You Just Launched Your WordPress Site.

NOW WHAT?

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at NeatlyPressed and Materiell

@neatlypressed

Materiell

2011

Design and develop WordPress websites for enterprise, government, and education clients.

2017

We recognized our client’s needs for maintenance and support services and NeatlyPressed was born!

@neatlypressed

LAUNCHING YOUR WORDPRESS SITE IS ALWAYS EXCITING.

@neatlypressed

JOB'S NOT OVER

Wait, what?

Development?

~2-3 MONTHS

Maintenance?

FOREVER!

SECURITY.

UPDATES.

BACKUPS.

FIRST SECURITY

Pick a Security Tool That's Right For You

OBVIOUS TIP

PREVENT ISSUES

…from happening in the first place…

RECOMMENDATION

MANAGED WORDPRESS HOSTS

SERVER-SIDE SECURITY

WordPress-specific web application firewalls

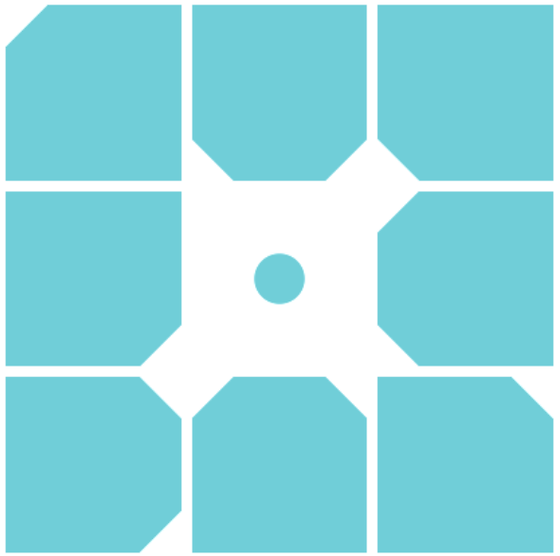
proactive threat detection and malware scans

resource isolation

rate limiting

+

HOSTS



WPENGINE

PANTHEON

PAGELY

Pantheon Security \

Relentless, around the clock commitment to website security

Pantheon's platform is built for agencies and organizations who don't compromise on website security. We protect your Drupal and WordPress sites with secure infrastructure, carefully configured access to resources, and best practices around data safety and retention.

The platform provides:

- Container-based infrastructure
- One-click core updates
- Denial of service protection
- Automated security monitoring
- Network intrusion protection
- HTTPS with custom certificate
- SAML/SSO/2FA
- Role-based change management
- Automated backup and retention
- Secure code and database access
- Secure integration to resources
- Secure datacenters

WHEN FEASIBLE

IMPLEMENT SERVER-SIDE SECURITY

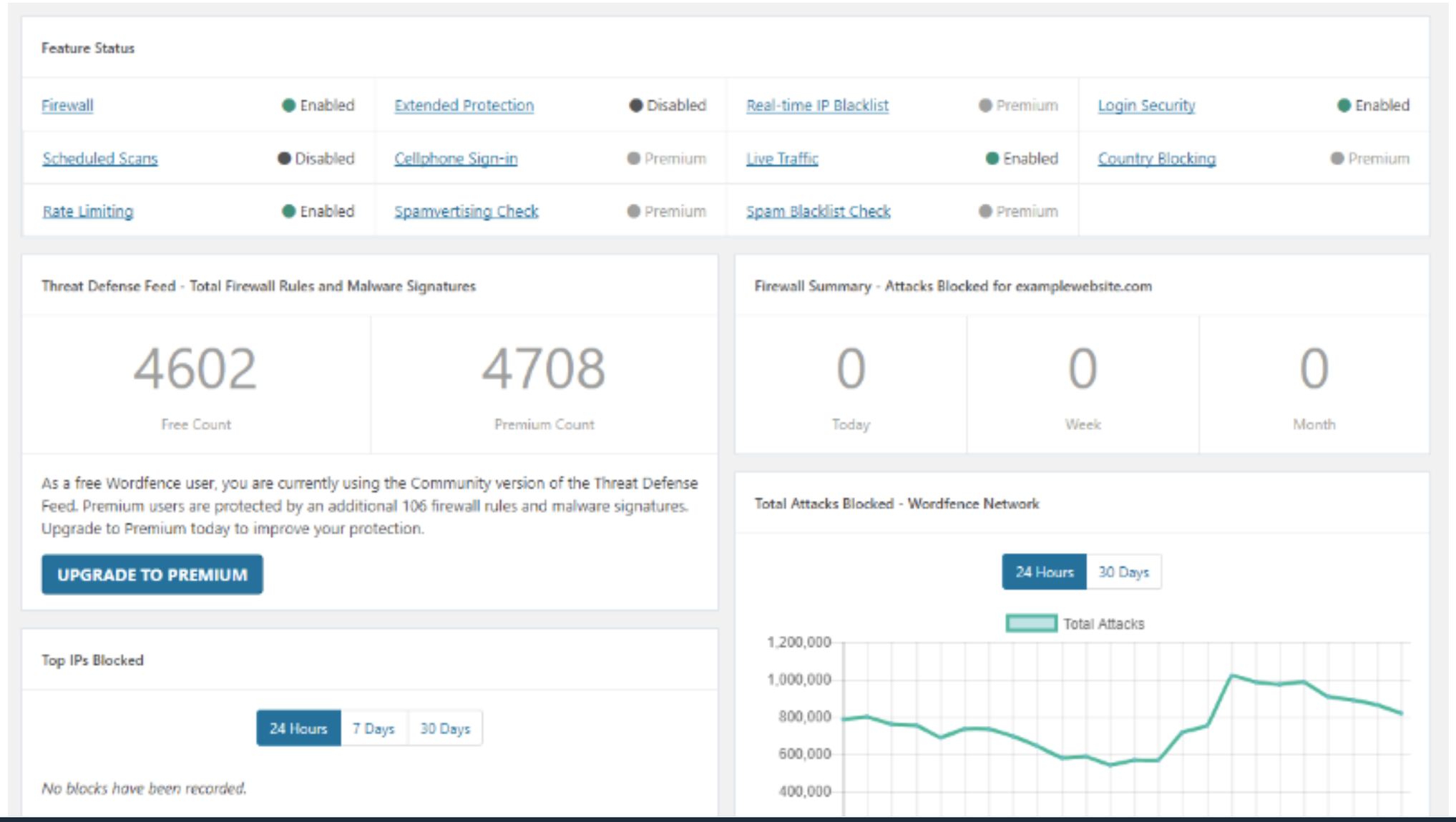
OTHERWISE

WORDPRESS SECURITY PLUGIN

RECOMMENDATIONS

TIGHT BUDGET?

WordFence offers firewalls in its free version.



THINGS GO WRONG

YEAH, IT HAPPENS

…so have a plan in place…

EVERYBODY HAS A PLAN *UNTIL THEY GET PUNCHED IN THE MOUTH.*

MIKE TYSON

ALWAYS TRUE

SECURITY BREACHES ARE STRESSFUL

HAVING A PLAN

HELPS MAKE RIGHT DESICISIONS

GOOD APPROACH?

1

MAINTENANCE MODE

to prevent damage to your brand.

2

RESTORE YOUR SITE

from a recent clean backup!

KNOW HOW TO

ENABLE MAINTENANCE MODE

…QUICKLY…

You can quickly ***manually trigger*** by ***uploading a file to the root*** folder of your site via FTP. All you need is a file named **.maintenance**

CONTAINING THIS LINE OF CODE

```
<?php $upgrading = time();?>
```

VISITORS SEE

“Briefly unavailable for scheduled maintenance. Check back in a minute.”

CUSTOMIZE MESSAGE

Upload a file named **maintenance.php** to your **…/wp-content** root folder

KNOW HOW TO

RESTORE SITE FROM BACKUP

…and test backups…

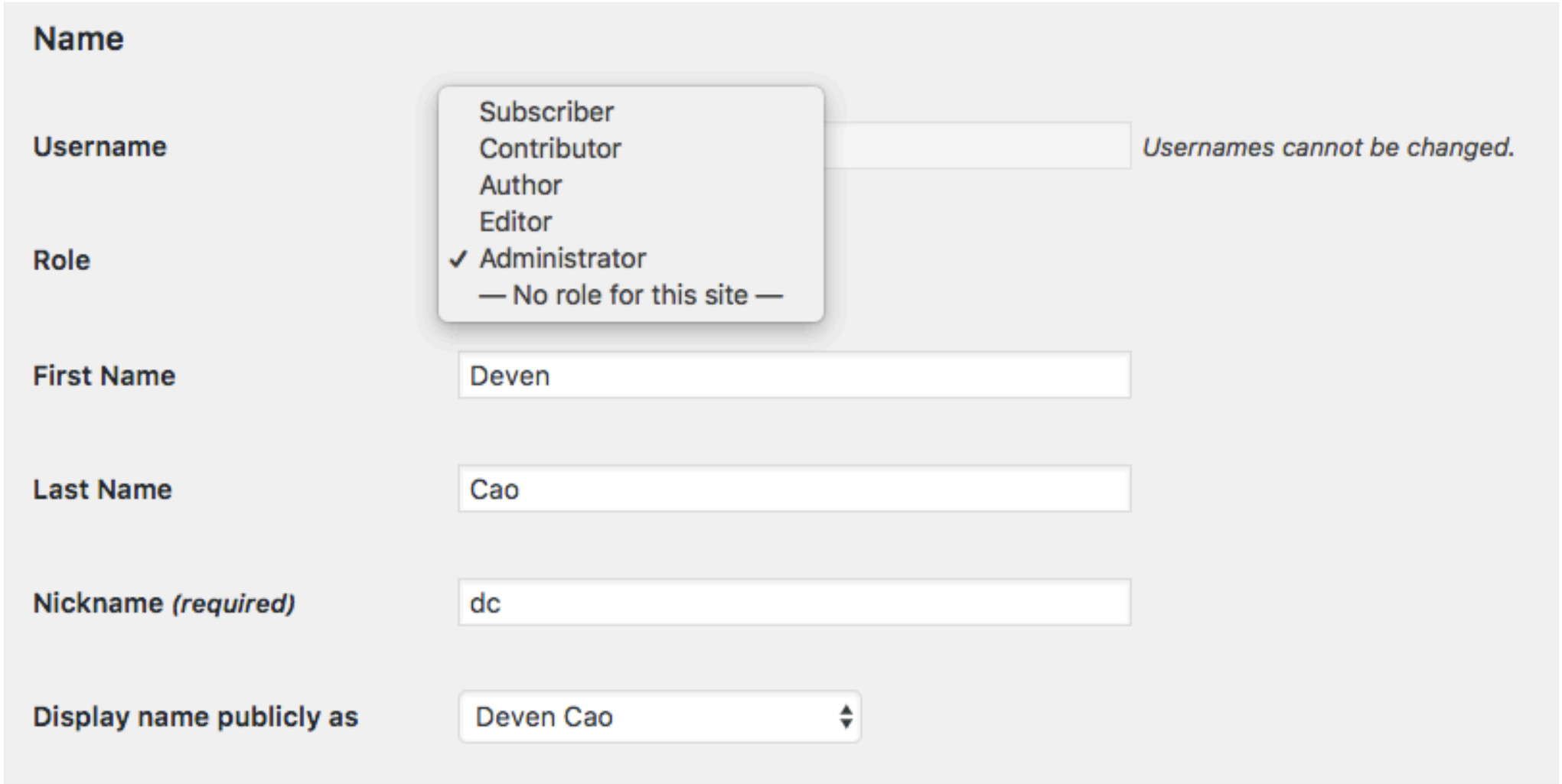
LIVE BY

THE LEAST PRIVILEGE PRINCIPLE

“Only give a user
or tool as ***little*** access
as it needs to do its job.”

USER PERMISSIONS

Only give them what they need.



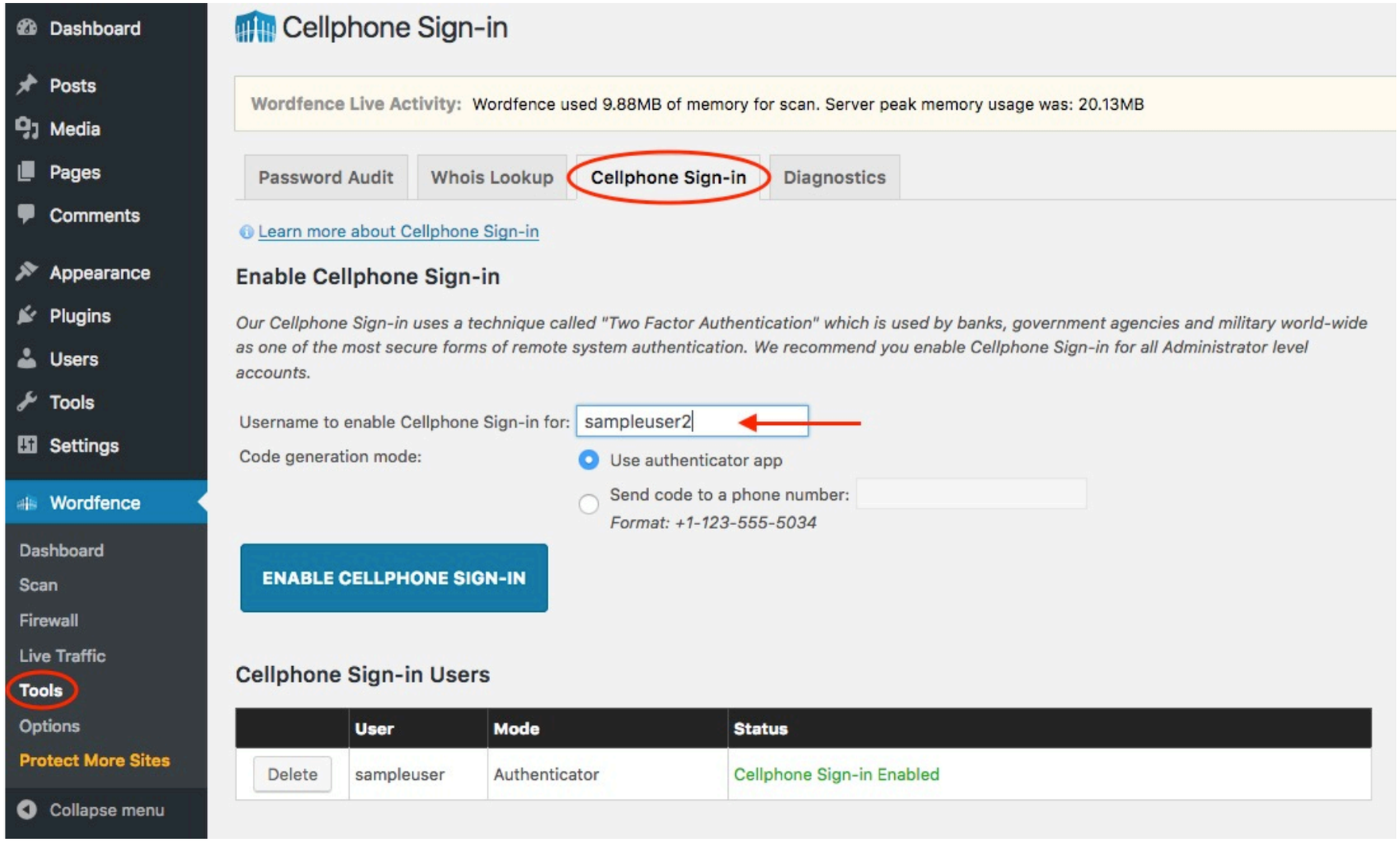
CONSIDER

TWO-FACTOR AUTHENTICATION

…a technique used by government agencies, banks and military institutions…

TWO-FACTOR AUTHENTICATION

Relies on something you know and something in your possession.



TRACK CHANGE & ACTIVITY

SECURITY AUDIT LOG

SECURITY AUDIT LOG

Figure out who broke it.

Audit Log Viewer

Show 10 ▾ Items — 149 items « ‹ 2 of 15 › »

Code	Type	Date	Username	Source IP	Message
5006	!	2014-05-18 02:20:12 PM	kypri	127.0.0.1	Activated theme "**Independent Publisher**", installed in **C:\xampp\htdocswp/wp-content/themes/independent-publisher**
5005	!	2014-05-18 02:19:57 PM	kypri	127.0.0.1	Installed theme "**Independent Publisher**" in **C:\xampp\htdocswp/wp-content/themes/independent-publisher**
2045	i	2014-05-18 02:19:03 PM	kypri	127.0.0.1	Moved the **meta-2** widget from **Primary Sidebar** to **Content Sidebar**
2044	!	2014-05-18 02:18:50 PM	kypri	127.0.0.1	Deleted the **archives** widget from **Primary Sidebar**
2043	!	2014-05-18 02:18:39 PM	kypri	127.0.0.1	Modified the **archives** widget in **Primary Sidebar**
2042	!	2014-05-18 02:18:24 PM	kypri	127.0.0.1	Added a new **archives** widget in **Primary Sidebar**
4002	!	2014-05-18 02:18:02 PM	admin	127.0.0.1	Changed the role of user **kypri** from **editor** to **administrator**
2041	i	2014-05-18 02:17:03 PM	kypri	127.0.0.1	Changed the date of custom post **testete** of type **movie** from **2014-05-18 14:16:29** to **2014-05-18 11:16:29**
2040	!	2014-05-18 02:16:50 PM	kypri	127.0.0.1	Changed the visibility of custom post **testete** of type **movie** from **Public** to **Password Protected**
2041	i	2014-05-18 02:16:29 PM	kypri	127.0.0.1	Changed the date of custom post **testete** of type **movie** from **2014-05-18 14:16:17** to **2014-05-18 14:16:29**
Code	Type	Date	Username	Source IP	Message

Show 10 ▾ Items — 149 items « ‹ 2 of 15 › »

CREATE A PLAN TO

MONITOR PERFORMANCE

because performance testing is an ongoing process.

EXAMPLE

-1 sec = +1%

LOAD TIME **CONVERSION RATE**

INTUIT

EXAMPLE

30% expects **<1sec**

USERS **PAGE TO LOAD**

AKAMAI

EXAMPLE

LOAD TIME

RANKING

GOOGLE

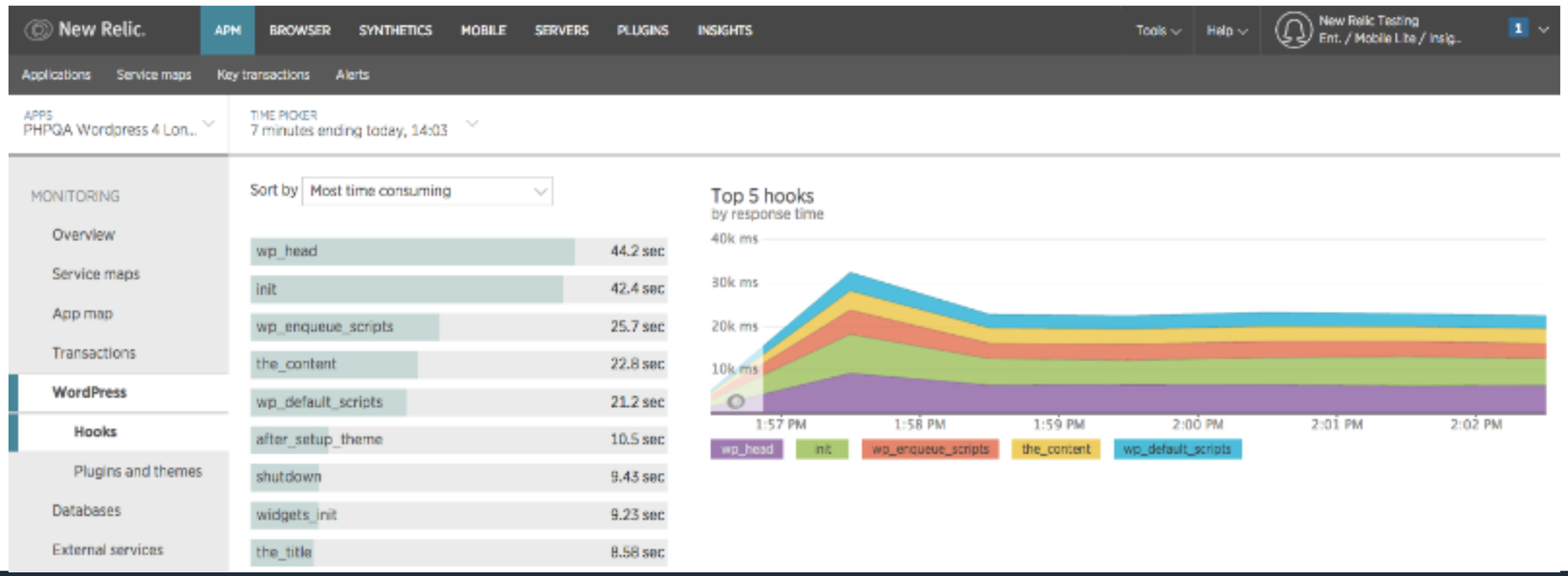
LOAD TIMES

pingdom

	Starter	Standard	MOST POPULAR Advanced	Professional
	$11.95 /mo	$37.00 /mo	$72.00 /mo	$199 /mo
	START FREE TRIAL	START FREE TRIAL	START FREE TRIAL	START FREE TRIAL
Uptime checks ? Monitor your website every minute from different locations and it counts as just one check.	10	50	80	250
Check interval	1 min	1 min	1 min	1 min
Public status page	✓	✓	✓	✓
Tags	✓	✓	✓	✓
Select test location	✓	✓	✓	✓
Threshold alerting	✗	✓	✓	✓
Multi user login ?	✗	✗	3 users	5 users
Invoice payment available	✗	✗	✗	✓
Advanced checks ? Check important page transactions or identify on the page what is fast, slow, too	1	3	5	25

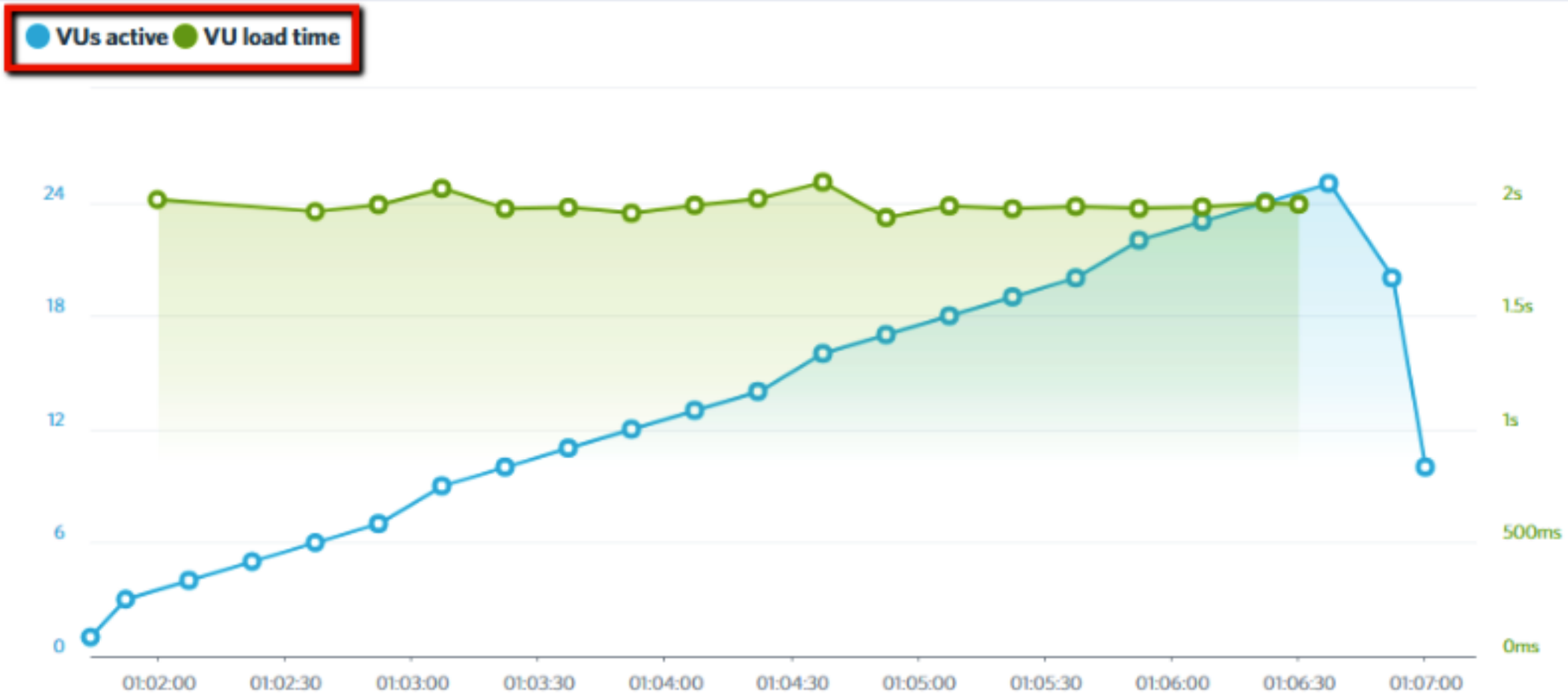
ENTERPRISE TESTING & OPTIMIZATION

New Relic®



STRESS & LOAD TESTING

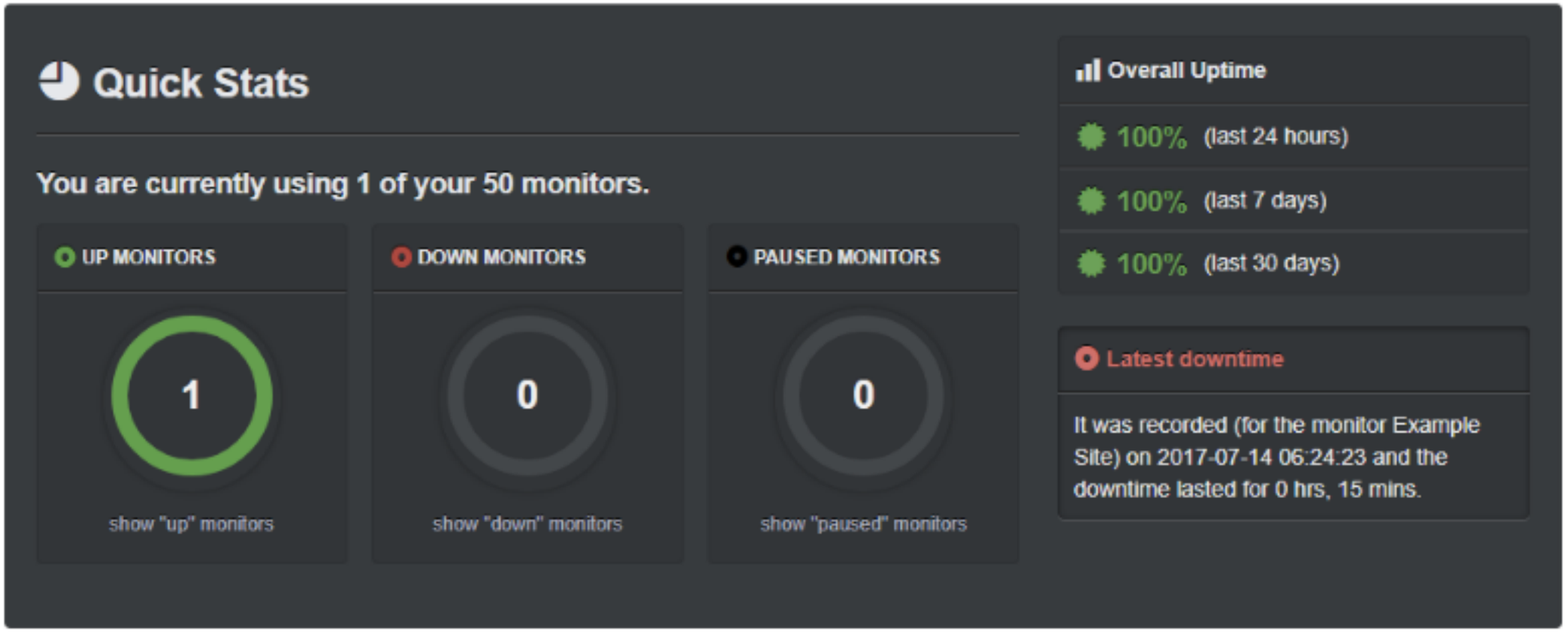
BlazeMeter



UPTIME MONITORING

UptimeRobot

pingdom



PROCESS FOR

SAFELY HANDLING UPDATES

UPDATES ARE AN ABSOLUTE NECESSITY

UPDATES CAN BREAK THINGS, HOWEVER SMALL

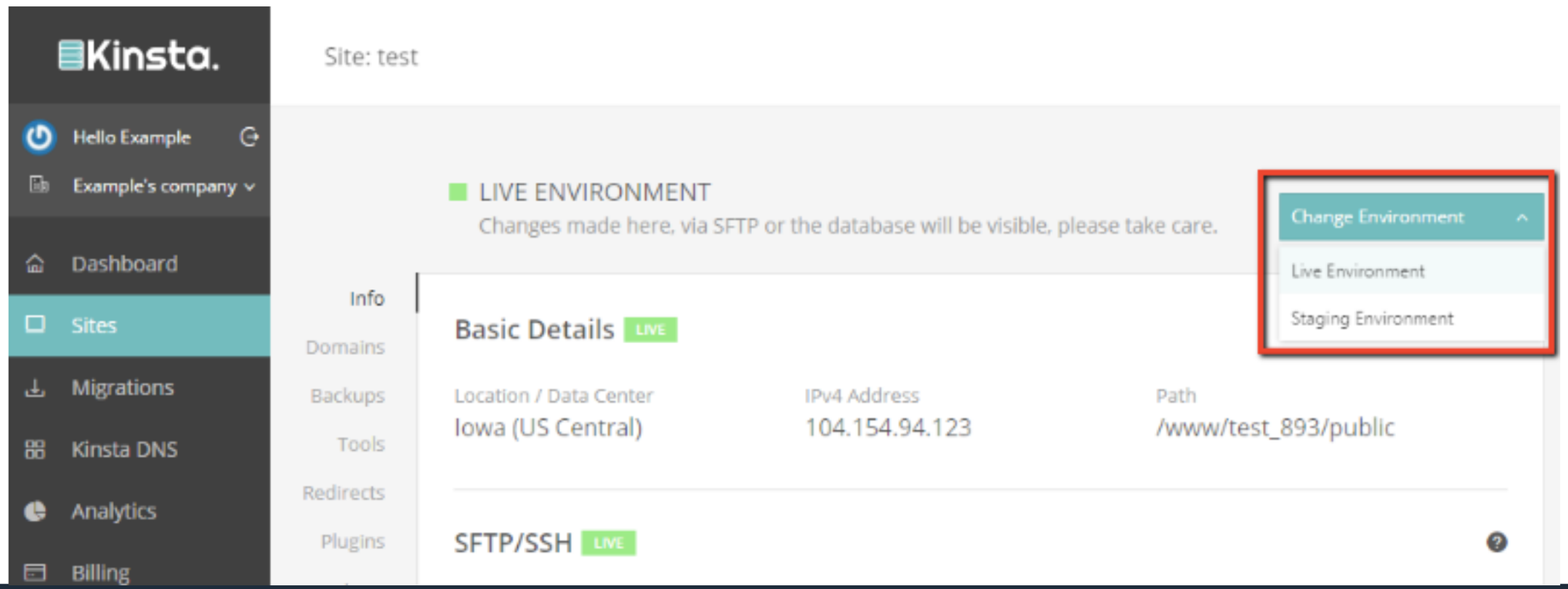
TEST UPDATES BEFORE GOING LIVE

USE A STAGING ENVIRONMENT

HOW DO YOU MAKE ONE?

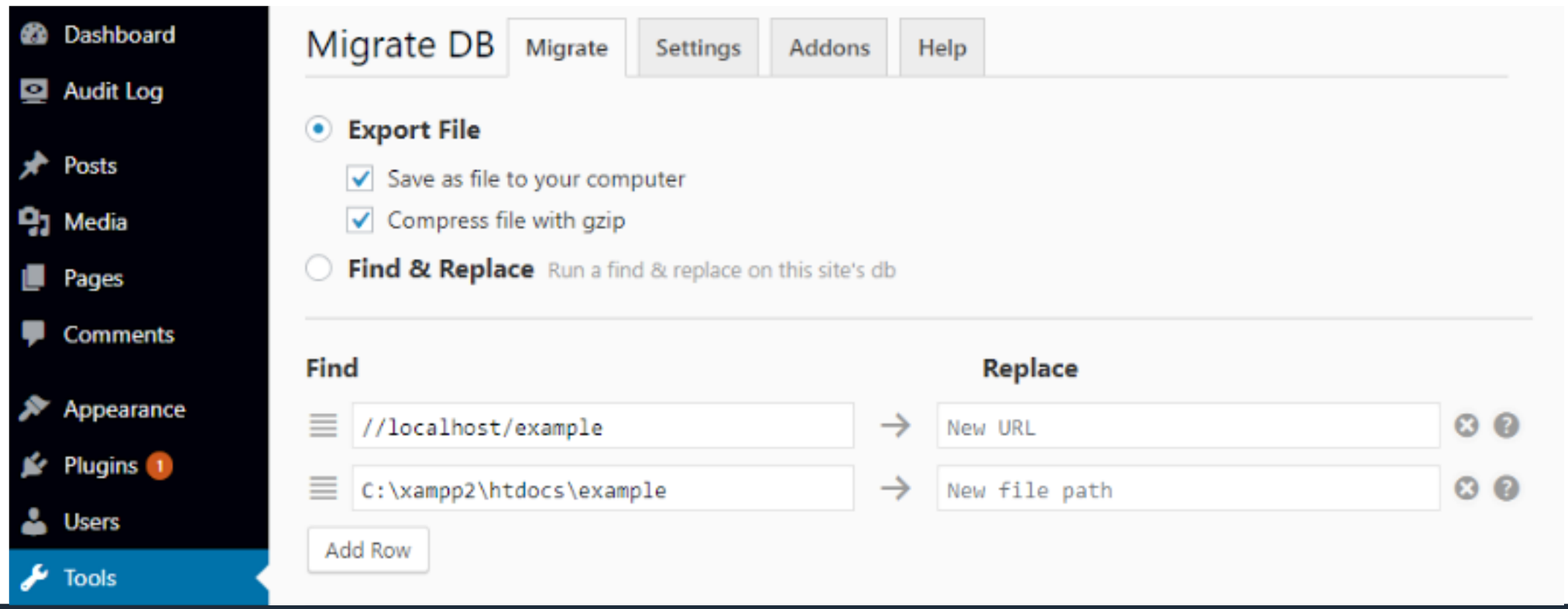
EASY AS PUSHING A BUTTON

The easiest way to get access to a staging site is to use a managed WordPress host that offers dedicated staging functionality.



CREATE YOUR OWN

*First, manually copy over your WordPress site's files. Then, use the **WP Migrate DB plugin** to properly clone your database and fix data serialization issues:*



READ CHANGELOGS

CATCH POTENTIAL ISSUES

before they happen!

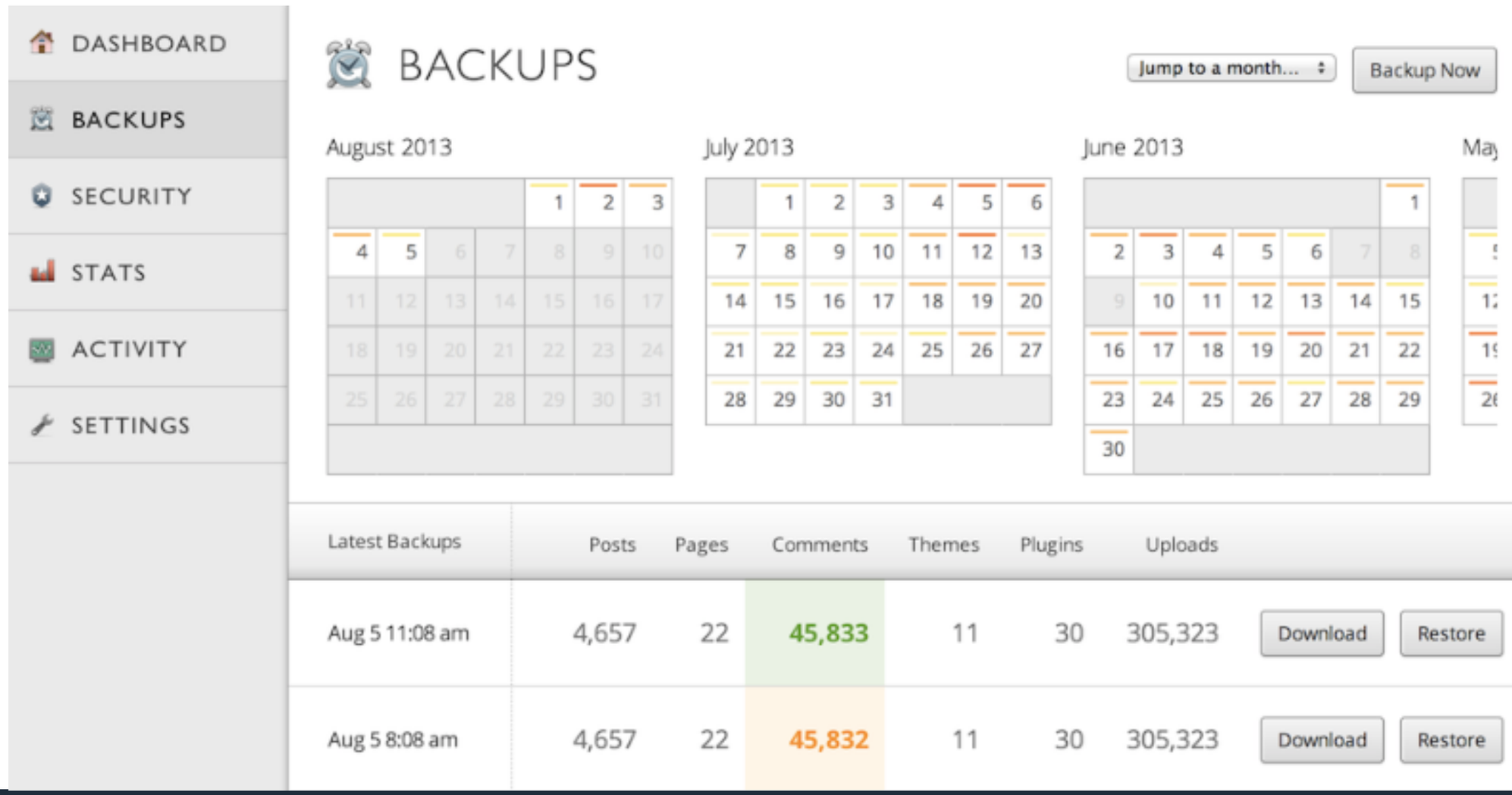
CREATE

TAKE REGULAR BACKUPS

…and make sure they work…

SOLID BACKUP PLUGIN OPTION

VaultPress



PRACTICE 3-2-1

SAFE BACKUP STORAGE

Keep a minimum of ***3*** copies of your data, including original

Keep your backups on at least ***2*** different media

Store at least ***1*** backup offsite, e.g. in a cloud environment

1 oz of Prevention

= 1 lb Of Cure

QUESTIONS?

THANK YOU!

@jeremyenglert

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