

## ANDROID STATIC ANALYSIS REPORT



MHWorld Database (2.1.0)

File Name:	installer281.apk
Package Name:	com.gatheringhallstudios.mhworlddatabase
Scan Date:	May 31, 2022, 1:06 p.m.
App Security Score:	64/100 (LOW RISK)
Grade:	A

#### FINDINGS SEVERITY

<del>派</del> HIGH	▲ MEDIUM	<b>i</b> INFO	✓ SECURE	♥ HOTSPOT
0	4	2	1	0

#### FILE INFORMATION

File Name: installer281.apk

Size: 21.3MB

MD5: 094f944d2d0ecf67ce704add57dd754f

**SHA1**: a80a8c0600ff7260f3a8b2af92fa300b5fc322f5

SHA256: ba90c7e565afc8ce5f742f2ca31cb6be93a08934b79cd326c70ced820da2f811

### **i** APP INFORMATION

App Name: MHWorld Database

Package Name: com.gatheringhallstudios.mhworlddatabase

 ${\it Main\ Activity:} com. gathering hall studios. mhworld database. Splash Activity$ 

Target SDK: 28 Min SDK: 19 Max SDK:

Android Version Name: 2.1.0 Android Version Code: 22

#### **B** APP COMPONENTS

Activities: 4 Services: 1 Receivers: 0 Providers: 1

Exported Activities: O Exported Services: O Exported Receivers: O Exported Providers: O

## **\*** CERTIFICATE INFORMATION

APK is signed v1 signature: True v2 signature: True v3 signature: False

Found 1 unique certificates

Subject: ST=Ky, L=Louisville, O=Gathering Hall Studios, OU=Organization, CN=Gathering Hall

Signature Algorithm: rsassa\_pkcs1v15 Valid From: 2016-07-14 13:07:33+00:00 Valid To: 2041-07-08 13:07:33+00:00

Issuer: ST=Ky, L=Louisville, O=Gathering Hall Studios, OU=Organization, CN=Gathering Hall

Serial Number: 0x143f3107 Hash Algorithm: sha256

md5: cb16884b3eccefca73785035bc35b38d

sha1: 726bf53770159af28113d675192667ce3cc5de58

sha256: f4f81a09389f8818498e477a05dfae0893f9f22ec4f6ee1588634ede36cdde0b

PublicKey Algorithm: rsa

Bit Size: 2048

TITLE	SEVERITY	DESCRIPTION
Signed Application	info	Application is signed with a code signing certificate
Application vulnerable to Janus Vulnerability	warning	Application is signed with v1 signature scheme, making it vulnerable to Janus vulnerability on Android 5.0-8.0, if signed only with v1 signature scheme. Applications running on Android 5.0-7.0 signed with v1, and v2/v3 scheme is also vulnerable.

## **命 APKID ANALYSIS**

FILE	DETAILS			
classes.dex	FINDINGS	DETAILS		
	Anti-VM Code	Build.MANUFACTURER check		
	Compiler	r8		
	<u> </u>	<del> </del>		

## **△** NETWORK SECURITY

		NO	SCOPE	SEVERITY	DESCRIPTION
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## **Q** MANIFEST ANALYSIS

NO	ISSUE	SEVERITY	DESCRIPTION
1	Application Data can be Backed up [android:allowBackup=true]	warning	This flag allows anyone to backup your application data via adb. It allows users who have enabled USB debugging to copy application data off of the device.

# </> CODE ANALYSIS

NO	ISSUE	SEVERITY	STANDARDS	FILES
1	The App logs information. Sensitive information should never be logged.	info	CWE: CWE-532: Insertion of Sensitive Information into Log File	com/sdsmdg/harjot/vectormaster/utilities/legac yparser/PathParser.java com/gatheringhallstudios/mhworlddatabase/fea tures/workshop/selectors/WorkshopSelectorVie wModel.java com/gatheringhallstudios/mhworlddatabase/util /pager/GenericPagerAdapter.java com/gatheringhallstudios/mhworlddatabase/util /pager/BasePagerFragment.java com/gatheringhallstudios/mhworlddatabase/dat a/AppConverters.java com/michaelflisar/changelog/internal/ParcelUtil. java com/gatheringhallstudios/mhworlddatabase/fea tures/kinsects/KinsectTreeAdapter.java com/gatheringhallstudios/mhworlddatabase/fea tures/search/UniversalSearchViewModel.java com/michaelflisar/changelog/ChangelogParserU til.java butterknife/ButterKnife.java com/gatheringhallstudios/mhworlddatabase/co mponents/SkillLevelView.java com/michaelflisar/changelog/ChangelogBuilder.j ava com/gatheringhallstudios/mhworlddatabase/ass

			OVVASP IVIASVS, IVISTA-STOKAGE-S	ets/ColoredVectorDrawable\$basePath\$2.java
NO	ISSUE	SEVERITY	STANDARDS	Color ed vector brawable plaser at 132. java  Color ed vector brawable plaser at 132. java  r/PathParser java
				com/gatheringhallstudios/mhworlddatabase/util /Functions\$loggedThread\$1.java com/gatheringhallstudios/mhworlddatabase/util /sqliteloader/sqliteasset/VersionComparator.jav a com/gatheringhallstudios/mhworlddatabase/fea tures/weapons/WeaponTreeAdapter.java com/gatheringhallstudios/mhworlddatabase/co mponents/HeaderItemDivider.java com/gatheringhallstudios/mhworlddatabase/ass ets/AssetExtensionsKt.java com/gatheringhallstudios/mhworlddatabase/util /Functions\$createLiveData\$\$inlined\$loggedThre ad\$1.java com/gatheringhallstudios/mhworlddatabase/util /sqliteloader/sqliteasset/Utils.java com/michaelflisar/changelog/internal/Changelog ParserAsyncTask.java com/gatheringhallstudios/mhworlddatabase/util /sqliteloader/sqliteasset/SQLiteAssetHelper.java
2	Files may contain hardcoded sensitive information like usernames, passwords, keys etc.	warning	CWE: CWE-312: Cleartext Storage of Sensitive Information OWASP Top 10: M9: Reverse Engineering OWASP MASVS: MSTG-STORAGE-14	com/michaelflisar/changelog/internal/Changelog PreferenceUtil.java com/gatheringhallstudios/mhworlddatabase/dat a/entities/SkillTreeEntity.java com/gatheringhallstudios/mhworlddatabase/dat a/dao/SkillDao.java
3	App can write to App Directory. Sensitive Information should be encrypted.	info	CWE: CWE-276: Incorrect Default Permissions OWASP MASVS: MSTG-STORAGE-14	com/gatheringhallstudios/mhworlddatabase/Ap pSettings.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
4	App uses SQLite Database and execute raw SQL query. Untrusted user input in raw SQL queries can cause SQL Injection. Also sensitive information should be encrypted and written to the database.	warning	CWE: CWE-89: Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection') OWASP Top 10: M7: Client Code Quality	com/gatheringhallstudios/mhworlddatabase/util /sqliteloader/adapters/FrameworkSQLiteDataba se.java com/gatheringhallstudios/mhworlddatabase/util /sqliteloader/sqliteasset/SQLiteAssetHelper.java

## ■ NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
1	FCS_RBG_EXT.1.1	Security Functional Requirements	Random Bit Generation Services	The application use no DRBG functionality for its cryptographic operations.
2	FCS_STO_EXT.1.1	Security Functional Requirements	Storage of Credentials	The application does not store any credentials to non-volatile memory.
3	FCS_CKM_EXT.1.1	Security Functional Requirements	Cryptographic Key Generation Services	The application generate no asymmetric cryptographic keys.
4	FDP_DEC_EXT.1.1	Security Functional Requirements	Access to Platform Resources	The application has access to no hardware resources.
5	FDP_DEC_EXT.1.2	Security Functional Requirements	Access to Platform Resources	The application has access to no sensitive information repositories.
6	FDP_NET_EXT.1.1	Security Functional Requirements	Network Communications	The application has no network communications.

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
7	FDP_DAR_EXT.1.1	Security Functional Requirements	Encryption Of Sensitive Application Data	The application implement functionality to encrypt sensitive data in non-volatile memory.
8	FMT_MEC_EXT.1.1	Security Functional Requirements	Supported Configuration Mechanism	The application invoke the mechanisms recommended by the platform vendor for storing and setting configuration options.
9	FTP_DIT_EXT.1.1	Security Functional Requirements	Protection of Data in Transit	The application does encrypt some transmitted data with HTTPS/TLS/SSH between itself and another trusted IT product.

## **Q DOMAIN MALWARE CHECK**

DOMAIN	STATUS	GEOLOCATION
play.google.com	ok	IP: 142.251.36.46 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map



EMAIL	FILE
contact@gatheringhallstudios.com	Android String Resource

#### Report Generated by - MobSF v3.5.2 Beta

Mobile Security Framework (MobSF) is an automated, all-in-one mobile application (Android/iOS/Windows) pen-testing, malware analysis and security assessment framework capable of performing static and dynamic analysis.

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