

Website Deployment with Wordpress *Without* Coding

Agenda

- Websites are built with code, but we can skip that with Wordpress!
- Creating your Wordpress blog (\$ free \$)
- Using Wordpress on www.wordpress.com (\$ free \$)
 - Creating Site Pages
 - Creating Blog Posts
 - Adding Media
 - Customizing your Site
- I'll briefly cover how to set up your website, but this'll be skipped (\$ costs money \$)
 - Creating a Custom Web Domain
 - Installing Wordpress on your Web Host Platform
- Customizing your website to your exact features! (\$ costs money \$)
 - This costs money, so I'll show you a demo with my sites

Websites are Built with Code, but We can Skip That!

Wordpress writes the code for you, so all you must focus on is the content of your website. If you're interested, you could check out the coding behind any website by inspecting the code like this:

- In Firefox: 1) open menu, 2) Web Developer, 3) Inspector
- In Chrome: 1)select customize, 2) More Tools, 3) Developer Tools

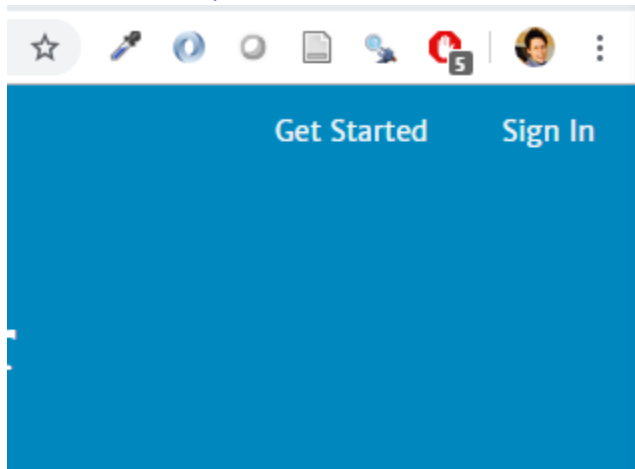
```
<!doctype html>
<html class="no-js" xmlns:fb="http://www.facebook.com/2008/fbml" xmlns:og="http://
/opengraph.org/schema/" xmlns:nc="http://namecheap.com/2010/schema">
  <head>...</head>
... <body class="login" cz-shortcut-listen="true" style="width: auto;"> == $0
  <!-- Google Tag Manager (noscript) -->
  <noscript>...</noscript>
  <!-- End Google Tag Manager (noscript) -->
  <form name="aspnetForm" method="post" action="." id="aspnetForm">...</form>
  <form id="clientForm" action></form>
  <script type="text/javascript">
    userAllowedScriptsProcessor.activateUserAllowedScripts();
  </script>
```

^Don't worry about that code. We'll be getting straight to making a website!

Creating Your Wordpress Blog

Wordpress.com is a simple platform for creating a website on *their* web domain. You won't have the flexibility of a custom web domain and altering themes unless you pay more ~\$5/month and/or obtain website hosting. My free website is <https://davidtutors.home.blog/> Here's how you'll be creating a free website!

- 1) Go to www.wordpress.com and select "Get Started" from the upper right



- 2) Sign up for your account. Sadly "daveisawesome" is not available as a username 😞



Let's get started.

Welcome to the best place for your WordPress website.

Your email address

daviqd.halvorsen@gmail.com

Choose a username

daveisawesome

! Sorry, that username already exists! If this is you [log in now](#).

Choose a password

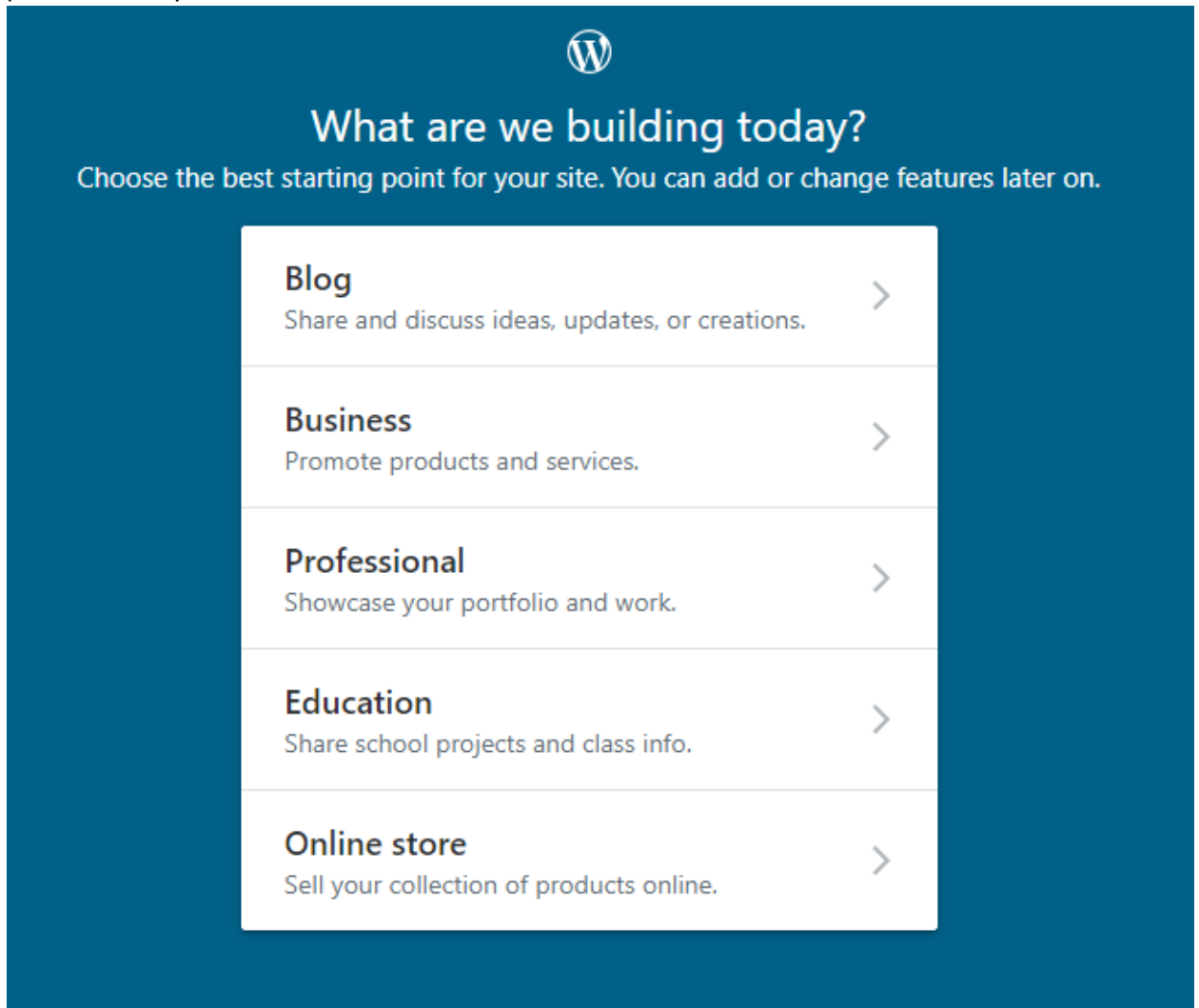
.....



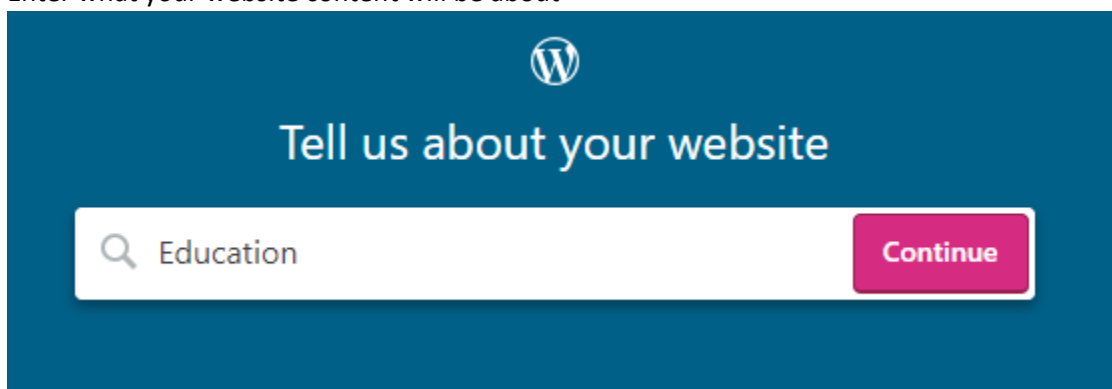
By creating an account via any of the options below, you agree to our [Terms of Service](#).

Create your account

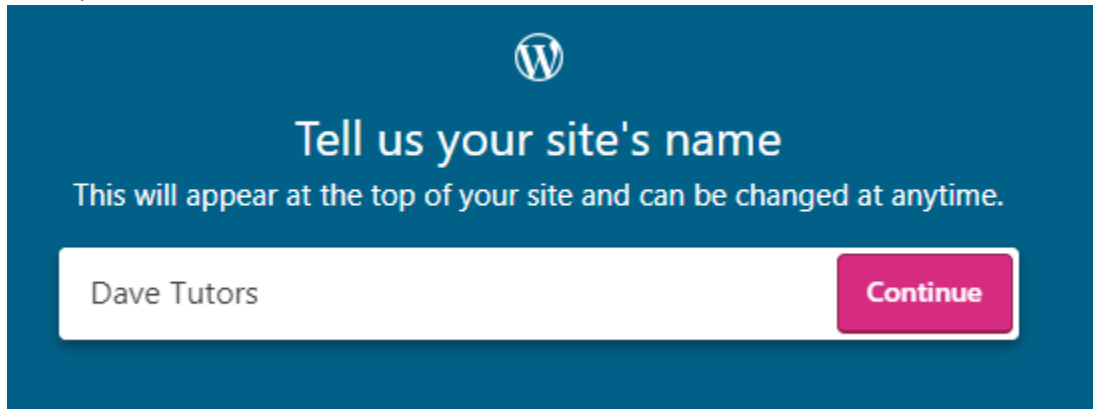
- 3) Select the type of website that you want to build. I'll be trying out "Professional", but you could pick whatever you'd like!



- 4) Enter what your website content will be about

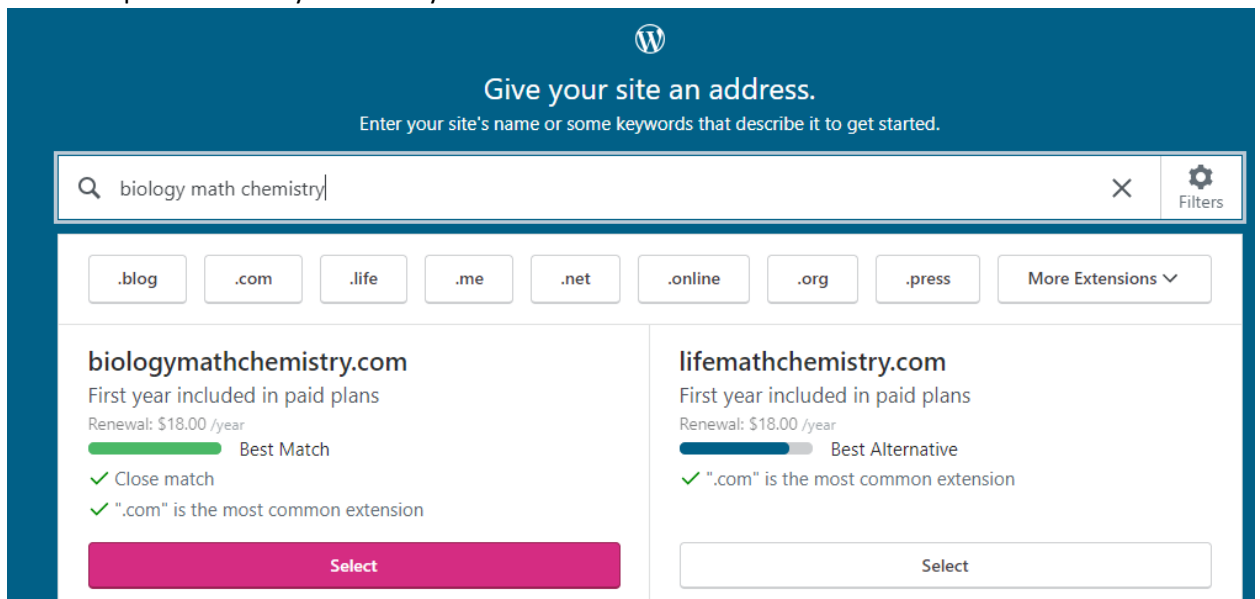


- 5) Enter your website name



The screenshot shows the WordPress installation screen titled "Tell us your site's name". It features the WordPress logo at the top. Below the title, a subtitle reads "This will appear at the top of your site and can be changed at anytime." A text input field contains the name "Dave Tutors", and a pink "Continue" button is to its right.

- 6) Tell Wordpress some keywords for your website

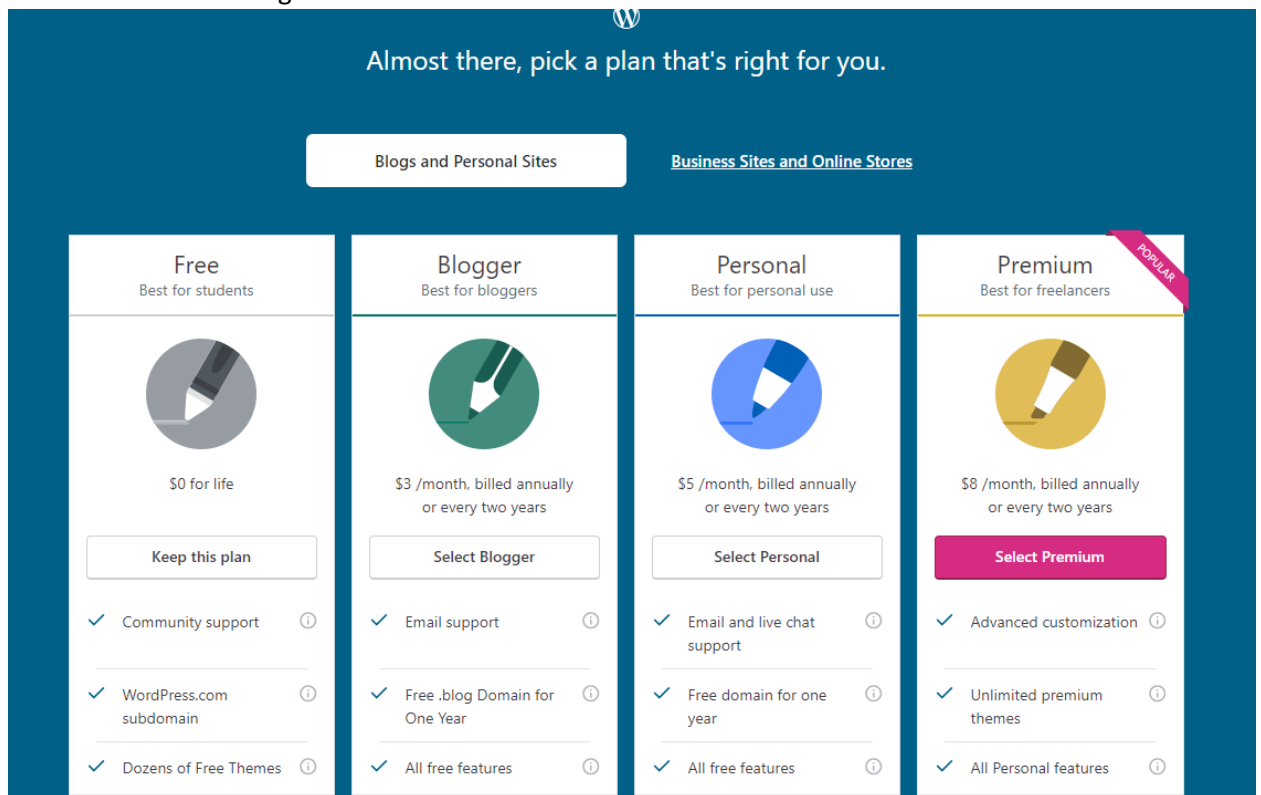


The screenshot shows the WordPress installation screen titled "Give your site an address." with the subtitle "Enter your site's name or some keywords that describe it to get started." A search bar contains the keywords "biology math chemistry". Below the search bar are buttons for domain extensions: ".blog", ".com", ".life", ".me", ".net", ".online", ".org", ".press", and "More Extensions". Two domain suggestions are shown side-by-side:

Domain	Match	Notes	Action
biologymathchemistry.com	Best Match	✓ Close match ✓ ".com" is the most common extension	Select
lifemathchemistry.com	Best Alternative	✓ ".com" is the most common extension	Select

- 7) ^They'll try to get you to buy a domain, BUT you don't need to! Choose the "Select" button
without the pink highlighting for the free version 😊

8) Choose the free hosting version

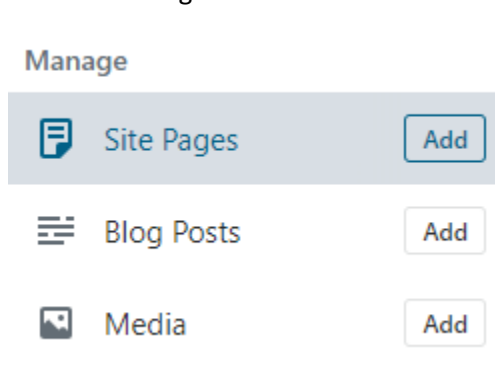


9) Confirm your email address (check your email account)

Using Wordpress on www.wordpress.com

Creating Site Pages

1) Select "Site Pages Add" on the left side



- 2) Enter the title and text that you'd like

this is a title!

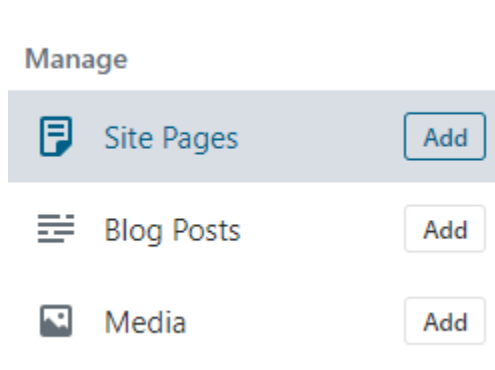
Here is the text!

- 3) Select "Publish" in the upper right

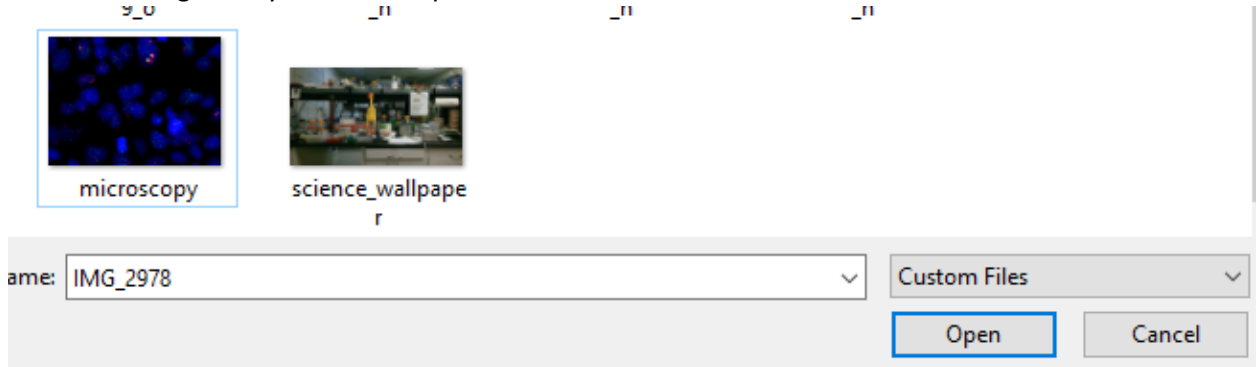
✓ Saved Preview Publish... ⚙️ ⋮

Adding Media

- 1) Select Media Add from the left side menu

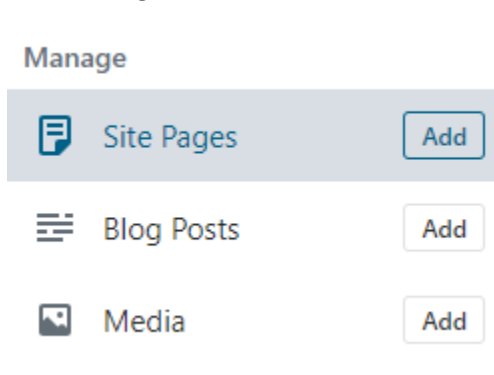


- 2) Select the image that you want to upload

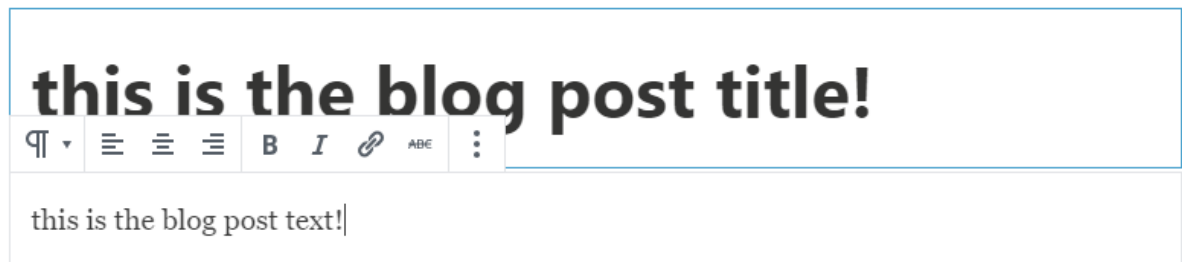


Creating Blog Posts

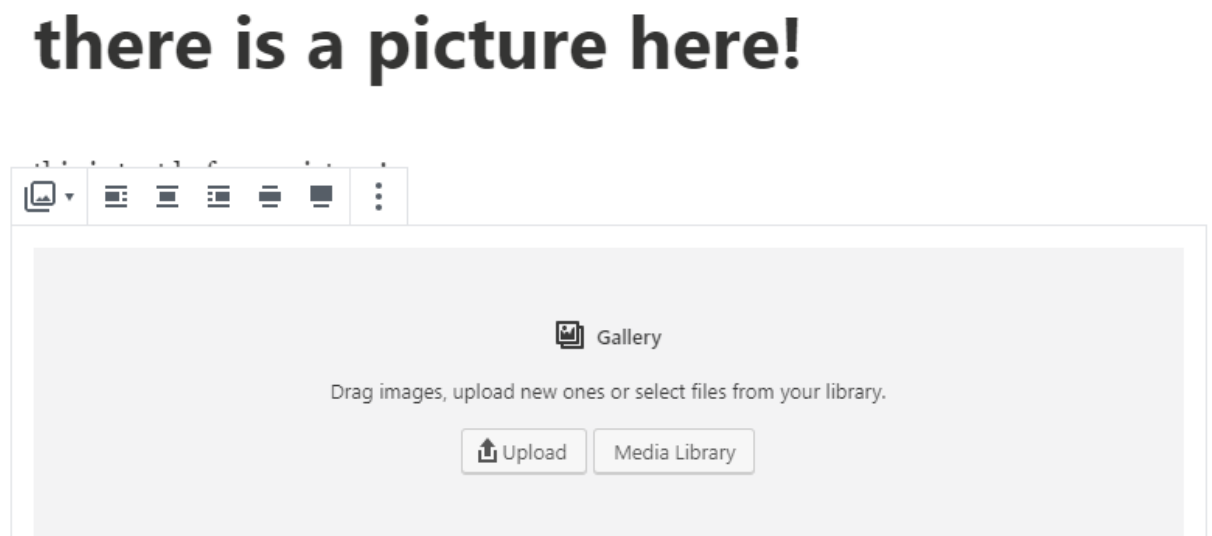
- 1) Select “Blog Posts Add” on the left



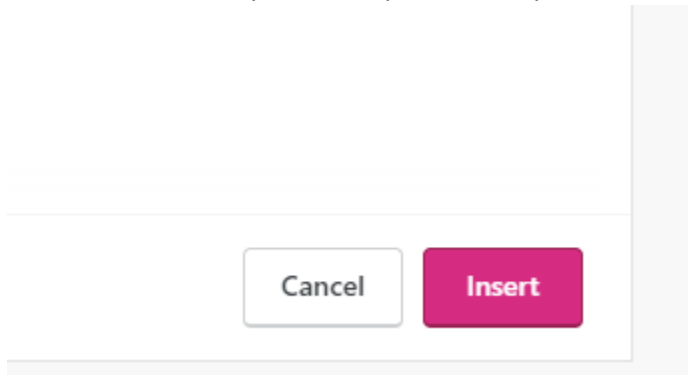
- 2) Enter the title and text that you would like



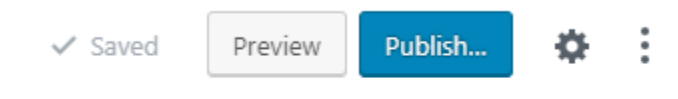
- 3) Mouse over a text block and a small image icon will appear. Select it! Sorry for not getting a picture of this.
- 4) Choose “Media Library” and then select your desired picture



- 5) Select “Insert” once you have a picture that you like

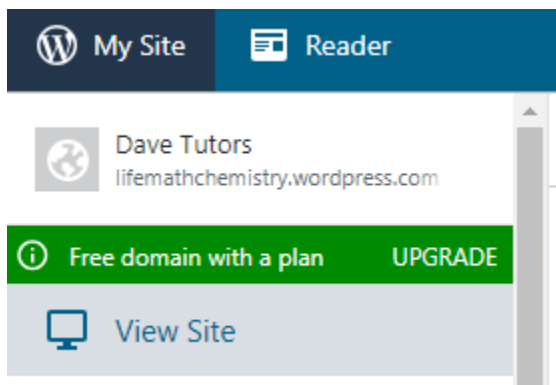


- 6) Select “Publish” in the upper right



Visiting Your Site

- 1) You can check out your site’s progress at any time by selecting “View Site” in the upper left.



2) Here is my site with the picture I added

Dave Tutors

[Home](#) [Contact](#) [test](#)

there is a picture here!

this is text before a picture!



Customizing your Site

Here are a variety of ways that you can customize your free site

1) Select "Customize"

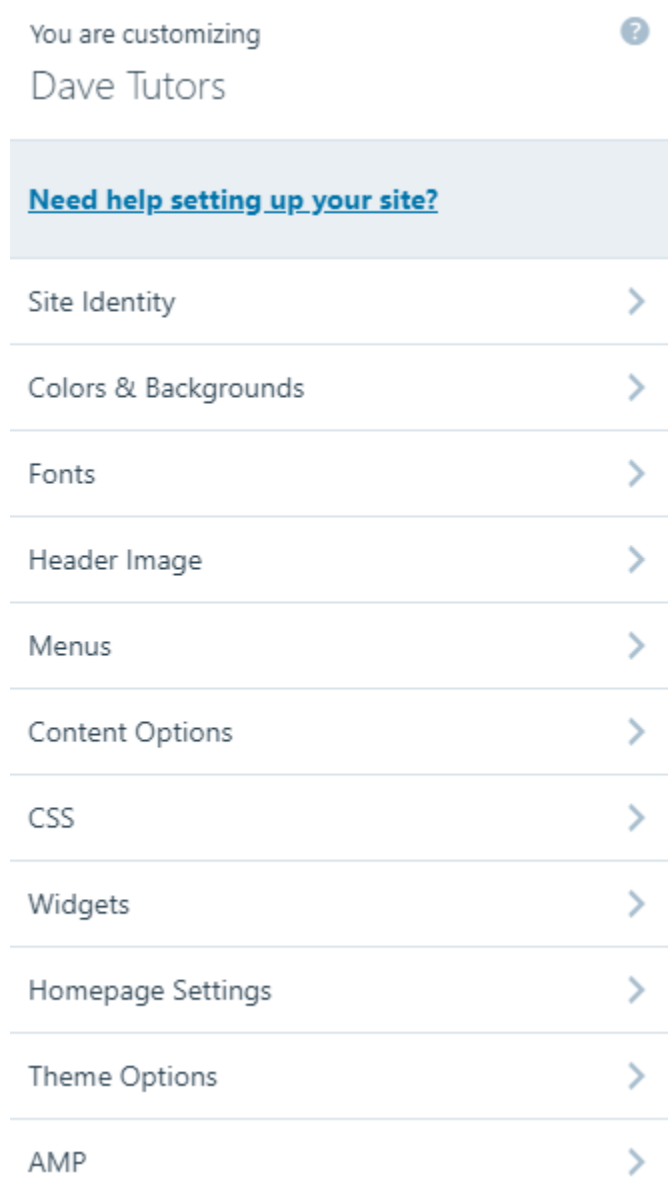
Personalize



Customize

Themes

- 2) Select “Menus” from the left side



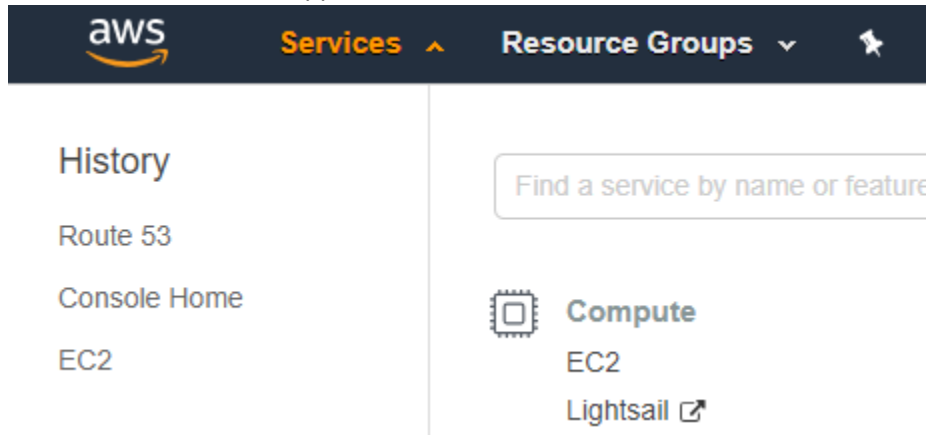
- 3) Select “Primary”
- 4) Select “+ Add Items” and pick one of the pages that you created
- 5) Select “Header Image” and change the header image
- 6) Try alternating the colors and backgrounds
- 7) Try changing the font

Creating a Custom Web Domain

A web domain is the address for a website. You could get a custom web domain by registering one with a web host. <https://www.namecheap.com/> Is a quick way of checking if your desired domain is available. If you’re lucky, www.{YOUR-NAME}.com is available. If it isn’t, you could select a different domain extension. For example, my blog is located at www.davehalvorsen.tech because I want to get a tech support job; there are *many* domain extensions to chose from.

Alternatively, you could think up of a website domain that suits your needs. My mom's website is www.rosiesadventures.com because she loves traveling the world. My friend Annika's website is www.yourmessmyproblem.com because she is a professional organizer. Here's how to register a domain with Amazon Web Services:

- 1) Select "Services" in the upper left



- 2) Scroll down to "Networking & Content Delivery" and select "Route 53"



- 3) Enter the domain that you want to search.

Choose a domain name

To register a domain name, start by finding one that's available. Enter the first part of the name (such as example in example.com), choose an extension (such as .com or .org), and click Check. We'll tell you whether it's available and whether you can get it with other extensions. [Learn more](#).

- 4) Look! www.davehalvorsenisawesome.com is available!

Choose a domain name

.com - \$12.00

Check

Availability for 'davehalvorsenisawesome.com'

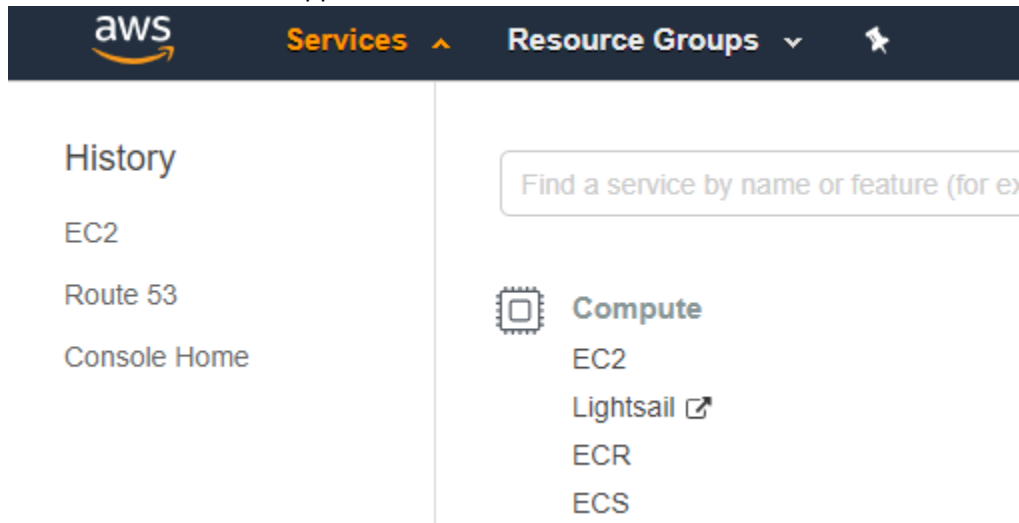
Domain Name	Status	Price /1 Year	Action
davehalvorsenisawesome.com	✓ Available	\$12.00	Add to cart

- 5) Follow the prompts to purchase the domain. I'll add a picture of this the next time I purchase a domain 😊

Installing Wordpress on your Web Host Platform

Your website needs to be hosted out there on the internet. I have selected Amazon Elastic Compute Cloud (EC2) because it is free for a whole year if you're a new user! EC2 allows you to rent a virtualized computer instance. In our case, we'll be renting a web hosting platform that we can run Wordpress on. This is the most complicated part of setting up a website. If you're nervous about it, come find me and I'll show you how to do it 😊

- 1) Select "Services" in the upper left



- 2) Select "EC2" from the "Compute" category (see the image above)

- 3) Select “Launch Instance” in the middle left of the EC2 page

Create Instance

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.



Note: Your instances will launch in the US West (N. California) region

Service Health

Service Status:

US West (N. California):



Availability Zone Status:



Scheduled Events

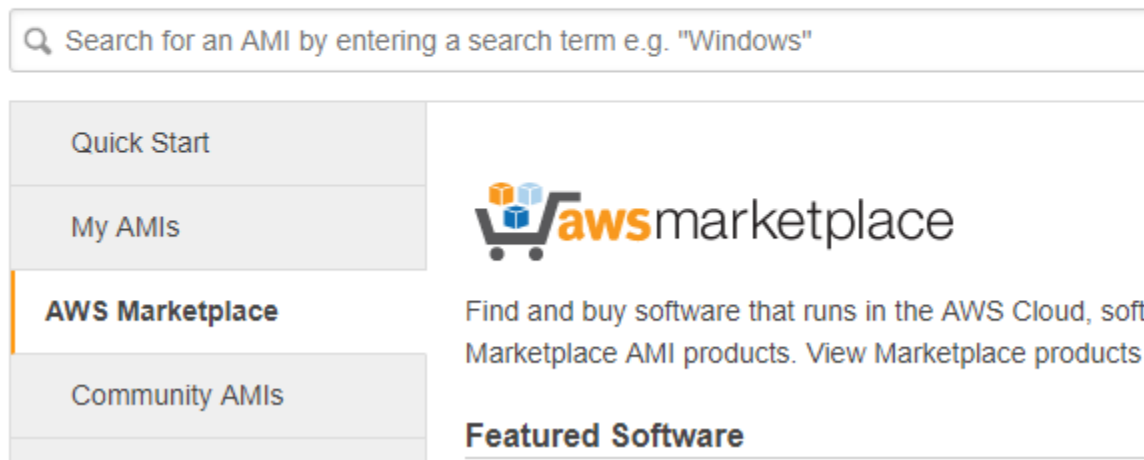
US West (N. California):

No events

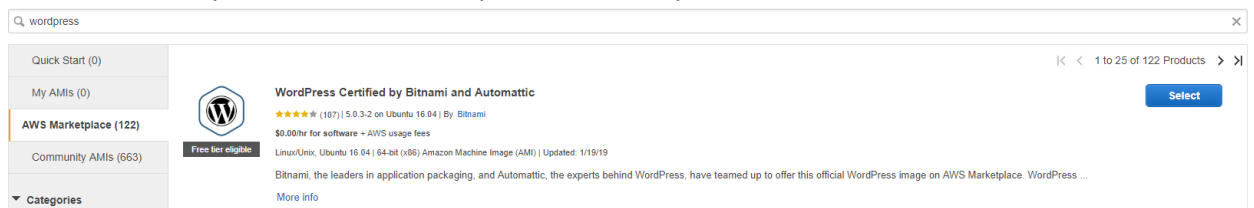
- 4) Select AWS Marketplace on the left

Step 1: Choose an Amazon Machine Image (AMI)

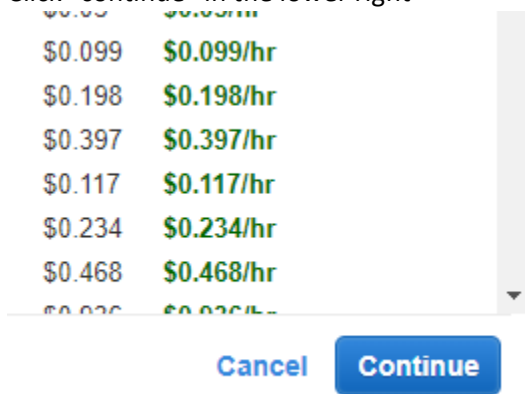
An AMI is a template that contains the software configuration (operating system, application, your own AMIs).



- 5) Search for “Wordpress” & Select “Wordpress Certified by Bitnami and Automattic”



- 6) Click “continue” in the lower right



- 7) Select the “t2.micro” tier of service. This one is free for new users!

Read the vendor recommendations using a standard instance (or larger) for the best experience with the product.

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only
<input checked="" type="checkbox"/>	General purpose	t2.micro Free tier eligible	1	1	EBS only

- 8) Select “Review and Launch”

	Yes	Up to 5 Gigabit	Yes
	Yes	Up to 5 Gigabit	Yes
	Yes	Up to 5 Gigabit	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

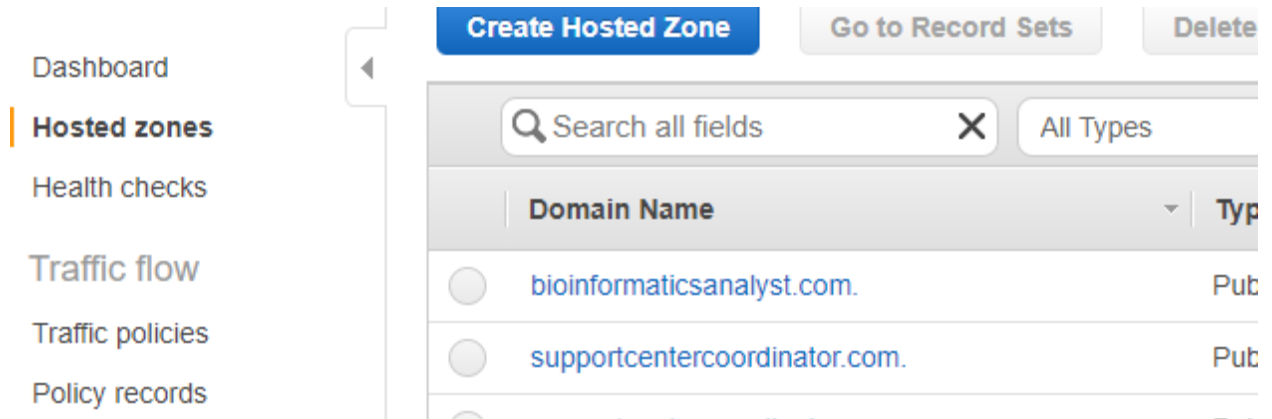
- 9) Identify the Public IPv4 IP Address for your Wordpress instance

A screenshot of the AWS console showing the details of an EC2 instance. The instance is named "dave_test" and is of type "t2.micro". The public IPv4 address is "13.52.177.45". The public DNS is "ec2-13-52-177-45.us-w...".

Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name
ec2-13-52-177-45.us-w...	13.52.177.45	-	dave_test

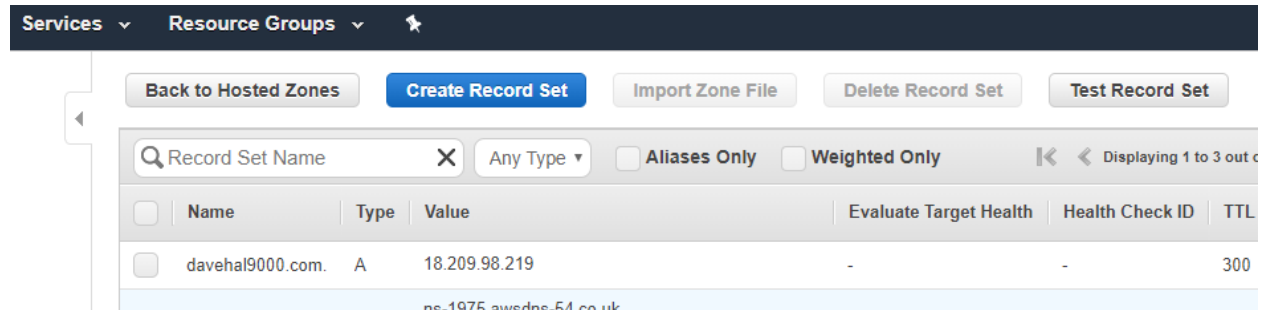
- 10) Go back to Route 53 (Use the steps from the Custom Web Domain section)

11) Select Hosted Zones



12) Pick the domain name that you purchased in the Custom Web Domain section

13) Click "Create Record Set"



14)

15) Select "A-IPv4 address" as the Type and enter the Public IPv4 IP address as the value

Edit Record Set

Name: davehal9000.com

Type: A – IPv4 address

Alias: ☐ Yes ☒ No

TTL (Seconds): 300 1m 5m 1h 1d

Value: 18.209.98.219

IPv4 address. Enter multiple addresses on separate lines.
Example:
192.0.2.235
198.51.100.234

Routing Policy: Simple

Route 53 responds to queries based only on the values in this record. [Learn More](#)

16) Now your web domain will host your Wordpress page!

The Price of Hosting & Registering a Domain

- Registering a web domain is a yearly fee that is typically around \$12/month.
- Amazon Web Services hosting a domain is \$ 0.50-\$3/month. Registering a .com domain on Amazon Web Services is \$12. <https://aws.amazon.com/getting-started/projects/host-static-website/>
- HostGator costs between \$2.75 and \$6.95/month for web hosting. Registering a HostGator domain is \$12.95, BUT they charge an extra \$14.95 for privacy protection. <https://hostingfacts.com/hosting-reviews/hostgator/>
- GoDaddy hosting is between \$7.49 and \$14.99/month. <https://www.shivarweb.com/2833/bluehost-vs-godaddy/>