



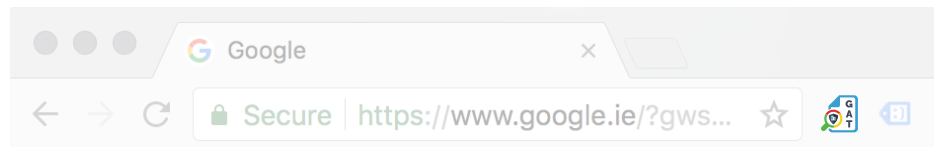
Protection for kids

Dear Parents and Guardians,

Your school use audit and security tools to provide oversight and protection for the children in the school. Two of these tools are called GAT+ and GAT Shield. These tools work together to help identify the student, the device they are working on and how and when they are using that device.

In the case of GAT Shield the school can deploy the service to show the parents and guardians an exact copy of the information they gather. This allows the parents and guardians to view the student's online activity, see what sites they are working on and much more.

If GAT Shield is available to parents it will appear as a color icon on the top right of every web page in the student's chrome browsing session.

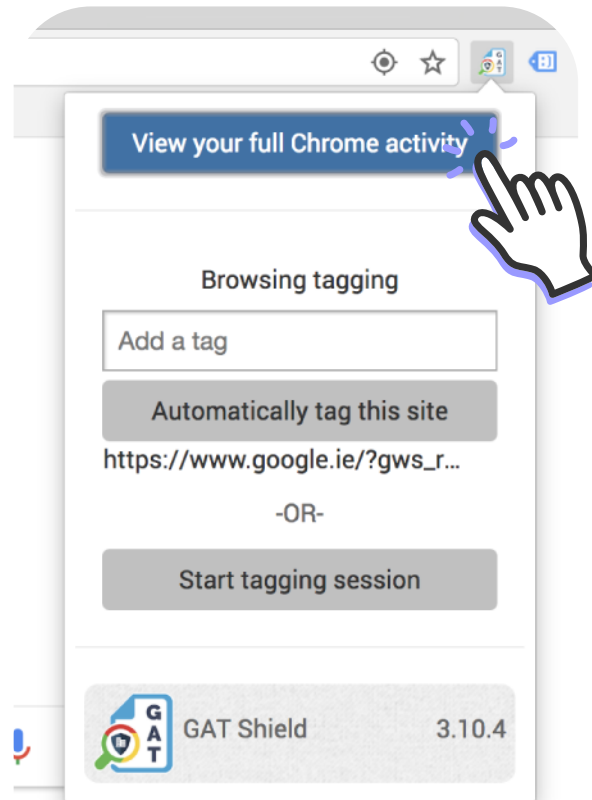


In the screenshot above we highlighted the GAT Shield logo

Clicking on the GAT Shield logo will allow parents to see the following information.:

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Entering GAT Shield



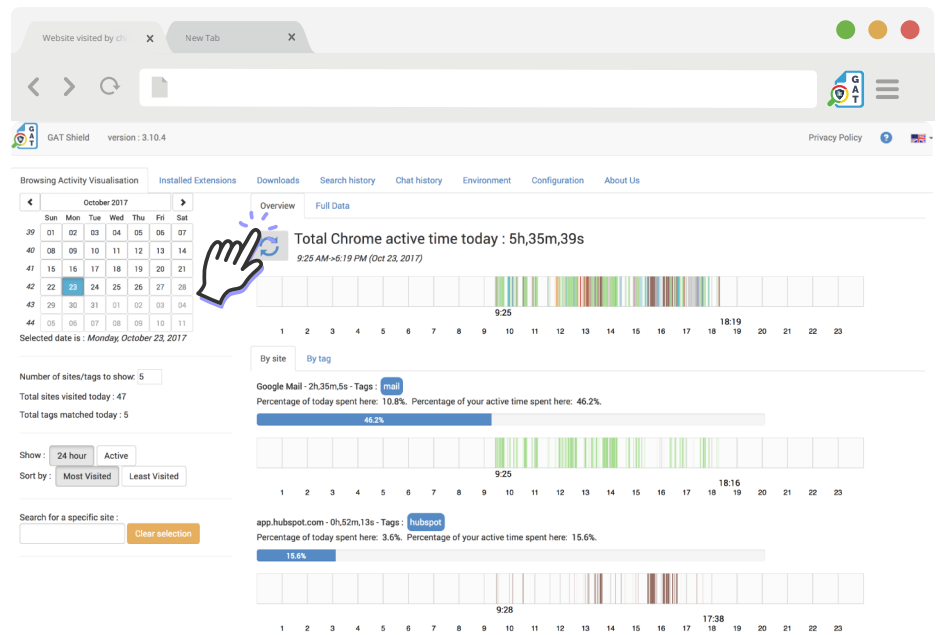
After you click on the small GAT Shield icon you can enter the full GAT Shield reporting environment by pressing the large blue button 'View your full Chrome activity'. This button takes you into the reporting section.

From here you can also start tagging a page. Tagging is a special feature of GAT Shield for end users. It lets them mark different, but related pages, with a similar tag. For example if a student is spending a lot of time on different science websites, he or she can tag each site as being 'Science'. Later in the reporting area of the tool the student, parent or guardian can search for the tag 'Science' and find all the Science sites tagged by the student and the time spent on them by the student.

None of the logs or reports can be altered by a student. All of the activity is recorded and reported here and back to the school. It can not be erased or interfered with by the student. The parent or guardian is seeing an accurate account of the students time online.



Browsing Activity



Browsing activity is broken into two sections, an 'Overview' based on time, showing the students exact timeline while online and 'Full Data' showing a Pie or 'Doughnut' chart of all the individual site visits gathered together.

Overview

In the Browsing Activity Overview page the parent or guardian will see, for any selected day, the timeline of the student's entire online activity. This is then broken down into a timeline for every single site visited, showing both when the visit occurred and the duration the visit.

The sites are ordered in order of total duration. Some sites may be tagged.

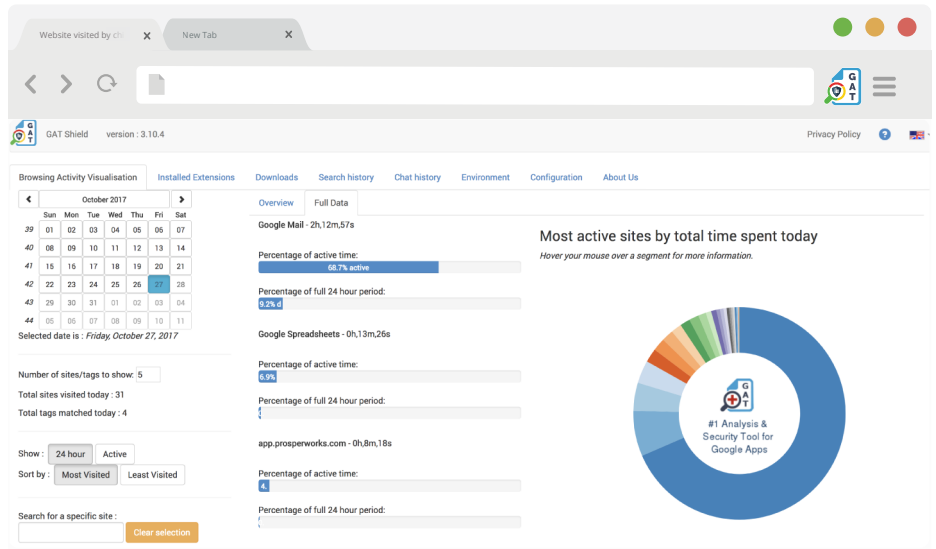
For example visits to email will have tags showing if some of those visits were to gmail.com and not just to the school email page.

Selecting 'By tag' will show the timeline for each of the tagged sites. GAT Shield will tag gmail sites automatically, student, parents or guardians can also tag other sites or collections of sites if they want to use this tracking feature.

By default the top 5 sites are shown, but you can extend this to the maximum number of sites visited. You can focus on the full 24 hour day or just when the student was active. You can also search for a site to see if it was visited. In the 'site' search you can also look for any tag you might have created, for example 'Science' and find all the sites you marked with that tag. You can also select any day in the last few months (the exact length of history depends on the storage available).

Finally moving the mouse over the timeline shows exactly the site visited and time under that part of the timeline.

Full Data



Under 'Full Data' you can see all of the site visits gathered into one single doughnut chart. The chart divisions reflect the time spent on each of the sites or site pages. It lets you quickly see where the bulk of the online time is spent. Move your mouse over any slice of the chart to see the detail in terms of site, time and percentage.

Installed Extensions

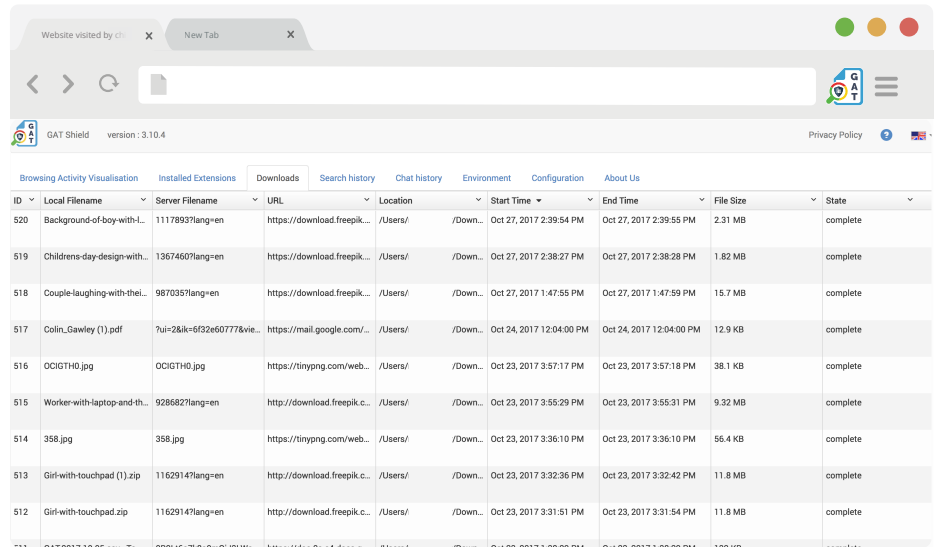
The screenshot shows the 'Installed Extensions' section of the GAT Shield interface. It displays a table of installed browser extensions. Extensions that require high permissions are highlighted in red.

Name	Version	Type	Enabled?	User can disable?	Install method	Origin	Access Requested	Permission score	ID
Slides	0.10	Legacy Packaged App	Yes	Yes	normal	Chrome Web Store	None	0	aapoccllogokmncckodpfrh...
Prophet	2.5.0.138	Extension	Yes	Yes	normal	Chrome Web Store	Medium	4	atlcckmdkfooooidkchoheab...
Docs	0.10	Legacy Packaged App	Yes	Yes	normal	Chrome Web Store	None	0	aohghmighielaenpegkijfio...
Google Drive	14.1	Hosted App	Yes	Yes	normal	Chrome Store	clipboardWrite, cookies, notifications, storage, tabs, webNavigation, webRequest, webRequestBlocking	6	apdflickaahabafndbhaehgjh...
Bitmoji	0.8.91	Extension	Yes	Yes	normal	http://clients2.google.com/service/update2/crx	None	6	bfgdeiadckfbkeigkoncpdief...
YouTube	4.2.8	Hosted App	Yes	Yes	normal	Other	None	0	blpcfgoakmgkcojhktrfbdka...
GAT Shield Personal	2.8.5	Extension	Yes	Yes	normal	Chrome Web Store	High	22	bmolaacbagmpdfgaomcfrgo...
Shield Verifier	0.9.5	Extension	Yes	No	admin	Chrome Store	alarms, contextMenus, cookies, notifications, storage, tabs, webNavigation	3	ceildpeltjfdnphkmhpebidki...
HubSpot Social	1.0.9	Extension	Yes	Yes	normal	Chrome Web Store	Medium	3	edkibgpolghnjalcfdpmbjmdgo...

Chrome allows extensions from third parties to be installed on the browser.

Some of these can ask for a lot of access (GAT Shield requires a lot of permissions to run correctly). GAT Shield details all these extension as well as the permissions they request. Those that ask for a lot of access are highlighted in red. Normally parents and guardians do not have to worry about these extensions as they are tightly controlled by the school, however this part of the tool allows you to see what else is running in the browser.

Downloads

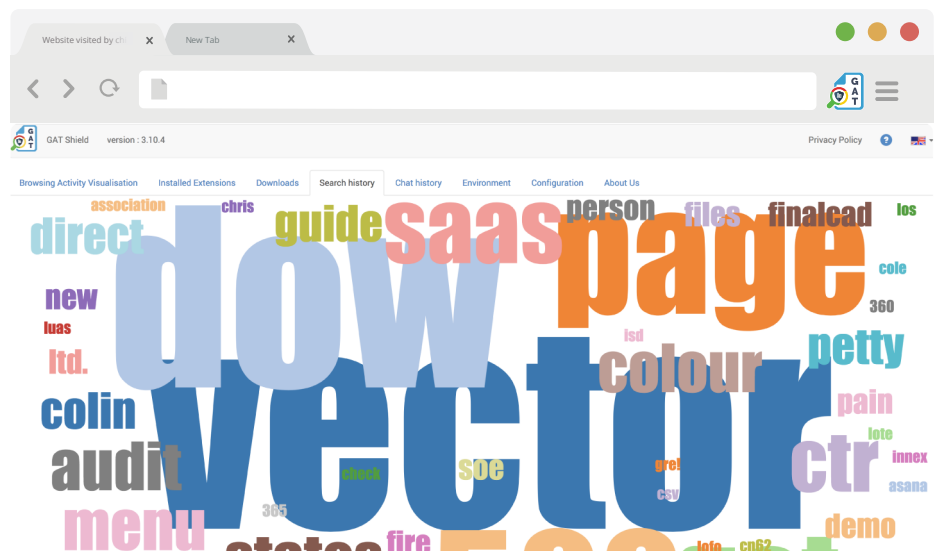


ID	Local Filename	Server Filename	URL	Location	Start Time	End Time	File Size	State	
520	Background-of-boy-with-L...	1117893?lang=en	https://download.freepik...	/Users/	/Down...	Oct 27, 2017 2:39:54 PM	Oct 27, 2017 2:39:55 PM	2.31 MB	complete
519	Childrens-day-design-with...	1367460?lang=en	https://download.freepik...	/Users/	/Down...	Oct 27, 2017 2:38:27 PM	Oct 27, 2017 2:38:28 PM	1.82 MB	complete
518	Couple-laughing-with-thei...	987035?lang=en	https://download.freepik...	/Users/	/Down...	Oct 27, 2017 1:47:55 PM	Oct 27, 2017 1:47:59 PM	15.7 MB	complete
517	Colin_Gawley (1).pdf	?ui=2&ik=6f32e60777&vie...	https://mail.google.com/...	/Users/	/Down...	Oct 24, 2017 12:04:00 PM	Oct 24, 2017 12:04:00 PM	12.9 KB	complete
516	OCIGTH0.jpg	OCIGTH0.jpg	https://tinyimg.com/web...	/Users/	/Down...	Oct 23, 2017 3:57:17 PM	Oct 23, 2017 3:57:18 PM	38.1 KB	complete
515	Worker-with-laptop-and-th...	928682?lang=en	http://download.freepik.c...	/Users/	/Down...	Oct 23, 2017 3:55:29 PM	Oct 23, 2017 3:55:31 PM	9.32 MB	complete
514	358.jpg	358.jpg	https://tinyimg.com/web...	/Users/	/Down...	Oct 23, 2017 3:36:10 PM	Oct 23, 2017 3:36:10 PM	56.4 KB	complete
513	Girl-with-touchpad (1).zip	1162914?lang=en	http://download.freepik.c...	/Users/	/Down...	Oct 23, 2017 3:32:36 PM	Oct 23, 2017 3:32:42 PM	11.8 MB	complete
512	Girl-with-touchpad.zip	1162914?lang=en	http://download.freepik.c...	/Users/	/Down...	Oct 23, 2017 3:31:51 PM	Oct 23, 2017 3:31:54 PM	11.8 MB	complete

Chrome allows users to download files to local storage. These files can either come from the school G Suite environment or from external web sites.

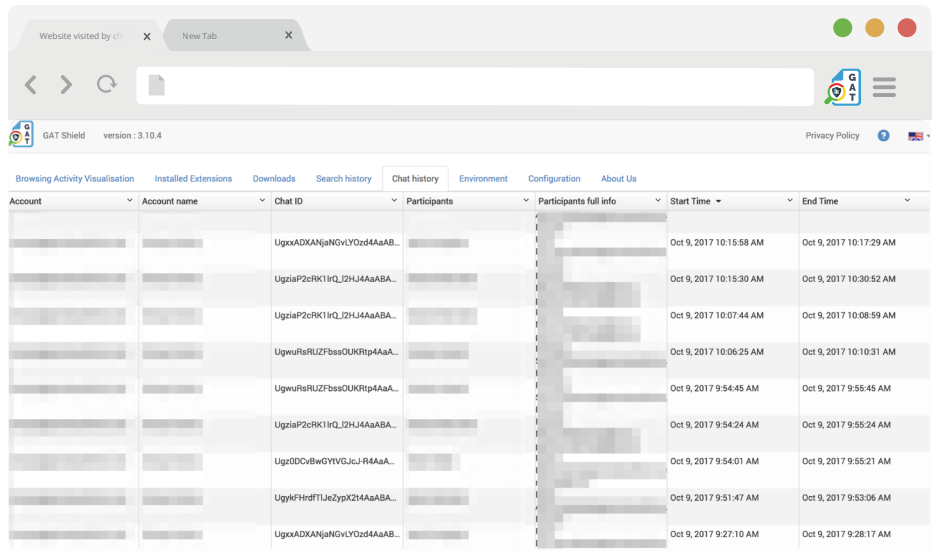
No matter where they come from, GAT Shield tracks these downloads and reports them. You can see the original file name and the new local name, the server where the file came from and where it was stored, the date, time and size of the download is also recorded. Parents and Guardians can use this feature in GAT shield to see what students are downloading and if it is appropriate.

Search History



The larger the word in the cloud, the more that word was searched for. On the timeline you can also see the search string along with the date and time of the search as well as the page where the search was launched from.

Chat History

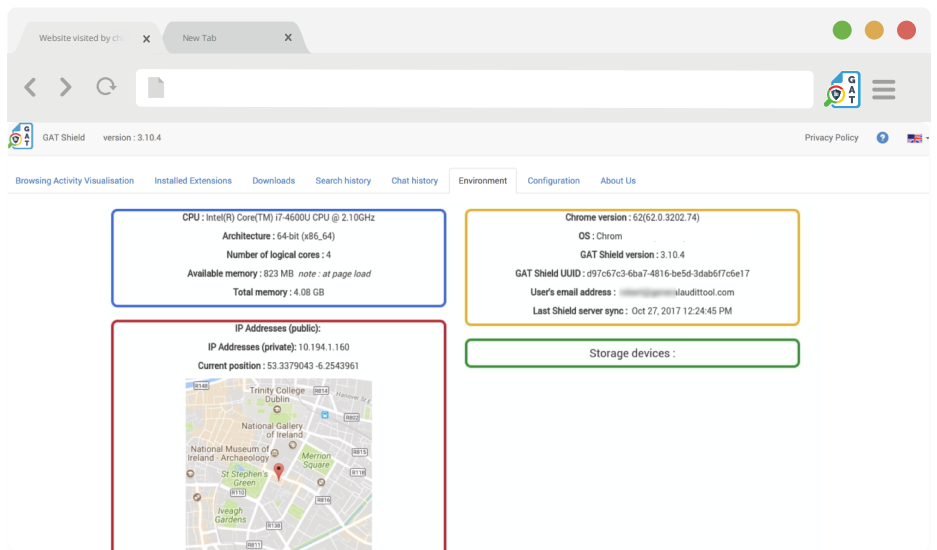


Account	Account name	Chat ID	Participants	Participants full info	Start Time	End Time
		UgxxADxANjaNGvLYz44AaAB...			Oct 9, 2017 10:15:58 AM	Oct 9, 2017 10:17:29 AM
		UgziaP2cRK1rQ_ZHJ4AaABA...			Oct 9, 2017 10:15:30 AM	Oct 9, 2017 10:30:52 AM
		UgziaP2cRK1rQ_ZHJ4AaABA...			Oct 9, 2017 10:07:44 AM	Oct 9, 2017 10:08:59 AM
		UgwuRsRUZFbssOUKRip4AaA...			Oct 9, 2017 10:06:25 AM	Oct 9, 2017 10:10:31 AM
		UgwuRsRUZFbssOUKRip4AaA...			Oct 9, 2017 9:54:45 AM	Oct 9, 2017 9:55:45 AM
		UgziaP2cRK1rQ_ZHJ4AaABA...			Oct 9, 2017 9:54:24 AM	Oct 9, 2017 9:55:24 AM
		Ugx0DCvBwGYVVGJcJ-F4AaA...			Oct 9, 2017 9:54:01 AM	Oct 9, 2017 9:55:21 AM
		UgkFHRdfTJJeZypX24AaABA...			Oct 9, 2017 9:51:47 AM	Oct 9, 2017 9:53:06 AM
		UgxxADxANjaNGvLYz44AaAB...			Oct 9, 2017 9:27:10 AM	Oct 9, 2017 9:28:17 AM

Under 'Chat History' it is possible to see all the Google 'chats' that the user has had online.

For privacy reasons the chat contents are not recorded, however all the participants are visible, along with the time, the chat ID and other details.

Environment



CPU: Intel(R) Core(TM) i7-4600U CPU @ 2.10GHz
Architecture: 64-bit (x86_64)
Number of logical cores: 4
Available memory: 823 MB *note: at page load*
Total memory: 4.08 GB

Chrome version: 62(62.0.3202.74)
OS: Chrom
GAT Shield version: 3.10.4
GAT Shield UUID: d97c67c3-6ba7-4816-be5d-3dab6f7c5e17
User's email address: [redacted]@auditool.com
Last Shield server sync: Oct 27, 2017 12:24:45 PM

IP Addresses (public):
IP Addresses (private): 10.194.1.160
Current position: 53.3379043 -6.2543961

Storage devices:

The Environment tab also includes a map showing the current location, which is near Trinity College Dublin, National Gallery of Ireland, and National Museum of Ireland - Archaeology.

Environment shows you where Google thinks you are located along with details of the device you are running on. This shows you key technical details the outside world can potentially find out about your environment.

Configuration

The screenshot shows the GAT Shield Configuration interface. At the top, there's a navigation bar with links: Browsing Activity Visualisation, Installed Extensions, Downloads, Search History, Chat history, Environment, Configuration (selected), and About Us. Below this is the 'Special Cases' section, which includes a table with columns: Name, Domain, Page, and Origin. The table lists various Google services and their corresponding domains and page names. Below the table is the 'Tagging Mappings' section, which has input fields for 'Domain' and 'Page'.

Name	Domain	Page	Origin
Google Admin Console	admin.google.com		server
GoTo Meeting	spp.gotomeeting.com		server
New Tab	chrome:	/newtab/	server
Spreadsheet	docs.google.com	spreadsheets/d/19oLdY9QYRV2iWwzx...	server
Google Slides	docs.google.com	presentation	server
Google Spreadsheets	docs.google.com	spreadsheets	server
Google Docs	docs.google.com	document	server
Google Drawings	docs.google.com	drawings	server
Google Drive	drive.google.com		server
Google Hangout	hangouts.google.com		server
Google Mail	mail.google.com		server
Google+	plus.google.com		server

GAT Shield allows both Admins and Users to create page names or page tags.

Page names can be used to give a simple descriptive name to any page or sub-page. For example you can track all the time spent in spreadsheets by giving the name 'Google Spreadsheets' to the page <https://docs.google.com/spreadsheets>.

You can also name a particular spreadsheet by giving its full path name, right down to the spreadsheet file id, this will allow you to track time spent just on this sheet.

GAT also supports the idea of page 'Tags'. A tag is something that can be given to a collection of sites. For example you can tag npr.org and cnn.com as 'news', then under the first tab 'Browsing Activity', when you search for news, you will find all time you spent on the news sites CNN and NPR.