

MY WORDPRESS IN PARANOID MODE

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https://www.elevenpaths.com

http://www.elladodelmal.com

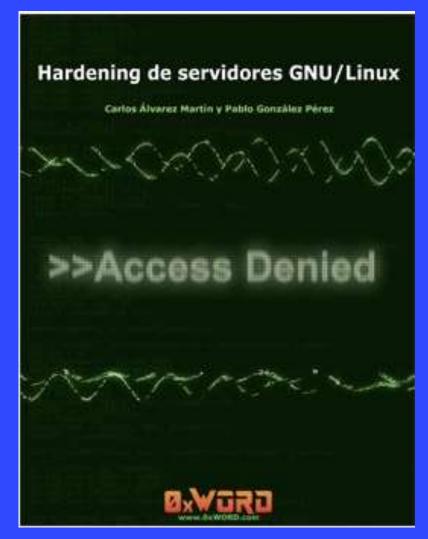
(SOME) WORDPRESS RISKS

- My plugin has a Code Injection Bug
- Someone stole an identity
- My WordPress is under Attack!!



HARDEN IT!

- Harden OS
 - (GNU/Linux Hardening)
- Harden DB
 - (MySQL Hardenig)
- Harden WordPress
 - (Main & Plugins)
- Harden Users
 - (Awarness & Tools)



www.0xword.com

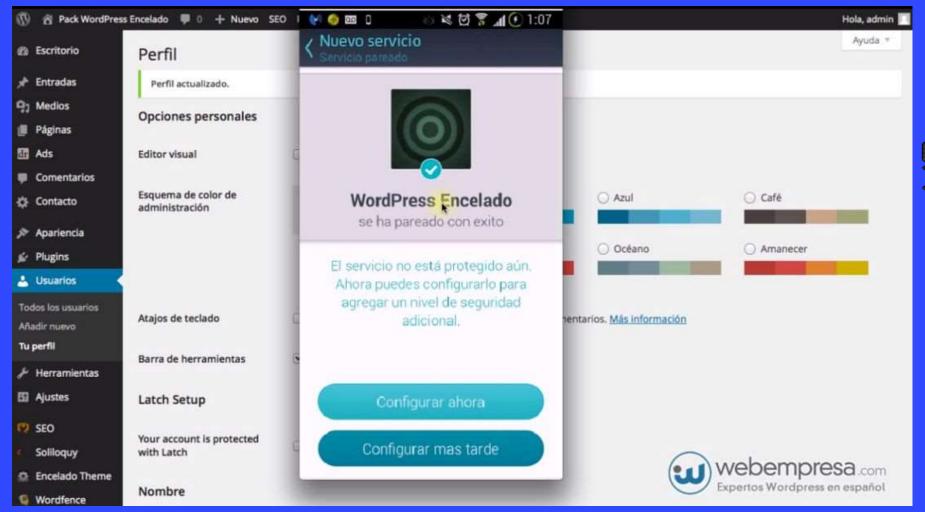
PUT A LATCH ON IT!







1) HARDEN WORDPRESS USERS

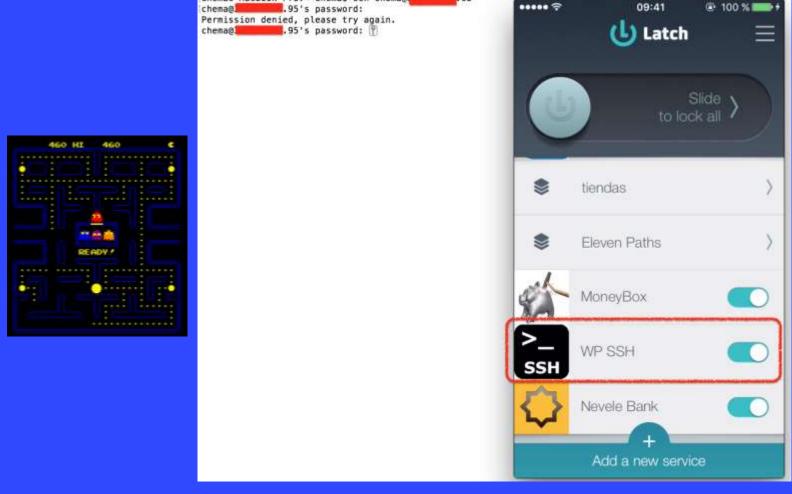


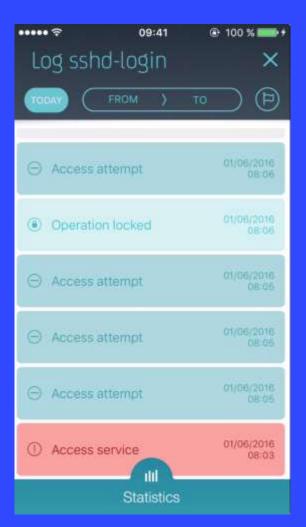


http://www.slideshare.net/elevenpaths/instalacin-de-latch-en-word-press

2) HARDEN OS: GNU/LINUX SSH

Chemas-MacBook-Pro:~ Chemas ssh chema@





http://www.slideshare.net/elevenpaths/latch-unix-espaol

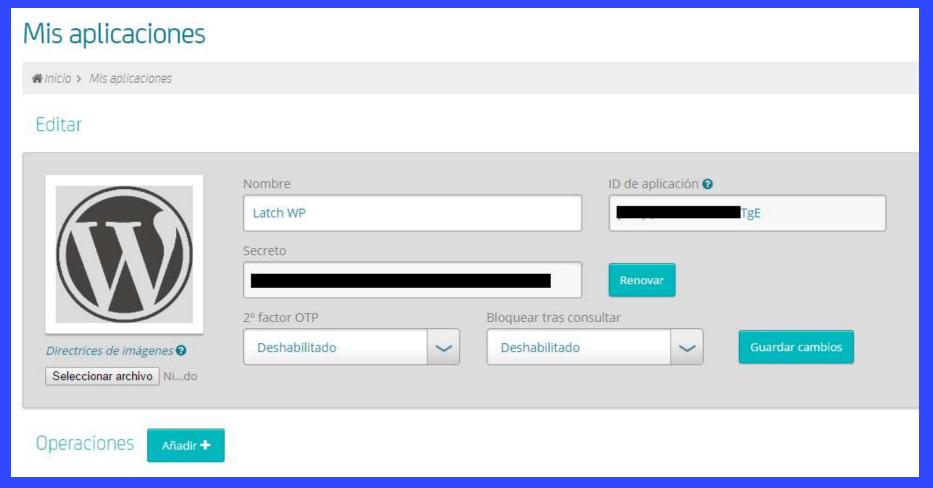
3) WORDPRESS IN PARANOID MODE

(LATCHING MYSQL DB)

- Create triggers in critical tables of Wordpress
 - This triggers allow or deny 3 actions:
 - Insert
 - Update
 - Delete
 - Trigger verify Latch to carry out an action:
 - Latch ON = Action
 - Latch OFF = Blocked



CREATE LATH APP (LATCH DEVELOPER AREA)



INSTALL WPM

(./INSTALL.SH <APPID> <SECRET>)



STEP 1: PAIRING MYSQL & LATCH

(GIVE ME TOKEN => PAIRING)





STEP 2&3: CREATING OPERATIONS (RELAX AND ENJOY)





STEP 4: COMPILATION & INSTALL (LIB_MYSQL_UDF.SO)

```
Step 4: Setup lib mysql udf so
Levendo lista de paquetes... Hecho
Creando árbol de dependencias
Levendo la información de estado... Hecho
Se instalarán los siquientes paquetes NUEVOS:
 libmysglclient-dev
O actualizados, 1 nuevos se instalarán, O para eliminar y 287 no actualizados.
Se necesita descargar O B/999 kB de archivos.
Se utilizarán 6.337 kB de espacio de disco adicional después de esta operación.
Seleccionando el paquete libmysglclient-dev previamente no seleccionado.
(Leyendo la base de datos ... 188538 ficheros o directorios instalados actualmente.)
Preparando para desempaquetar .../libmysqlclient-dev 5.6.28-0ubuntu0.15.04.1 amd64.deb ...
Desempaquetando libmysqlclient-dev (5.6.28-0ubuntu0.15.04.1) ...
Procesando disparadores para man-db (2.7.0.2-5) ...
Configurando libmysglclient-dev (5.6.28-0ubuntu0.15.04.1) ...
```

STEP 5: UNLOAD MYSQL PROFILE

(MYSQL APPARMOR PROFILE BLOCK CODE EXECUTION)

```
Step 5: AppArmor Configuration

------
File /etc/apparmor.d/usr.sbin.mysqld not found, skipping...
Reboot MySQL, if this fail, you need reboot MySQL
[ ok ] Restarting mysql (via systemctl): mysql.service.
```

sudo ln -s /etc/apparmor.d/usr.sbin.mysqld /etc/apparmor.d/disable/
sudo apparmor_parser -R /etc/apparmor.d/usr.sbin.mysqld
echo "Reboot MySQL, if this fail, you need reboot MySQL"
sudo /etc/init.d/mysql restart

STEP 6: CREATING MYSQL TRIGGERS

(READ-ONLY, ADMINISTRATION, EDITION)





YOU GOT LATCH IN WPM







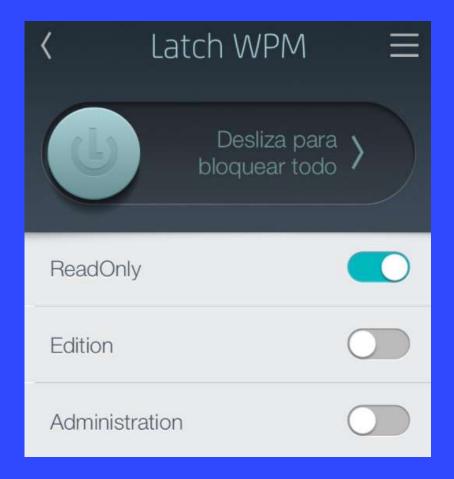
LATCH WPM: READ-ONLY MODE

Read-Only Mode:

- Nobody can login in WordPress.
- No one can make changes in MySQL.

wp_usermeta Table:

- insert, delete and update blocked if 'read-only' operation enabled
- If 'read-only' mode is deactivated then you can login



LATCH: ADMINISTRATION MODE

Protects:

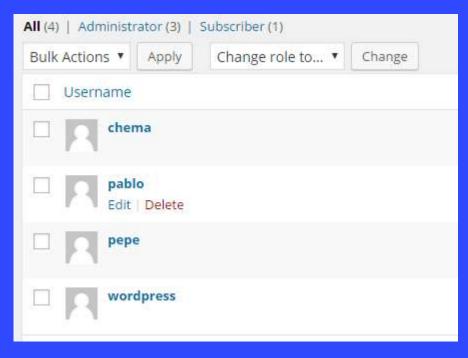
- Delete on wp_users
- Update on wp_users
- Insert on wp_users

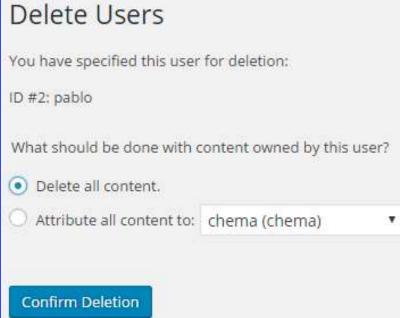
SQL Injection Bugs:

- No Delete
- No Update
- No Insert



LATCH: ADMINISTRATION MODE





- Trigger on wp_users:
 - Delete Action
 - Verify Latch
 - Abort SQL Operation



QUESTIONS?

- WPM -WordPress in Paranoid Mode
- https://github.com/elevenpaths
- Https://community.elevenpahts.com

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