



Information Gathering • Phishing

# Bypass HTTPS website... MITM (Man In The Middle Attack)

1 year ago • 2 Comments • by Hacking Blogs



Victim

Packet Containing  
Credentials



Server



Hacker



Hacker Stealing  
Credentials

Written by [Hacking Blogs](#)

1. **MITM( Man In The Middle Attack ) is totally Illegal Friends. Don't try this anywhere. We do NOT promote Hacking! We are documenting the way hackers steal and perform activities. So it can be useful to Protect yourself.**

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# MITM (Man In The Middle Attack)

**MITM...**Is anyone there who knows anything about this? Most of the websites tell you How to do MITM in HTTP websites. Am I right? But In this tutorial, You will learn How to do Man In the Middle Attack on HTTPS and How Hackers sniff your personal information

like username, password, etc. doesn't matter if you are using a high-security type website.

Most of the people ask me, How to do the attack on HTTPS websites? There are many tools of MITM which can convert an HTTPS request into the HTTP and then sniff credentials. Many websites are using HSTS on their websites.

## HSTS (HTTP Strict Transport Security)

HSTS is a type of security which protects websites against protocol downgrade attacks and cookie hijacking types of attacks. We can bypass HSTS websites also.

Today, I will tell you about

1. Man In The Middle Framework
2. Installing MITMF tool in your Kali Linux?
3. Bypass HSTS security websites?
4. How to be safe from such type of Attacks?

# MITM

It is a kind of Attack which can be done only on the private network. You can't do this on Public Network. In this Attack, we set up MITMF in Kali. Suppose, a person in the same network surfs Facebook.com, then the packet with a request of facebook.com will go to the router and then router forward this request to the Facebook server. **BUT**, If we set up MITMF in Kali, then all the requests of the victim's PC which is going to the router; MITMF is able to capture these all packets and can read the data from these packets.

We can capture these packets using MITMF and can also see what is written on those packets. If somebody login to their facebook account, then we are also able to see the username and password of that facebook account.

**Let's Start 😊**

**Tool:- MITMF**

**Victim:- Windows Pc**

**Attacker:- Kali Linux**

This is a pre-downloaded tool in Kali. So, you have to install this tool by typing

**” apt-get install mitmf**

After downloading MITMF, type



” **MITMF -h**

to see all the commands of this tool.

To perform this MITM attack for bypassing HSTS. You need some IP's as given below.

## Requirements:-

- **Victim's IP:-** You can find victim's IP by netdiscover command
- **Router IP:-** Also shown by the netdiscover command

To start MITM type

**” mitmf –spoof –arp -i etho –target ‘target IP’ –gateway  
‘router’s IP’ –hsts**

You can see here Man In The Middle Attack is started on HSTS website also. To confirm this, open your web browser and open

**facebook.com.** Whenever you open facebook.com, it opens facebook with a different URL like in my browser it opens with **webm.facebook.com** with “Not” Secure.

Once your victim enters his/her email id and password, then your mitmf will capture it. for ex:- I typed

**username-** gaurav

**password-** hackingblogs

and hit Enter.

Now, I checked my Kali Machine if it has captured the password or not.

As you can see here, MITM has already captured the username and password.

# How To Be Safe From MITM?

1. Use Latest Operating Systems and Browsers
2. Use a trusted network while filling your sensitive details
3. Check SSL sign for each and every website.
4. Use Data Encryption type software.

#man in the middle attack #mitm #mitm attack #mitmf







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