chrome.devtools.network

Description:	Use the `chrome.devtools.network` API to retrieve the information about network requests displayed by the Developer Tools in the Network panel.
Availability:	Since Chrome 31.

See **DevTools APIs summary** for general introduction to using Developer Tools APIs.

Overview

Network requests information is represented in the HTTP Archive format (*HAR*). The description of HAR is outside of scope of this document, please refer to **HAR v1.2 Specification**.

In terms of HAR, the `chrome.devtools.network.getHAR()` method returns entire *HAR log*, while `chrome.devtools.network.onRequestFinished` event provides *HAR entry* as an argument to the event callback.

Note that request content is not provided as part of HAR for efficieny reasons. You may call request's `getContent()` method to retrieve content.

If the Developer Tools window is opened after the page is loaded, some requests may be missing in the array of entries returned by `getHAR()`. Reload the page to get all requests. In general, the list of requests returned by `getHAR()` should match that displayed in the Network panel.

Examples

The following code logs URLs of all images larger than 40KB as they are loaded:

```
chrome.devtools.network.onRequestFinished.addListener(
    function(request) {
      if (request.response.bodySize > 40*1024) {
        chrome.devtools.inspectedWindow.eval(
            'console.log("Large image: " + unescape("' +
            escape(request.request.url) + '"))');
      }
});
```

You can find more examples that use this API in **Samples**.

Summary

Types
Request
Methods

getHAR – chrome.devtools.network.getHAR(function callback)
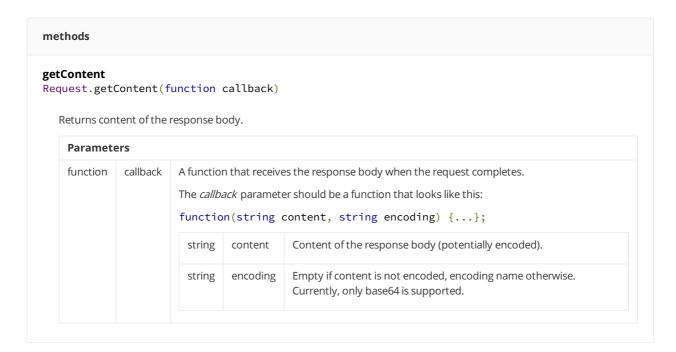
Events

onRequestFinished

onNavigated

Types

Request

Represents a network request for a document resource (script, image and so on). See HAR Specification for reference.

methods

getContent
Request.getContent(function callback)

Returns content of the response body.

Parameters		
function	callback	A function that receives the response body when the request completes.
		The *callback* parameter should be a function that looks like this:
		`function(string content, string encoding) {...};`
		<table><tr><td>string</td><td>content</td><td>Content of the response body (potentially encoded).</td></tr><tr><td>string</td><td>encoding</td><td>Empty if content is not encoded, encoding name otherwise. Currently, only base64 is supported.</td></tr></table>

Methods

getHAR

chrome.devtools.network.getHAR(function callback)

Returns HAR log that contains all known network requests.
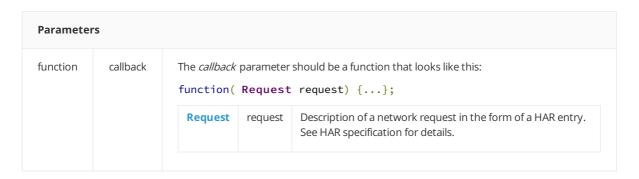
Parameters		
function	callback	A function that receives the HAR log when the request completes.
		The *callback* parameter should be a function that looks like this:
		`function(object harLog) {...};`
		<table><tr><td>object</td><td>harLog</td><td>A HAR log. See HAR specification for details.</td></tr></table>

Events

onRequestFinished

Fired when a network request is finished and all request data are available.

addListener

chrome.devtools.network.onRequestFinished.addListener(function callback)

Parameters		
function	callback	The *callback* parameter should be a function that looks like this: function(**Request** request) {...}; | **Request**	request	Description of a network request in the form of a HAR entry. See HAR specification for details.	

onNavigated

Fired when the inspected window navigates to a new page.

addListener

chrome.devtools.network.onNavigated.addListener(function callback)

Parameters		
function	callback	The *callback* parameter should be a function that looks like this: function(string url) {...}; | string	url	URL of the new page.	