

# Remote URL or Local file

URL:

Yeni Metin Belgesi.txt

75 bytes text/plain

## Sample code

```
function shaFromBuffer(buf) { //ArrayBuffer or ArrayBufferView
  crypto.subtle.digest(algorithm, buf)
    .then(b => disp1(bufferToHex(b)))
    .catch(console.error)
}

function shaFromFile(f) { //File or Blob

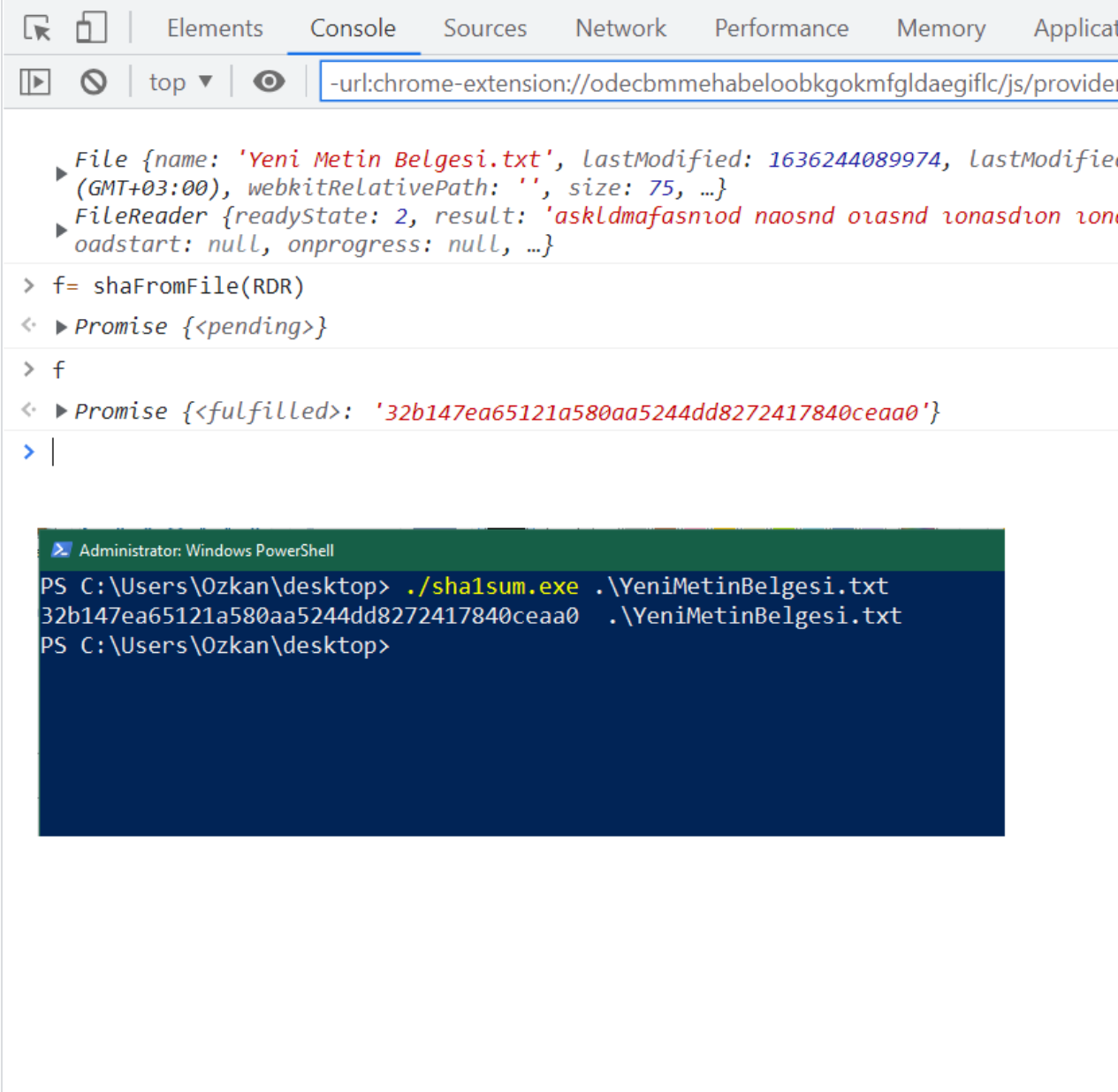
  return subtle.digest('SHA-1', new TextEncoder()
    .encode(f.arrayBuffer))

    .then(x => [...new Uint8Array(x)].map(toHex).join(''))
}

function shaFromURL(u) { //URL or string
  return fetch(u).then(s =>
    subtle.digest('SHA-1', new TextEncoder()
      .encode(s.name).then(x =>
        [...new Uint8Array(x)].map(toHex).join(''))))
}

function bufferToHex(buf) {
  return [...new Uint8Array(buf)].map(toHex).join('')
}
```

Ref: [Reading files](#)



The image shows a web browser's developer console with the 'Console' tab selected. The address bar shows a URL starting with '-url:chrome-extension://'. The console log displays a JSON object for a file named 'Yeni Metin Belgesi.txt' with a size of 75 bytes. Below this, there are two lines of JavaScript code: 'f= shaFromFile(RDR)' and 'Promise {<pending>}'. The second line of code is expanded, showing a 'Promise {<fulfilled>}' with a hexadecimal hash value: '32b147ea65121a580aa5244dd8272417840ceaa0'. Below the console, there is a screenshot of a Windows PowerShell terminal window. The terminal shows the command './sha1sum.exe .\YeniMetinBelgesi.txt' being executed, which outputs the same hexadecimal hash: '32b147ea65121a580aa5244dd8272417840ceaa0 .\YeniMetinBelgesi.txt'.

Elements Console Sources Network Performance Memory Applicat

top -url:chrome-extension://odecbmmehabeloobkgokmfgldaegiflc/js/provider

File {name: 'Yeni Metin Belgesi.txt', lastModified: 1636244089974, lastModified: (GMT+03:00), webkitRelativePath: '', size: 75, ...}

FileReader {readyState: 2, result: 'askldmafasniod naosnd oiasnd ionasdnion ionasdnion oadstart: null, onprogress: null, ...}

> f= shaFromFile(RDR)

< ▶ Promise {<pending>}

> f

< ▶ Promise {<fulfilled>: '32b147ea65121a580aa5244dd8272417840ceaa0'}

> |

Administrator: Windows PowerShell

PS C:\Users\Ozkan\desktop> ./sha1sum.exe .\YeniMetinBelgesi.txt

32b147ea65121a580aa5244dd8272417840ceaa0 .\YeniMetinBelgesi.txt

PS C:\Users\Ozkan\desktop>