
How to Secure your WordPress Website against Hackers

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About me



- Murat Kilic
 - 42 years old
 - Senior Lecturer (2017)
 - Diploma of Vocational Pedagogy (2014)
 - MSc in Information Technology (2010)
 - BA in Informations Techmology (2006)
 - AP Graduate in Computer Science (2001)
 - Married with Esra
 - 4 kids
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Cybersecurity is

Important

now than more ever

**Cyberattacks affect all
people**

Google blacklists around

10.000+

websites every day for malware

(A. Talalaev, 2020)

Google blacklists around

50.000

websites for phishing every week

(A. Talalaev, 2020)

Hackers attacks every

39 seconds

2242 times a day in average

(M. Cukier, 2007)

**The fast changes in
Technology will cause
boom in cyberattacks**
AI, IoT, Cloud Computing, 5G

Damage to Business and loss of jobs

Facebook, the social media giant had over

\$540 million

user records exposed to Amazon's cloud
computing service

(CBS NEWS, 2019)

The UK National Health Service (NHS), was temporarily brought to its knees with a

ransomware attack

resulting in canceled operations and considerable clean-up cost

(BBC NEWS, 2017)

Yahoo

3 billion

customer accounts were hacked in 2013

(REUTERS, 2017)

**How do you protect your
WordPress website from
becoming compromised.**

SSL

Secure socket layer



- **SSL Encrypts Sensitive Information**
 - **SSL Provides Authentication**
 - **SSL Provides Trust**
-
- Check if your website is secure by visiting - www.whynopadlock.com
 - Install - Really Simply SSL plugin

Change admin username



Newer use:

- admin
- administrator
- root

Using an email ID instead of a username is a more secure approach.

Usernames are easy to predict, while email IDs are not.

(CodeinWP, 2020)

Strong password

PASSWORD:



1292014



wH01292014etV

Consider this when making a new strong password

- Password should be complex
- Do not reuse passwords
- Should be easy to remember

Tip: Use a combination of:

- Symbols
- Capital letters
- Lowercase
- Numbers
- Special characters
- Min length 12 characters
- Recommend 16 characters

Little exercise

Make your own secure password

—

**Write one long sentences
that includes proper names**

**“I live in Aarhus and work at Business Academy
Aarhus”**

Rules



- 1. Take the first letter from the sentence**
- 2. Apply percentages in front of all vowels**

Strong password

ll%i%A%aw%aB%A%A

**llive%in%Aarhus%andwork%atBusiness
%Academy%Aarhus**

Test your password strength

PASSWORD:	
	1292014
	wH01292014etV

<https://www.my1login.com/>

Use two-factor authentication



The user provides login details for two different components.

The website owner decides what those two are.

It can be:

- A regular password followed by a secret question a secret code
- A set of characters, or more popular
- Google Authenticator app, which sends a secret code to your phone.

Use two-factor authentication



Google Authenticator – WordPress Two Factor Authentication (2FA , MFA)

2FA,OTP on login and Registration for a with SMS, Email, other Apps like Micro:

Af miniOrange

Install the plugin

Google Authenticator – 2-way factor authentication

Download the app

Google Authenticator to your smartphone from

Google Play - App Store

Live demonstration

2-way factor authentication

Download only

Trustworthy Plugins



- Use plugins and themes from WordPress.org
- Use plugins and themes from a company with a solid reputation

(S. Bullington, 2016)

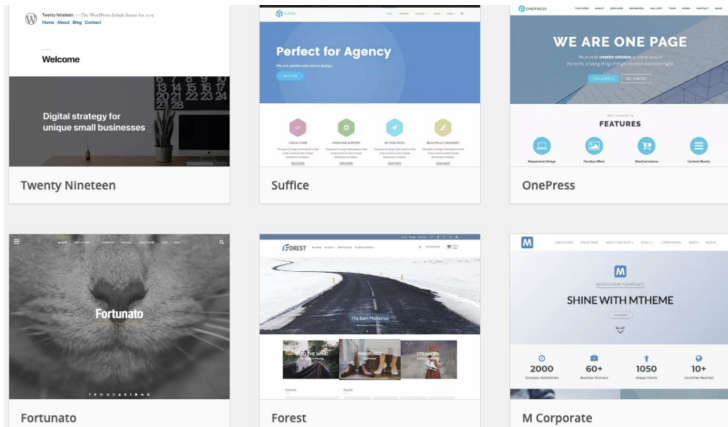
Update Plugins & Themes continuously



Unused Plugins can pose a security risk.

(S. Bullington, 2016)

Remove unused WordPress Themes



Unused Themes can pose a security risk.

(S. Bullington, 2016)

Remove unused WordPress Plugins



Unused Plugins can pose a security risk.

(S. Bullington, 2016)

Update WordPress



Unused Plugins can pose a security risk.

(WPBeginner, 2020)

Backup



All-in-One WP Migration

Move, transfer, copy, migrate, and backup a site with 1-click. Quick, easy, and reliable.

At ServMask

 [Opdater nu](#)

[Flere detaljer](#)

★★★★★ (6.491)

3+ millioner aktive installationer

Sidst opdateret: 1 uge siden

✓ Kompatibel med din version af WordPress

There are many reasons why you should backup your WordPress site.

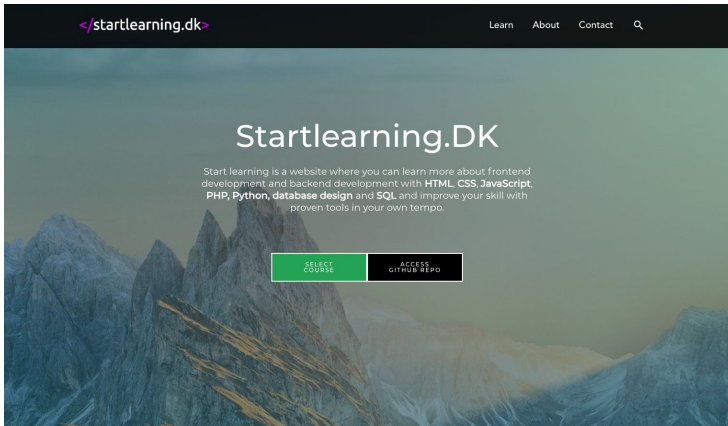
You need to back up the entire site, and you need to back up your WordPress database

Install the plugin
All-in-One WP Migration

Live demonstration

All-in-One WP Migration

Learn more about WordPress



www.startlearning.dk

Feel free to ask
questions

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