

### NEWS

## Multiple Vulnerabilities in Epikur

Confirmed Affected Versions: 20.1.0.1

# Confirmed Patched Versions: 20.1.1

Vendor: Epikur Software & IT Services GmbH

# Vendor URL: https://www.epikur.de/

Credit: X41 D-Sec GmbH, Eric Sesterhenn

Status: Public

Advisory-URL: https://www.x41-dsec.de/lab/advisories/x41-2020-003-epikur

Summary and Impact

### **Product Description**

### Backdoor Password

Vector: Network

CVE: CVE-2020-10539

CWE: 798

CVSS Score: 10.0

CVSS Vector: CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:C/C:H/I:H/A:H

Analysis
The Epiker server contains the checkPasswort () function that, upon user login, checks the submitted password against the user password's MDS hash stored in the database. It is also compared to a second MDS hash, which is the same for every user. If the submassword multi-his either one, access is granted.

public boolean checkPasswort(String otherPassword) {
 return (otherPassword.equals(thiz.password.equals("mhEVfZUMEwwvfBbSEpLhA="));
}

Brute-forcing the second hash reveals that the password 3p1kursupport will allow you to login as any use

## Passwords stored as MD5 Hash

## Severity Rating: Medium

CVE: CVE-2020-10538

CWE: 916

CVSS Score: 6.0

CVSS Vector: CVSS:3.0/AV:L/AC:L/PR:H/UI:N/S:C/C:H/I:N/A:N

## Glassfish Administrator Password Not Set

# Severity Rating: Medium

Vector: Local Network Interface

CVE: CVE-2020-10537

CWE: 258

CVSS Score:

CVSS Vector: CVSS:3.0/AV:L/AC:L/PR:N/UI:N/S:C/C:L/I:L/A:L

## Analysis A Glassfish 4.1

with default configuration is running on TCP port 4848. No password is required to access it with the administrator

### Timeline

2020-02-17

2020-02-27 Asked vendor for security contact

2020-02-27
Vendor reply after just 3 hours, will setup encrypted communication channel 2020-02-28 Information sent to vendor

2020-03-10 Vendor acknoledges issues

2020-03-13 CVE IDs assigned

2020-04-01 Updated version and advisory released

### About X41 D-SEC GmbH

X41 is an expert provider for application security services. Having extensive industry experience and expertise in the area of information security, a strong core security team of world class security experts enables X41 to perform premium security services.

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## CONNECT





