Front end vulnerabilities

Thursday, January 18, 2024 1:01 PN

Sensitive Data Exposure

front end components dont pose a direct twent to back and but direct threat to back and but they do put end used in danger attacks on admin users result in mouth access, sins data, senice disroupt, etc.

most web per testing is backered but
good to know frontend for finding
widden accesses

Sousitive data exposure - availability of
susitive data in clear-text to
end of

Naly in source cool

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coold find login eveds, hashes or sens data in comments or I've external Is code being in external imported

also exposed links/ sirretaires

looking at sovice come should be are
of Girst things we do

impostant to classify data types and what confound be seen on client

good to use Is obtuscation to rollice chances of exposing cools

HTML injection

Some oser import never makes it to
the backend and is entirely
processed and rendered on front

HTML injection - unfiltered oser input is displayed on page

retrieries previously submitted code like user comment from backend

· directly displaying input to

example of malicions HTML rode

could be take login torn

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wh descrip = ineert malicious ads,

charge appearance, or charge

egg

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for Front end examples, refreshing
the page usually fixes any input
C1055 Site scripting (XSS)

inject Js code to be executed on client side

if we can execute code or victim's mechine we could potentially gain access to account a machine

3 types of XSS

3 types of xss

- reflected XSS User import is displayed on the page after processing search result or error message
- . Stored XSS USER import stored in back end and aisplayed on retrieval

posts or comments

- DOM XCS - JSET input directly Snown in browser and written to an HTML DOM object

volnerable username or page

ar example of Dom based xss:

H"> Ling Src=/ overror= alert (document.

#"> Ling Src=/ overror= allicookie)>

Drowser processes input and it is considered as new Don, Js is executed

Closs-site Request Forgery (CSRF)

CSRF may use xcs to perform queries and an API will call on web and that victim is already awther to

COMMON attack to gain higher privilege
acress to web app is to use Is
payload that charges user's provide

victim views payload on volverable

victim views payload on volument)
page (like a malicias comment)

Prevention

Suritation - remove special characters
and now standard chars

Validation - ensure provided import matches expected Commat

also important to sanitize displayed

WAF also help