



About Us



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What is Security Shepherd?













What is Security Shepherd



Security Shepherd

Admin

Lessons

XCross Site Request Forgery

XFailure to Restrict URL Access

XSQL Injection

XInsecure Cryptographic Storage

X Insecure Direct Object

References

XInsufficient Transport Layer

Protection

XBroken Session Management

XUnvalidated Redirects and

Forwards

XCross Site Scripting

| Submit | Result | Key | r |
|--------|--------|-----|---|
| | | | |

Submit

What is SQL Injection?

Injection flaws, such as SQL injection occur when hostile data is sent to an interpreter as part of a command or query. The hostile data can trick the interpreter into executing unintended commands or accessing unauthorized data. Injections attacks are of a high severity. Injection flaws can be exploited to access any information held on the system and removing a system's confidentiality. These security risks can then be extended to execute updates to existing data affecting the systems integrity and availability. These attacks are easily exploitable as they can be initiated by anyone who can interact with the system through any data they pass to the application.

In the following form's parameters are concatenated to a string that will be passed to a SQL server. This means that the data can be interpreted as part of the code.

The objective here is to modify the result of the query with SQL Injection so that all of the table's rows are returned. This means you want to change the boolean result of the query's WHERE clause. The easiest way to ensure the boolean result is always true is to inject a boolean 'OR' operator followed by a true statement like 1 = 1.

If the parameter is been interpreted as a string, you can escape the string with an apostrophe. That means that everything after the apostrophe will be interpreted as SQL code.

Hide Lesson Introduction

Use SQL Injection in the following example to retrieve all of the tables rows. The lesson's solution key will be found in one of these rows! The results will be posted beneath the search form.



Admin

Cheat Sheet Management

Module Management

Open Floor Modules

CTF Mode

Enable Module Block

Disable Module Block

Set Module Status

View Feedback

View Progress

Scoreboard

User Management

Configuration

CTF Mode

If you enable the CTF floor plan, players will have to complete lessons to unlock links to the next module.

Enable CTF Mode

Learning is a Game



| Scoreboard | | |
|--|-------------------|--|
| Select the class you would like to show the scoreboard for | | |
| | 12/13 Hackathon ▼ | |
| This_is_Bananas! | 1028 | |
| caoimh | 1007 | |
| AbePetrillo | 1005 | |
| davo69 | 1004 | |
| gotomanners | 1002 | |
| JustinCredible | 954 | |
| amsqr | 952 | |
| Shane | 952 | |
| paulwhelan | 950 | |
| Conor | 950 | |
| pendo19 | 905 | |
| Enda1 | 887 | |

Shepherd as a CTF









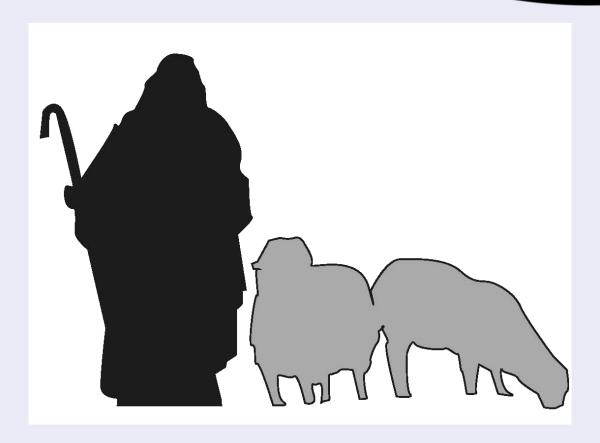






Shepherd in Practise





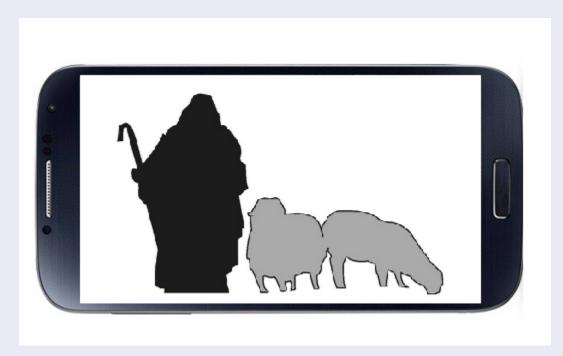
Lesson & Challenge Demonstration

Mobile Security Awareness









Lesson & Challenge Demonstration

Practical Examples - Databases



```
cd data/data/com.app.mobshep/databases/
root@android:/data/data/com.app.mobshep/databases #
root@android:/data/data/com.app.mobshep/databases                             # cat Members
cat Members
SQLite format 3 ▶ 🖼 🗗
                                                       •
  #肝 紫剣肝
                                                    JB↑ ▼®!JohnS
mith-Battery777root@android:/data/data/com.app.mobshep/databases #
```

Practical Examples - Injection



Practical Examples - Hard coding



Help Us Build Higher





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Contact Us



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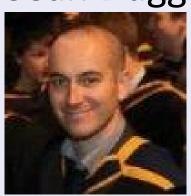
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