

- Summarize a few key points made in the video.
 - Each AWS zone has multiple data center buildings
 - 270+ instance types available to use (2019)
 - AWS is a cloud leader vs microsoft and google
 - M5 instances are good for heavy lifting
 - T3 instances are good for something that doesn't require sustained performance
 - A1 instances good for keeping costs low
 - EC2 has something for almost everything
 - 22 regions across the world with 69 availability zones (2019)
 - Sometimes it's cheaper to buy everything, when you have a steady-state workload, it won't cost you extra if you need something.
- Identify two interesting quotes that were made.
 - I found it extremely interesting to see the max amount of computing from 2006 to 2019, amazing how we went from less than 2gb of ram to 24tb
 - I liked how he talked about Load Balancing, it's something that I've been asked to look into at work. Currently we do not use cloud hosting, and we are set up locally, and it was brought up last year that we should look into a load balancing solution.
- What new facts did you learn from watching this video.
 - The instance type names have a meaning, M5d.xlarge is an instance type from the M family, 5th generation with xtra large sizing
- What was the best part of the video? Why?
 - I enjoyed the video, and how the speaker explained the core features of EC2, and how it has evolved over the years.
- What questions remain in your mind after watching the video? Why?
 - I would like to know more about the load balancing of EC2 instances

<http://ec2-34-227-16-151.compute-1.amazonaws.com/>

aws

Services

Search

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Lightsail

EC2

New EC2 Experience

Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Limits

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Instances (1) Info

Refresh

Connect

Instance state

Actions

Launch instances

Find instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm sta
<input type="checkbox"/>	EC2 WordPress Demo	i-0caff6e4871078098	Running	t2.micro	2/2 checks passed	No alarm

Select an instance

←

↻

⚠ Not secure

ec2-34-227-16-151.compute-1.amazonaws.com/wp-admin/

🔍

🌐

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⚙

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TwitchInbox (398) - jason...TwitterPetsterGaming AppAmazon.com: Onlin...CheapDigitalDown...GamesWebDevWorkBAL BIS>Other favorites

🔖 User's blog🔖 1💬 0➕ New

Howdy, user

Screen Options▼Help▼

Dashboard

Home

Updates 1

Jetpack

Posts

Media

Pages

Comments

Appearance

Plugins 1

Users


Tools

Settings

Collapse menu

Welcome to WordPress!


[Learn more about the 6.2.2 version.](#)



Author rich content with blocks and patterns

Block patterns are pre-configured block layouts. Use them to get inspired or create new pages in a flash.


[Add a new page](#)



Customize your entire site with block themes


Design everything on your site — from the header down to the footer, all using blocks and patterns.

[Open site editor](#)




Switch up your site's look & feel with Styles

Tweak your site, or give it a whole new look! Get creative — how about a new color palette or font?



You're almost done. Set up Jetpack to enable powerful security and performance tools for WordPress.



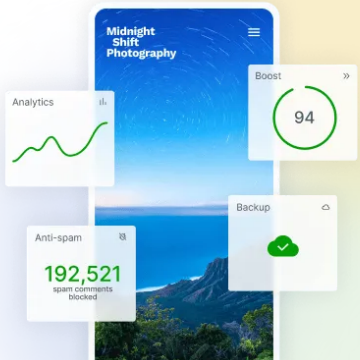
Simplify your site security and performance with Jetpack

Jetpack provides easy-to-use, comprehensive WordPress site security and backups, so you can focus on running your business.

Jetpack's performance features make your site lightning-fast, while also improving your SEO and giving your visitors a better experience.

By clicking the **Set up Jetpack** button, you agree to our [Terms of Service](#) and to [share details](#) with WordPress.com.

Set up Jetpack



Midnight Shift Photography

Analytics

Boost 94

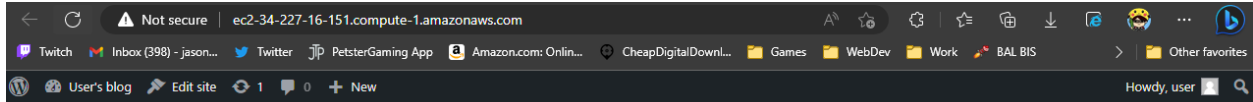
Anti-spam 192,521 spam comments blocked

Backup

Dashboard

Site Health Status ^ v ▲

Quick Draft ^ v ▲



User's blog

Sample Page

Mindblown: a blog about philosophy.

Hello world!

Welcome to WordPress. This is your first post. Edit or delete it, then start writing!

May 31, 2023

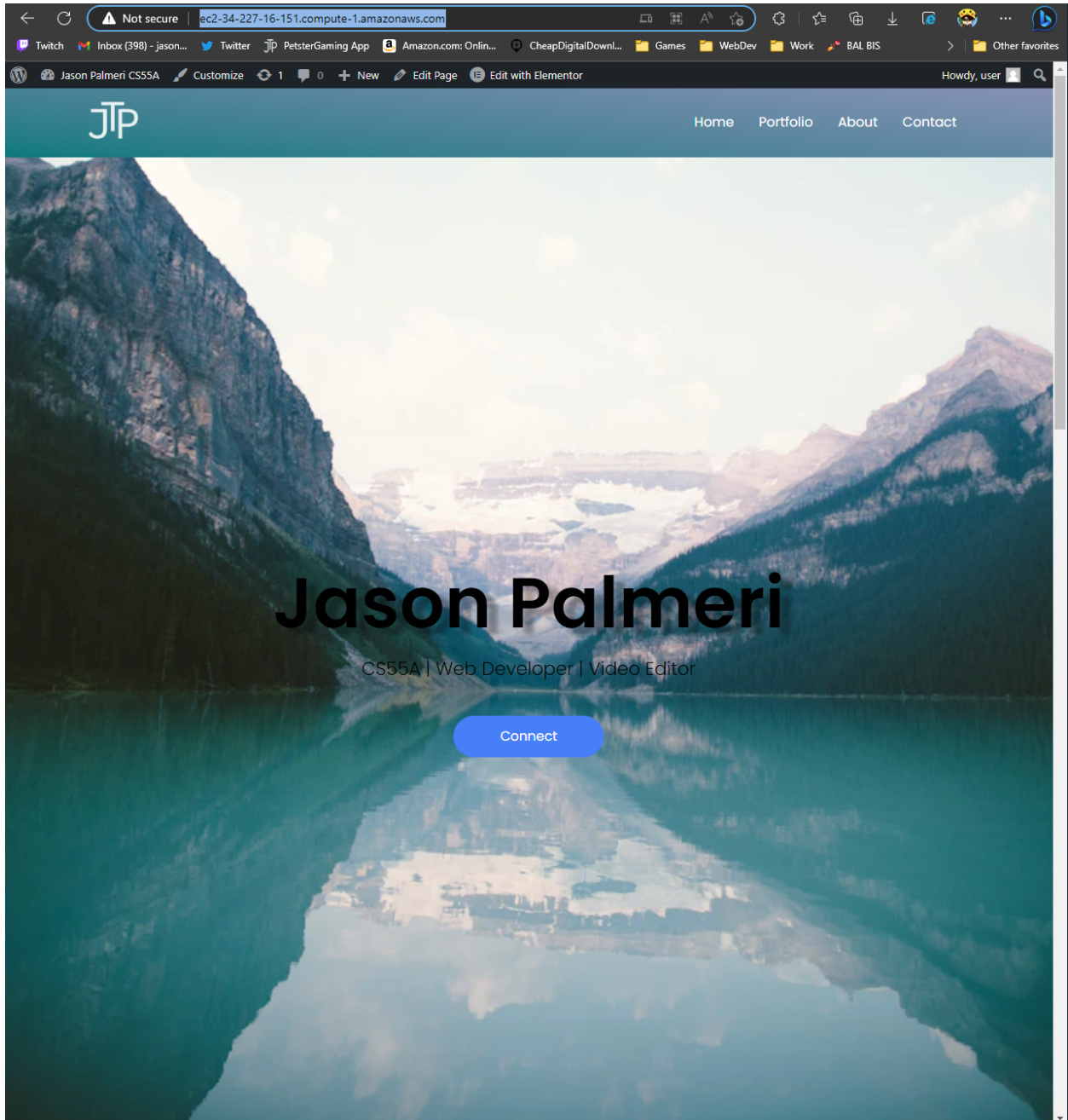
Got any book recommendations?

Get In Touch

User's blog

Proudly powered by [WordPress](#)

One of my first web gigs was to help keep a WordPress site updated, and just recently I helped someone do a redesign of their WordPress site, so this wasn't new for me, but I went ahead and downloaded Elementor, which is a plugin to help with design and changed the site to a portfolio look



EC2 > Launch templates > Launch instance from template

Launch instance from template

Launching from a template allows you to launch from an instance configuration that you would have saved in the past. These saved configurations can be reused and shared with other users to standardize launches across an organisation.

Choose a launch template

Source template

Module_10_Extra_Credit
ID: lt-0c52b2bd0d28a2354

▼

↻

Source template version

1 (Default)
Elementor Portfolio

▼

↻

▼ Summary

Number of instances [Info](#)

1

Software Image (AMI)

This image may not be the late...[read more](#)
ami-0d5627e38262b3304

Virtual server type (instance type)

t2.medium

Firewall (security group)

WordPress Certified by Bitnami and Automattic-6.2.2-5-r05 on Debian 11-AutogenByAWSMP--1

Storage (volumes)

1 volume(s) - 10 GiB

aws

Services

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LightSail

EC2

EC2 > Launch templates > Launch instance from template

✓ Success

Successfully initiated launch of instance (i-0478c60190eb1f533)

▶ Launch log

Next steps

Get notified of estimated charges

[Create billing alerts](#) to get an email notification when estimated charges on your AWS bill exceed an amount you define.

For example, you can create a billing alert for when you exceed the free usage tier.

Connect to your instance

Your instance is launching. It might take a few minutes for it to reach the running state and to become ready for use. To monitor the instance's state, choose [View all instances](#). When the instances reach the running state, you can [connect to them](#) from the Instances screen.

View launch templates

Instances (2) [Info](#)

↻

Connect

Instance state ▼

Actions ▼

Launch instances

▼

Find instance by attribute or tag (case-sensitive)

< 1 > ⚙

<input type="checkbox"/>	Name ▼	Instance ID	Instance state ▼	Instance type ▼	Status check	Alarm st
<input type="checkbox"/>	EC2 WordPress Demo	i-0478c60190eb1f533	✓ Running 🔍	t2.medium	⌚ Initializing	No alarm
<input type="checkbox"/>	EC2 WordPress Demo	i-0caff6e4871078098	✓ Running 🔍	t2.micro	✓ 2/2 checks passed	No alarm

<div> ✓ Successfully terminated i-0478c60190eb1f533 ✕ </div>							
Instances (1/2) Info <div> <div>↻</div> <div>Connect</div> <div>Instance state ▾</div> <div>Actions ▾</div> <div>Launch instances ▾</div> </div>			<input type="text" value="Find instance by attribute or tag (case-sensitive)"/> <div> <div>< 1 ></div> <div>⚙</div> </div>				
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<input checked="" type="checkbox"/>	EC2 WordPress Demo	i-0478c60190eb1f533	✓ Running 🔍 🔍	t2.medium	✓ 2/2 checks passed	No alarm	
<input type="checkbox"/>	EC2 WordPress Demo	i-0caff6e4871078098	✓ Running 🔍 🔍	t2.micro	✓ 2/2 checks passed	No alarm	

From this chart

Instance	vCPU*	CPU Credits / hour	Mem (GiB)	Storage	Network Performance
t2.nano	1	3	0.5	EBS-Only	Low
t2.micro	1	6	1	EBS-Only	Low to Moderate
t2.small	1	12	2	EBS-Only	Low to Moderate
t2.medium	2	24	4	EBS-Only	Low to Moderate
t2.large	2	36	8	EBS-Only	Low to Moderate
t2.xlarge	4	54	16	EBS-Only	Moderate
t2.2xlarge	8	81	32	EBS-Only	Moderate

We can see that a t2.medium includes a bit more computing power, which would explain the price difference

Total Upfront cost: 0.00 USD	t2.micro
Total Monthly cost: 8.47 USD	

Total Upfront cost: 0.00 USD	t2.medium
Total Monthly cost: 33.87 USD	

Obviously with larger computing power, comes with an increased price.