Directory Traversal in OpenMRS Startup Filter

High gracepotma published GHSA-8rgr-ww69-jv65 on Feb 22

 Package

 openmrs (N/A)

 Affected versions
 Patched versions

 > = 1.6
 2.1.5, 2.2.1, 2.3.5, 2.4.5, 2.5.3

Description

Impact

Arbitrary file exfiltration due to failure to sanitize request when satisfying GET requests for <code>/images & /initfilter/scripts</code>. This can allow an attacker to access any file on a system running OpenMRS that is accessible to the user id OpenMRS is running under.

Vulnerability location:

- https://lgtm.com/projects/g/openmrs/openmrscore/snapshot/fb1335c925ca4c94be5a546707b90d2c1efa4dcc/files/web/src/main/java/org/openmr s/web/filter/StartupFilter.java#L123
- openmrs-core/web/src/main/java/org/openmrs/web/filter/StartupFilter.java
 Line 123 in ee3373a

 123 file = new File(file, httpRequest.getPathInfo());

```
try {
        imageFileInputStream = new FileInputStream(file);
       OpenmrsUtil.copyFile(imageFileInputStream, httpResponse.
}
```





Patches

Affected implementations should update to the latest patch version of OpenMRS Core for the minor version they use. These are:

- 2.1.5
- 2.2.1
- 2.3.5
- 2.4.5
- 2.5.3

Patch that fixes this vulnerability can be found here: db8454b #diff-7c64d9f61d4d4e2ddba92920d7cf63ec96091b308d43904956b3846bc0c26d80R128

Workarounds and Mitigation

As a general rule, this vulnerability is already mitigated by Tomcat's URL normalization in Tomcat 7.0.28+. Implementers on older versions of Tomcat should consider upgrading their Tomcat instance as well as their OpenMRS instance.

For more information

If you have any questions or comments about this advisory:

• Email us at security@openmrs.org

Severity



CVSS base metrics Attack vector Network Attack complexity Low Privileges required None User interaction None Scope Unchanged Confidentiality High

Integrity	None	
Availability	None	
CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:N		
CVE ID		
CVE-2022-23612		
Weaknesses		
No CWEs		

Credits

