



# Unrestricted File Upload

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# 01

## What is Unrestricted File Upload



## What is Unrestricted File Upload

- It's a critical vulnerability that occurs when a web application allows users to upload files **without any limitations or restrictions**.
- The web application developer does not implement proper security checks and validation.



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# 02

## Risks of Unrestricted File Upload



# Risks of Unrestricted File Upload

**How critical is this vulnerability?**

- Denial of Service (DoS): Attackers could upload large files causing slowdowns or service interruptions.
- Malicious Code Execution: Attackers can upload files containing malicious scripts, or malware. These malicious files can be executed on the server, leading to unauthorized access and data breaches.
- And many more..

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# 03

## Hands-on Exploit



# Hands-on Exploit

## Time To Hack



# Hands-on Exploit

- First, we'll upload a large file and see what it does.
- Second, we'll see how we can upload any type of file, even though it's supposed to only allow images.

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# 04 Mitigations



# Mitigations

## How to prevent Unrestricted File Upload?

- Restricting file size, to prevent overloading the server
- Validate uploaded files thoroughly, checking file types and content.

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# 05

## Recap and Q&A





## RESOURCES

<https://portswigger.net/web-security/file-upload>

<https://book.hacktricks.xyz/pentesting-web/file-upload>

Book: Web Security for Developers

