# CVE Detail – CVE-2020-5248

GLPI before before version 9.4.6 has a vulnerability involving a default encryption key. GLPIKEY is public and is used on every instance. This means anyone can decrypt sensitive data stored using this key. It is possible to change the key before installing GLPI. But on existing instances, data must be reencrypted with the new key. Problem is we can not know which columns or rows in the database are using that; espcially from plugins. Changing the key without updating data would lend in bad password sent from glpi; but storing them again from the UI will work.

## Threat-Mapped Scoring

Score: 3.0

Priority: P2 - Serious (High)

## EPSS

EPSS Score: N/A

Percentile: 0.85617

## CVSS Scoring

CVSS v3.1 Score: 7.2

Severity: HIGH

## Mapped CWE(s)

* CWE-798: Use of Hard-coded Credentials

## CAPEC(s)

* CAPEC-191: Read Sensitive Constants Within an Executable
* CAPEC-70: Try Common or Default Usernames and Passwords

## ATT&CK Techniques

* T1078.001: Default Accounts
* T1552.001: Credentials In Files

## Used By (Actors/Tools)

* TrickBot (malware)
* Stuxnet (malware)
* Smoke Loader (malware)
* HyperStack (malware)
* Emotet (malware)
* Hildegard (malware)
* BlackEnergy (malware)
* XTunnel (malware)
* pngdowner (malware)
* StrelaStealer (malware)
* Pysa (malware)
* Agent Tesla (malware)
* jRAT (malware)
* Azorult (malware)
* AADInternals (tool)
* Empire (tool)
* PoshC2 (tool)
* LaZagne (tool)
* Pupy (tool)
* QuasarRAT (tool)
* Indrik Spider (intrusion-set)
* OilRig (intrusion-set)
* Fox Kitten (intrusion-set)
* TA505 (intrusion-set)
* Ember Bear (intrusion-set)
* TeamTNT (intrusion-set)
* Leafminer (intrusion-set)
* Magic Hound (intrusion-set)
* MuddyWater (intrusion-set)
* Kimsuky (intrusion-set)
* FIN13 (intrusion-set)
* Scattered Spider (intrusion-set)
* RedCurl (intrusion-set)
* Leviathan Australian Intrusions (campaign)
* APT3 (intrusion-set)
* HomeLand Justice (campaign)
* APT33 (intrusion-set)

## Affected Products

* cpe:2.3:a:glpi-project:glpi:\*:\*:\*:\*:\*:\*:\*:\*