

# Report

## Notes

- For **web** instances I use UserData script. I can't use Ansible here because of dynamically spawning in an auto-scale group. UserData does next:
  - mount efs
  - enable Apache
  - setup and enable CloudWatch Agent
- All main settings and creds have to be in `infrastructure/terragrunt/dev/vars.tfvars`. These files were added to **gitignore**.
- AMI contains all dependencies needed for WordPress instances.
- In the task I should use Ansible to create AMI. But I create AMI with **packer** and it takes one command.
- Dashboard module isn't dynamic, so if an auto-scale group spawn a new instance dashboard do not add this one to metrics.

## Setup

### 1. AWS Console

1. Request domain in Route53
2. Sign certificate for that domain in Certificate Manager
3. In the SMM Parameter Store save passwords for DB and MySQL. Use these key names in [template](#) (**db\_password\_name** and **mysql\_password\_name**)

### 2. AMI

1. To generate fresh new AMI for project you need to go inside `ami` and run:  
`packer build .`

### 3. Create vars file

1. Inside `infrastructure/terragrunt/dev` create `vars.tfvars` with variables for infrastructure with [template](#).

### 4. Terragrunt deploy **first half**

1. Inside `infrastructure/terragrunt/dev` folder run next:  
`terragrunt run-all plan \`  
`--terragrunt-include-dir s3 \`  
`--terragrunt-include-dir vpc \`  
`--terragrunt-include-dir rds \`  
`--terragrunt-include-dir bastion \`  
`-var-file="$(pwd)/vars.tfvars"`

5. Add static files to bucket

6. Ansible

1. Inside `ansible` folder check if all instances accessible:

```
ansible -i inventory all -m ping
```

2. To deploy wordpress run next:

```
ansible-playbook -i inventory main.yaml
```

7. Terragrunt deploy **second half**

1. Inside `infrastructure/terragrunt/dev` folder run next:

```
terragrunt run-all plan \  
--terragrunt-include-dir app \  
--terragrunt-include-dir dashboard \  
-var-file="$(pwd)/vars.tfvars"
```

8. Now your wordpress site is **deployed** and **available**!

<https://it-syndicate-disablak.com/>

## Template vars.tfvars

```
project_name = "disablak"  
env = "dev"  
region = "us-east-1"  
public_key_name = "key-ssh-name"  
ami = "ami-0f2bc02e171999529"  
instance_type = "t2.micro"  
admin_ip = "255.255.255.255/32"  
dns_name = "it-syndicate-disablak.com"  
  
min_autoscale_size = 2  
max_autoscale_size = 4  
  
bucket_name_static_content = "disablak-static-content"  
bucket_name_log = "disablak-logs"  
  
db_name = "wordpress"  
db_user = "admin"  
db_password_name = "db_password"  
  
mysql_user = "admin"  
mysql_password_name = "mysql_password"
```

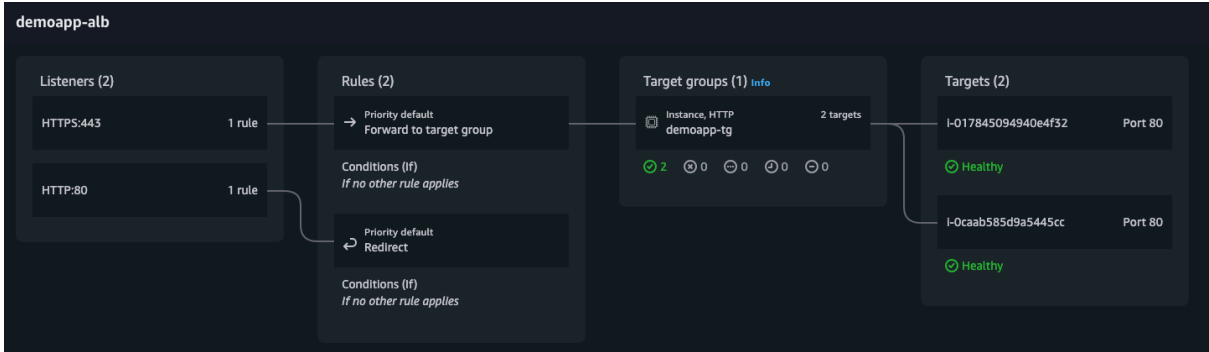
# Infrastructure screenshots

Instances (3) Info

Find Instance by attribute or tag (case-sensitive)

All states

<input type="checkbox"/>	Name	Instance ID	Instance state	Instanc...	Status check	Alarm status	Availabili...	Public IPv4 DNS	Public IPv4 ...	Private IP address
<input type="checkbox"/>	web	i-049ae457bd0c5d43b	Running	t2.micro	2/2 checks p...	View alarms +	us-east-1b	-	-	10.0.102.63
<input type="checkbox"/>	bastion	i-04f03602a4ecbd58b	Running	t2.micro	2/2 checks p...	View alarms +	us-east-1a	ec2-107-21-61-237.co...	107.21.61.237	10.0.1.52
<input type="checkbox"/>	web	i-0bc28dbbf954268c	Running	t2.micro	2/2 checks p...	View alarms +	us-east-1a	-	-	10.0.101.100



Log groups (4)

By default, we only load up to 10000 log groups.

Filter log groups or try pattern search

Exact match

<input type="checkbox"/>	Log group	Log class	Anomaly detection
<input type="checkbox"/>	<a href="#">/aws/ec2/apache-access</a>	Standard	<a href="#">Configure</a>
<input type="checkbox"/>	<a href="#">/aws/ec2/apache-error</a>	Standard	<a href="#">Configure</a>
<input type="checkbox"/>	<a href="#">/aws/route53/querylogs</a>	Standard	<a href="#">Configure</a>
<input type="checkbox"/>	<a href="#">/aws/vpc/flowlogs</a>	Standard	<a href="#">Configure</a>

E14DHMAKLDELD4 Standard

General

Security

Origins

Behaviors

Error pages

Invalidations

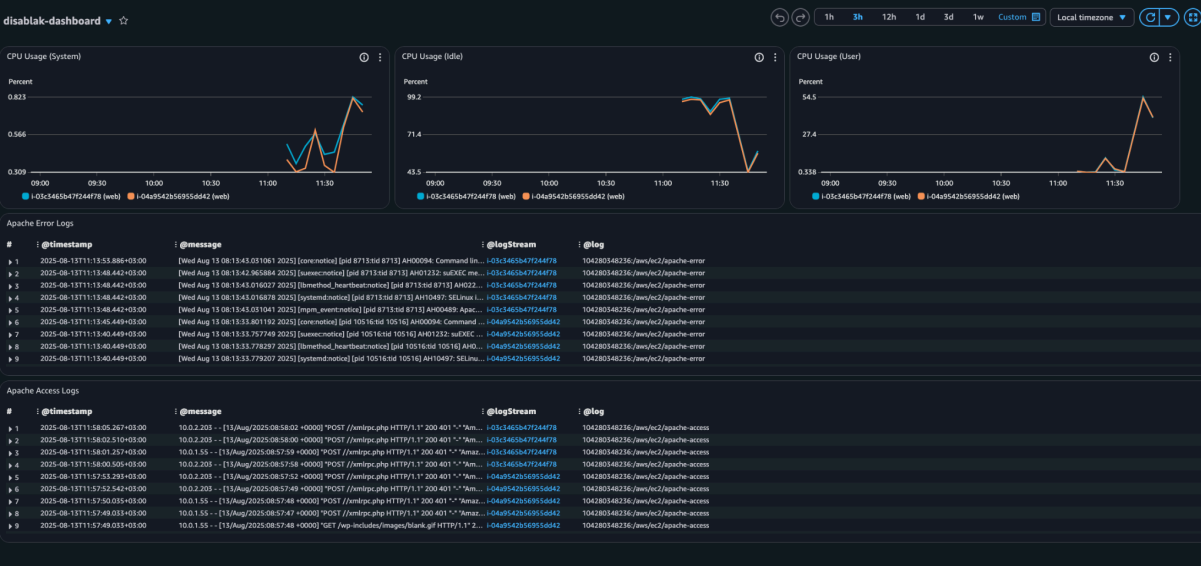
Tags

Logging

Behaviors

Filter behaviors by property or value

	Preced...	Path pattern	Origin or origin group	Viewer protocol policy
<input type="radio"/>	0	wp-content/*	S3-disablak-static-content	Redirect HTTP to HTTPS
<input type="radio"/>	1	wp-includes/*	S3-disablak-static-content	Redirect HTTP to HTTPS
<input type="radio"/>	2	Default (*)	ALB-tf-lb-2025081115042879150...	Redirect HTTP to HTTPS



### Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

#### Information needed

Please provide the following information. Do not worry, you can always change these settings later.

Site Title

Username

Username can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password

Z\*5&u)0Wszu7nKH)^

Strong

Hide

Important: You will need this password to log in. Please store it in a secure location.

Your Email

Double-check your email address before continuing.

Search engine visibility

☐ Discourage search engines from indexing this site

It is up to search engines to honor this request.

Install WordPress

### Success!

WordPress has been installed. Thank you, and enjoy!

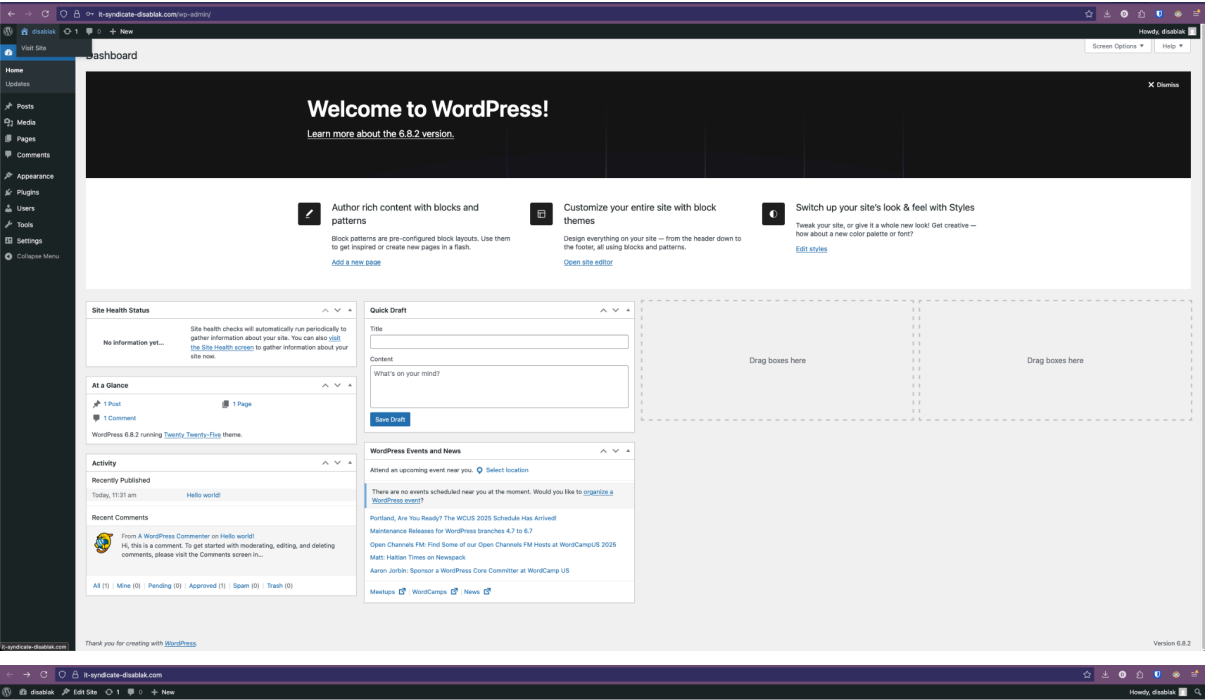
Username

disablak

Password

Your chosen password.

Log In



disablak

Sample Page

## Blog

### Hello IT-Syndicate!

It'd like to join you!

August 13, 2025

disablak

Blog  
About  
FAQs  
Authors  
Events  
Shop  
Patterns  
Themes

Twenty Twenty-Five

Designed with WordPress