# Chrome Extension Specifications v0.3

## Introduction

From the originally contracted work, the following changes have been made to the extension:

* The submitted JSON data format has been simplified and flattened for less payload, easier processing and better readability. New field “site\_uuid” added for better site tracking on the consuming end of the API.
* The approved-sites API endpoint now delivers more information on actions for each web site to be collected. This will allow the admin end-user to select what activities they want collected from each site. For all actions, the site\_uuid tied on the backend which the admin end-user has approved. The “url\_pattern” is the RegEx string for each sites to extract from. This all comes from the backend, but for your awareness.
* When bg.js is called and gets the approved-site list, it calls attachExtractor for each approved-site, passing it data via \_actionType with the approved-site JSON to extractor.js.
* Changed some of the variable names for readability on my end.
* New API endpoint and web site:
  + <https://lt-dev01.learntaculo.us>
  + <https://lt-dev01.learntaculo.us/api/v1/approved-sites-new>
  + **Login:** demouser and **Password:** ly6f!XDbiHN8%7h1

## Tasks

* Code review request: please look at the way I’m passing the approved-site JSON to each extractor. Does this look appropriate way to do it? If there is a better way, more in line with other Chrome Extensions, please refactor given your expertise (related to task below).
* Improvement: Please use the new approved-site API end point at https://lt-dev01.learntaculo.us/api/v1/approved-sites-new. Notice each site has a list of approved actions associated. Please update the plug-in to handle this new structure including storing the data in local storage to be cached for future lookup. Please modify the method to attachExtractor to handle the new data structure.
* New feature request: Instead of creating a new account and logging in to the extension, we’ll feature that on the web site itself. See “Screen Mock Ups” section for the two states of the extension pop-up screen when clicking on the icon.
  + Clicking login will open the URL of “https://lt-dev01.learntaculo.us/?src=ext”. The “src=ext” parameter tells the web site to create a cookie with the API key for the extension.
  + When the user has been created, a session cookie called “api\_key” will be created. In the value, you will get back “api-key.user\_id.first\_name” as a value, for example:
    - 84acd607-0f88-4e46-a911-e9ec10c60f5c.4.Jason
  + Please poll for this cookie return, parse this and store in local storage to be used through the rest of the extension.
  + If the user licks “Logout” in the extension, delete this data.
  + EditThisCookie is very helpful in viewing cookie values: <https://chrome.google.com/webstore/detail/editthiscookie/fngmhnnpilhplaeedifhccceomclgfbg>
* New feature: The icon bullet for the extension will now have three states:
  + Off – when the user is not logged in
  + On – when the user is logged in
  + Active – when an approved site has been activated and loaded in the active tab
* Fix: when /api/v1/approved-sites endpoint isn’t available, the plug-in will continually ping the endpoint until it reads valid JSON (tens of requests per minute). Please change logic to:
  + Only read the approved-sites endpoint if the user is logged in.
  + If the approved-site list doesn’t return 200 or valid data, please wait 120 seconds before trying again.
* Improvement: On installation, please launch page: https://lt-dev01.learntaculo.us/welcome-install. Do not launch this page after the initial installation. If user is not logged in during next install, they will see the gray (off) icon and use the procedure above.
* Improvement: In testing, we are noticing page view times may be inaccurately reported as long. Can you look at detecting an active user session to improve page view time? Articles which may be helpful in finding active user time are:
  + <http://stackoverflow.com/questions/1060008/is-there-a-way-to-detect-if-a-browser-window-is-not-currently-active>
  + <http://stackoverflow.com/questions/1009260/how-can-i-detect-with-javascript-jquery-if-the-user-is-currently-active-on-the-p>
* New feature: When the user is logged in, create a link on the extension icon pop-up screen that reads “Approved Site List”.
  + When the user clicks on this link, the extension will open a new local page displaying results from the approved-sites JSON such as:

**Learntaculous**

**Approved Site List**

SlashDot

TechCrunch

Gizmodo

NPR

New York Times

Ars Technica

[Close Page]

## Screen Mock Ups

Logged In:

Learntaculous

Logged In: Demo [Logout]

Approved Sites List

More Information and Privacy Policy

Logged Out:

Learntaculous

Log In

More Information and Privacy Policy