New issue

vulnerability that editor user can change admin user's password #327



Labels bug high

Projects

□ Development

ufo009e commented on Jan 12, 2020 editor role user can change admin user's properties including password hash, salt and token. let's say you have 2 users in db id name isadmin hash 1111 admin true aaaaaa 2222 editor false bbbbbb editor user can use the postuser function to change his password. Attacker can use this function to change the id and other parameters. If editor changed the id to 1111 (post body)which belong to admin, then he can send another postuser request (set to 1111 in both post body and url) to overwrite admin's properties (since findone by id 1111 matches first row now) including hash, token and salt, also changed isadmin to false, static postUser(req, res) { let id = req.params.id; let properties = req.body; UserController.authenticate(req.cookies.token, req.params.project) let hasScope = user.hasScope(req.params.project, 'users'); if(user.id == id || hasScope) { // If the current user does not have the "users" scope, revert any sensitive properties if(!hasScope) {
 properties.scopes = user.scopes; properties.isAdmin = false; return Promise.resolve(); return Promise.reject(new Error('User "' + user.name + '" does not have scope "user"')); .then(() => { HashBrown.Service.UserService.updateUserById(id, properties); <<<<< accept id, and password value

mrzapp commented on Jan 12, 2020 \bullet edited $\ _{\blacktriangledown}$ Member

 $I \ was \ really \ hoping \ for \ someone \ like \ you \ to \ show \ up. \ Thank \ you \ so \ much \ for \ your \ inspection \ of \ the \ codebase.$

I will prevent any changes to the user id. Anything else you think would be appropriate to do here while I'm at it?

A mrzapp self-assigned this on Jan 12, 2020

mrzapp added bug high labels on Jan 12, 2020

mrzapp added this to Backlog in Development via (automation) on Jan 12, 2020

mrzapp moved this from Backlog to To do in Development on Jan 12, 2020

ufo009e commented on Jan 12, 2020

uthor

the username is dangerous as well. If the editor change the name to admin, the logoff. The logoff update by username function will copy editor user setting to overwirite admin. So there are 2 duplicate lines of editor in db now. I have concern about password part as well, but I can't find a way to use it to exploit without changing username and id.

