

New issue

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[Security] XSS in HelpModal leading to RCE via imported malicious data file #338

○ Closed magicOz opened this issue on Jun 21, 2020 · 4 comments · Fixed by #560

Labels bug fixed-vnext

magicOz commented on Jun 21, 2020

targetId

The help text-modal utilizes the React component attribute dangerouslySetInnerHTML when rendering the Info, Abuse Info, etc. texts. E.g.

This makes the application vulnerable to XSS unless the input parameters are properly sanitized/encoded.

It turns out that the parameter targetId (objectid) isn't encoded, and is reflected in multiple Abuse Info-texts - making the application vulnerable.

BloodHound/src/components/Modals/HelpModal.jsx
Line 57 in 338e197

57 settargetId(target.objectid);

Since Bloodhound is built using Electron, it is possible to spawn child processes from an XSS vector - leading to a RCE vulnerability.

By getting the victim to import a malicious data graph file and clicking Help on an edge connected to a malicious node, the XSS payload will trigger.

To mitigate this, encoding objectid the same way the node labels are encoded should do the trick.

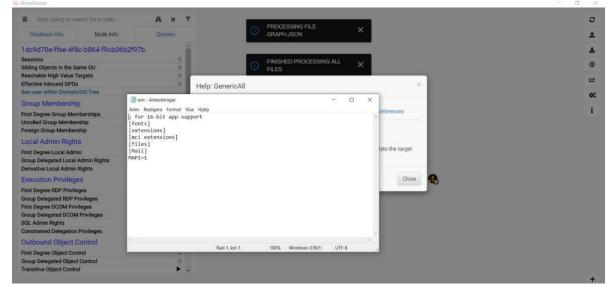
PoC (Windows):

36

37 )}

I've attached a zip, graph.zip, containing a malicious file, graph.json . (You may need to unzip and manually import the JSON-file).

- 1. Import the file  ${\tt graph.json}$  into BloodHound.
- 2. Click  $\mathbf{Help}$  on the edge between NODE1@DOMAIN.COM and MALICIOUS@DOMAIN.COM
- 3. This should pop  $\ \ \, \text{notepad.exe} \ \ \, \text{C:/windows/win.ini}$



magicOz changed the title XSS in HelpModal leading to RCE via imported malicious data file [Security] XSS in HelpModal leading to RCE via imported malicious data file on Jun 30, 2020

OS-WS commented on Feb 21, 2021

Hi, is there any fix for this security issue?
If so, in what commit?

Thanks!

HHAC commented on Jul 19, 2021

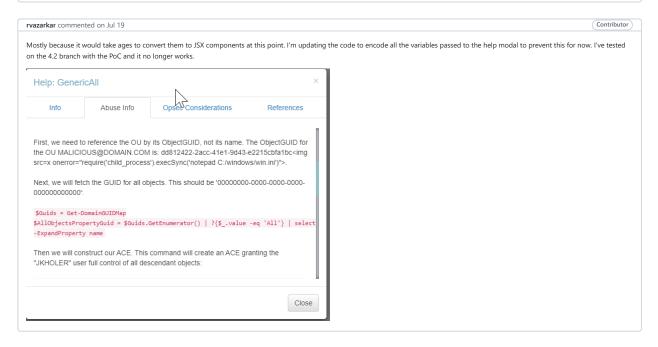
Following up on the previous question. Had this issue been resolved? If so what commit should I be looking at?

Thank you!



ghost commented on Jul 19

Is there a specific reason why the help texts for example in Abuse.jsx are templated strings, not JSX components?



Ç₫ **@ ghost** mentioned this issue on Jul 26

Fix XSS by rewriting help text modals as JSX components #560

**№** Merged

vazarkar added the fixed-vnext label on Aug 1

rvazarkar closed this as completed in e1845c0 on Aug 3



4 participants

