Hungry Chrome

Hacking The Browser by Cory Forsyth

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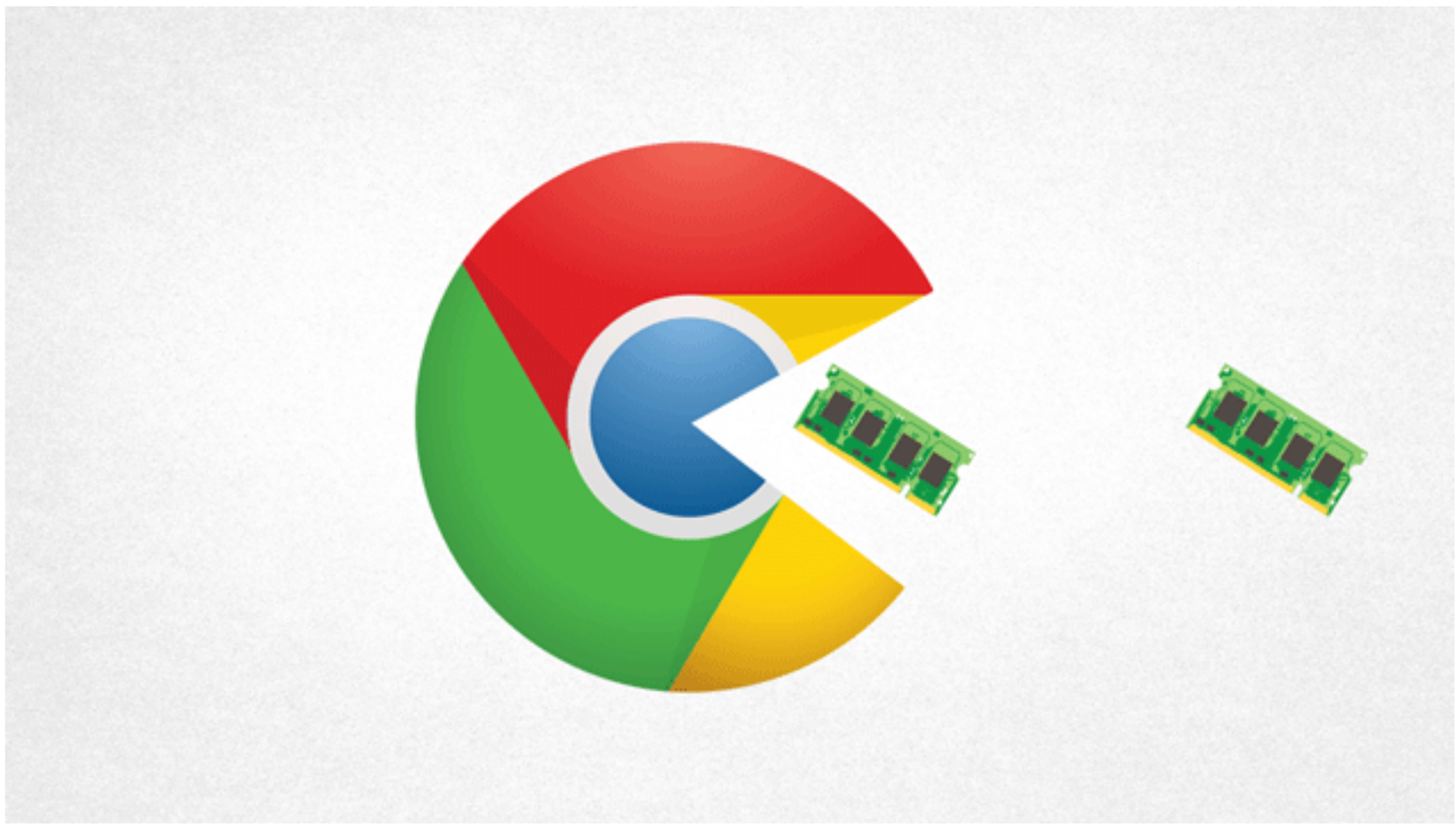
Why Does Chrome Use So Much RAM?
Is Chrome's RAM-hungry reputation is well deserved?

We can refer to **Google Chrome Task Manager:**

The Google Chrome browser has a built-in Task Manager for users to see how much memory and CPU web pages, extensions, and Google processes are using while Chrome is running.
This feature is very useful if:
- *Chrome has become slow*
- *is using too much memory*
- *or freezes a lot*

Could we get the system resources consumed per browser tab?
Is there programmatic access to Task Manager data / chrome.processes API?

Wondering why your browsing experience got interrupted? Let’s make action!



Now you can monitor Chrome's CPU and memory usage, identify and kill expensive processes.

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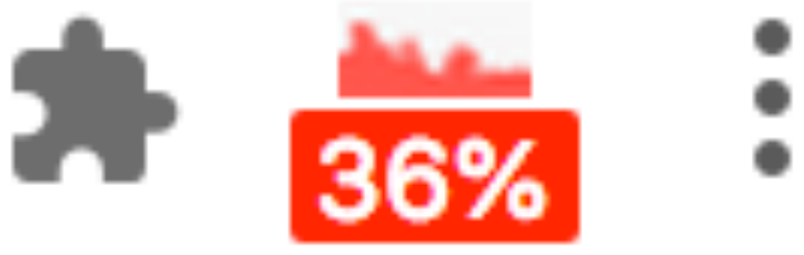
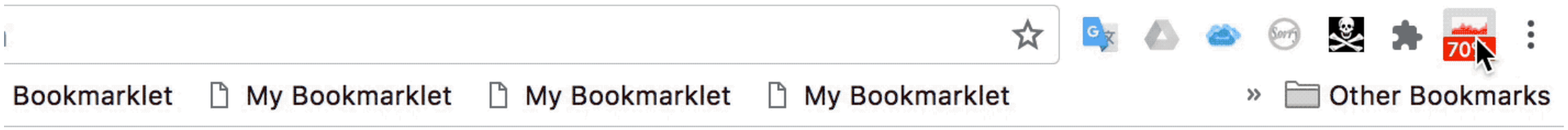
extension makes it easy to identify which tabs or processes are misbehaving, and terminate them to make your life bright again!

Deliverables



Current CPU usage and animated graph are in a always available in a small icon in your address bar. You can easily detect when something goes wrong with your memory.

A detailed popup with list of all processes sorted by CPU or memory usage, historic CPU graphs, and actions to reload or shut down misbehaving processes:



of text that is layered over the icon. Badges make it easy to update the

n about the state of the extension.

haracters or less.

n.setBadgeText and **browserAction.setBadgeBackgroundColor**,

en the user clicks the icon. The popup can contain any HTML contents that

. file with the popup's contents. Specify the HTML file in the **default_popup**

wserAction.setPopup method.

Installation

- Go to chrome://flags and enable Experimental Extension APIs
- Relaunch Chrome
- Download the repo and unzip.
- Go to chrome://extensions
- Ensure the "Developer mode" is ticked, and click "Load unpacked”
- Select the folder you've just unzipped
- And that’s it! Now you can detect hungry tabs and extensions in your Chrome!

Further steps:

- Javascript memory allocated
- Javascript memory used
- Add actions: reload, close the tab, i.e chrome.tabs.reload
- Once chrome.processes API will make it into the Release channel, upload to Chrome Web store