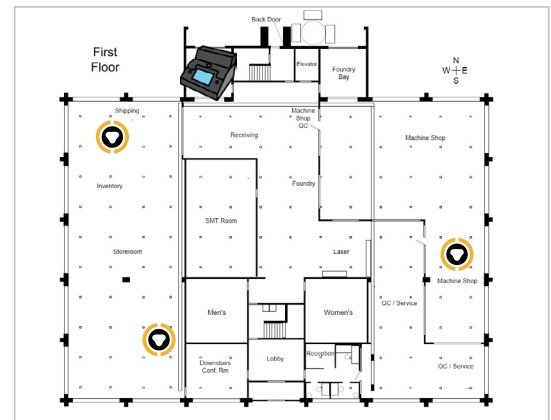
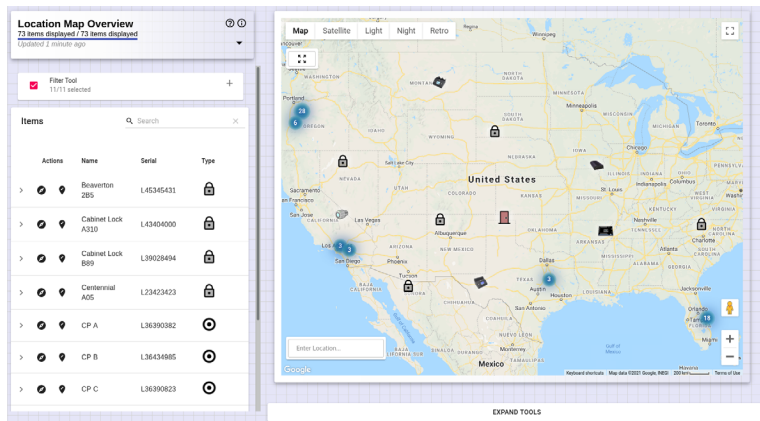


Overview

The Maps and Location Graphics module allows you to manage and visualize your CyberAudit-Web data with Google Maps. It also opens a visual interface tool that allows CyberLocks and Communicators to be graphically “placed” on drawings, pictures, or maps (JPEG or PNG). In particular, this module helps large and geographically spread-out CyberLock deployments improve tracking and locating of locks and communicators. Geographic coordinates enable exporting data to many GIS systems to create CyberLock system layers.



Benefits of Location Map

Visualize and display items on a map

- Bring CyberAudit-Web to life by augmenting data on a powerful geospatial map.
- Understand surrounding environments (e.g., available transportation, parking facilities, etc.).
- View item location distributions across the world as aggregated cluster counts.

Make better business decisions

- Gain insight and information from geospatial data to help your business succeed.

Improve transparency in employee engagement

- Using the Audit Trail tool, add an additional level of confidence by presenting a user's events as they occurred in a step-by-step timeline.
- Discover trends and patterns that can make workflows more effective.

Find relevant items easily

- Process and present information relevant to workflow with the powerful Filter Tool.

Improve onboarding and training

- Empower new users to learn and interact with the system efficiently.

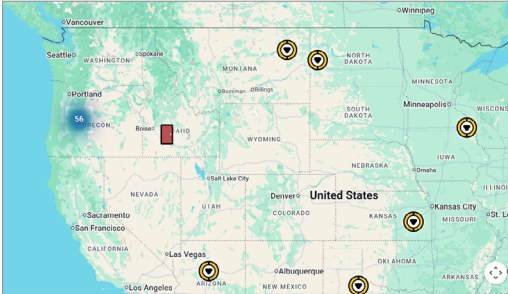
Capture and export geo-coordinates for Geographic Information Systems (GIS)

- Create a layer of locks, doors, and communicators for GIS and other mapping services.

Answer questions such as:

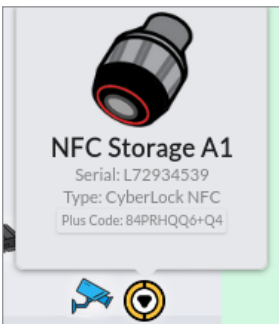
- Where is this item located?
- Are there any facilities nearby?
- What does the building look like?
- How do I get there?
- What other items are nearby?
- How are users interacting with the item?
- Where should new items be installed?

Map



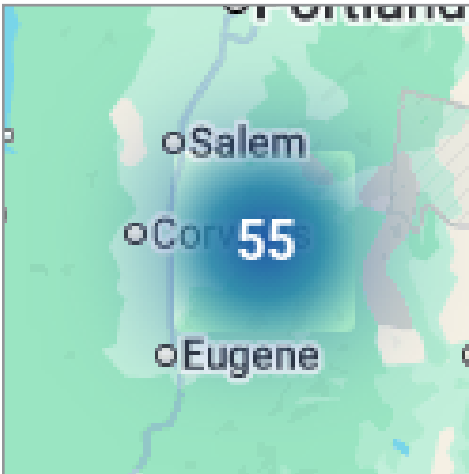
Map

Items visible to your account are rendered on this map. On the first page load, the application will dynamically calculate the needed viewport to display all items in the system.



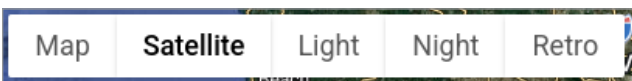
Markers

Items are displayed on the map with markers. Hover and interact with items by clicking on them. When clicking on an item, it will automatically be selected in the Items Table. Different item types have different icons.



Clusters

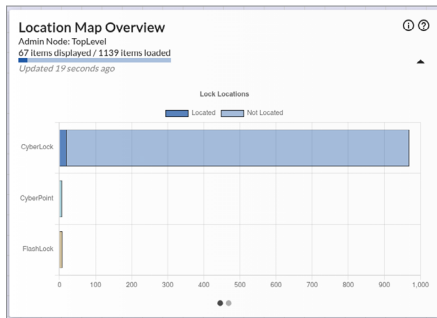
In order to improve performance, nearby items are merged into a single item for certain zoom levels. The number value in the middle of the cluster indicates the number of items being merged. As the zoom level is changed, clusters on the map will update accordingly.



Map Styles

The map style can be changed by clicking one of the options on the side.

History Page



Overview Tool

The Overview Tool displays data charts and information about how many items are displayed on the map and are in the system.

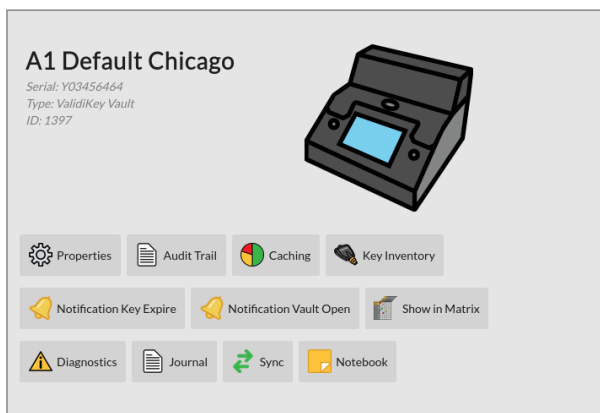
Data changes dynamically as filters are applied to the displayed items.

Display Panel

An item's display panel can be opened by clicking on the '>' icon or by clicking on the row. The Display Panel will have additional details for the item, including tags and the user-editable photo (if applicable).

Additionally, item actions are found here, such as 'Properties' and 'Audit Trail'. Item actions are different for every item type and some are only displayed if the user has permissions for that action.

Item actions will open up a popup window. In some cases, such as 'Properties' or 'Caching', the popup window will close automatically and the Location Map will refresh.

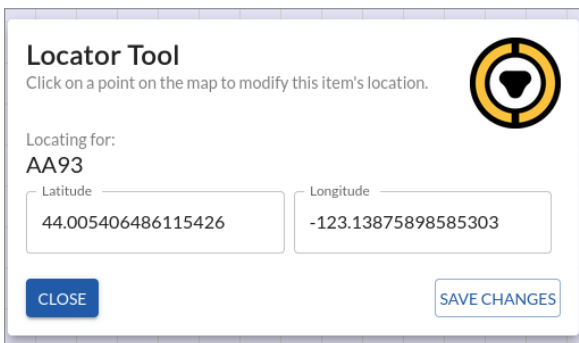


Locator Tool

The Locator Tool is used to modify an item's location. Open using the 'Edit Item' action in the Items Table.

The existing latitude and longitude values are displayed when it is first opened. If the item does not have a location, these values are set to 0.

By clicking a point on the map, the latitude and longitude input values are modified. Click 'Save Changes' and the item's location will be saved. The map will then automatically refresh.



Locator Tool
Click on a point on the map to modify this item's location.

Locating for:
AA93

Latitude: 44.005406486115426
Longitude: -123.13875898585303

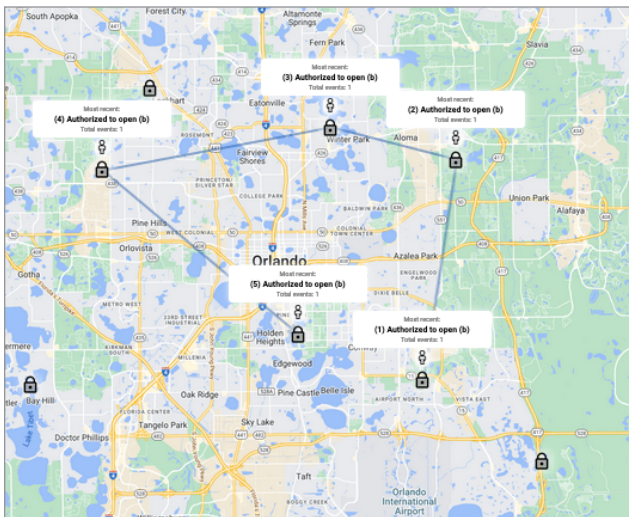
Buttons: CLOSE, SAVE CHANGES

Notifications

VIEW TAGS				
Expand	Name	ID	Access	Actions
>	Aalis Pixel	15		
>	Aarav Cunningham	1262		
>	Abbey McLaughlin	1276		
>	Abram Parrish	1200		
>	Abril Clarke	1236		

Access Table

The Access Table allows interaction with the map using data from people and people tags.



Audit Trail Tool

The Audit Trail Tool is used to review a given person's recorded events for a user-defined date span.

Selecting the 'Audit Recent Events' action on a person's row will open up the tool. Each event is displayed in a chronological timeline.

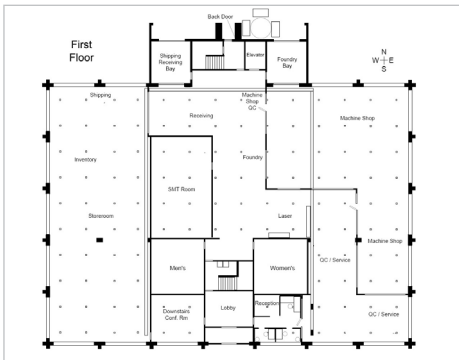
Selecting an event on the timeline will refocus and navigate the map to the event's associated item. Additional details about the event are also provided.

The date span and maximum number of events to retrieve can be configured in the Settings tool.

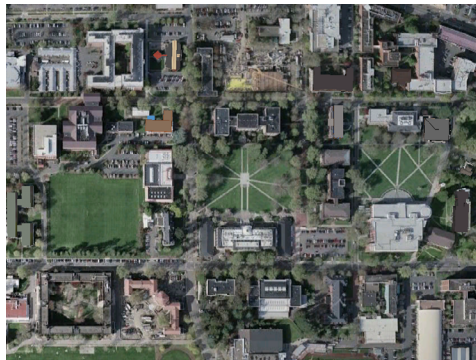
Location Graphic Images

Location graphics are images imported from .jpg or .png files and stored in CyberAudit-Web. CyberLocks and certain fixed Communicators may be selectively located on them to assist in locating and tracking them within a working CyberLock system. Each placed item may also be optionally given geographic coordinates as degrees of latitude and longitude.

This feature requires activation through a Software Enhancement Module (SEM).



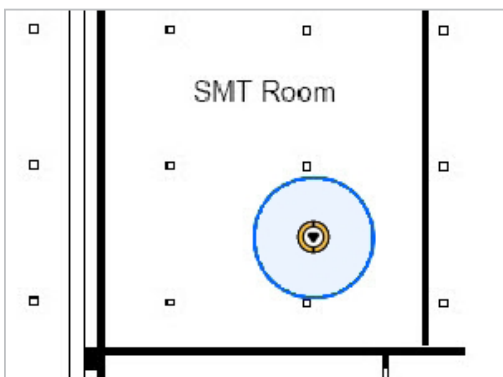
Examples of an image may be a line drawing of a floor plan...



...an aerial photo...



...or a picture of a vertical surface.



A cyberlock.png is used to place the CyberLock on the image. It may be placed and moved by simply clicking it and dragging it to the desired location within the graphic.

Graphics may be zoomed and panned to bring certain areas into view.