## Static Web-hosting with AWS S3<sup>1</sup>

- 1. Register a domain with Amazon Route 53.<sup>2</sup>
- 2. Create a root domain bucket and subdomain bucket in the Amazon S3 Console
  - a. Create a root domain bucket named *site.com* with default settings
  - b. Create a subdomain bucket named www.site.com with default settings
- 3. Configure root domain bucket for web hosting
  - a. Configure the root domain as follows under Properties -> Static webhosting [Figure 1].
  - b. Configure the subdomain bucket to **Redirect requests from Object** under **Properties -> Static webhosting** with the root domain address.
  - c. Upload *index.html* and *error.html* along with any other website content to the root domain bucket.
  - d. Clear all **block public access** permissions in the route bucket.
  - e. Attach the bucket policy under Permissions -> Bucket Policy [Figure 2].
- 4. Create a new alias record in the Amazon Route 53 Console under **Hosted Zones** -> *site.com* with the settings described [Figure 3].

Note: The website should now be public. Test your connection by navigating to the website endpoint under Properties -> Static Webhosting

<sup>&</sup>lt;sup>1</sup>Instructions for custom domain hosting can be found here: https://docs.aws.amazon.com/AmazonS3/latest/dev/website-hosting-custom-domain-walkthrough.htm

<sup>&</sup>lt;sup>2</sup> To register a domain follow this procedure: https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/domain-register.html. Domain names are subject to AWS pricing and may take a few days to register.

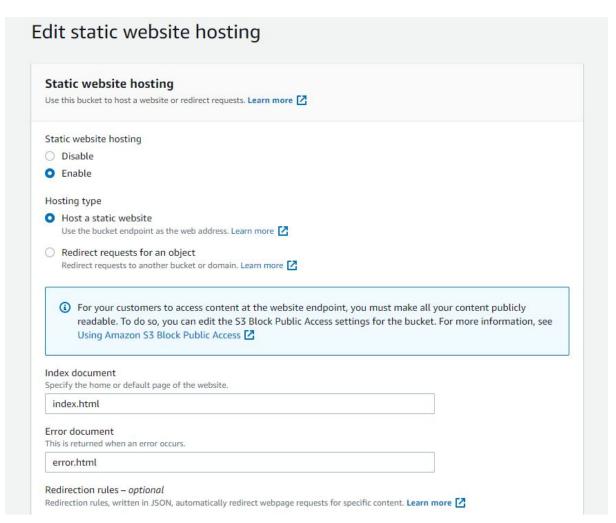


Figure 1. Route Domain Bucket Static Web hosting Settings

Figure 2. Bucket Policy for Route Domain Bucket

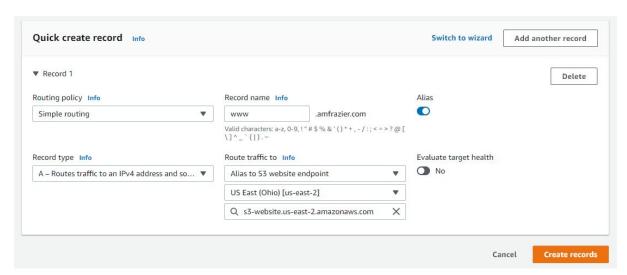


Figure 3. Alias Record for www.site.com

## **Cognito User Authentication**<sup>3</sup>

Note: Settings not listed may remain as default.

- 1. Create a userpool in the AWS Cognito management console. Review default settings and apply the following [Figure 1].
- 2. Create an app client for the Cognito userpool with default settings.
- 3. Under app client settings, enter the following options [Figure 2]. Disable client secret generation.
- 4. Under **App integration**, register an Amazon Cognito domain for user authentication.
- 5. Create a *config.js* file with the **userPoolId**, **region**, and **clientId** attributes as follows [**Figure** 3].
- 6. Upload the relevant login and registration HTML files along with the Javascript files included. The registration and login pages should now be functional.

	You can choose to ha	ave users sign in with a	n email address, phone number, username or preferred username plus their password. Learn more.
Usernam	e - Users can use a user	name and optionally mu	ultiple alternatives to sign up and sign in.
	Iso allow sign in with verif		
75 c	Iso allow sign in with verif		
			rname that your users can change)
Email add	dress or phone number	- Users can use an em	ail address or phone number as their "username" to sign up and sign in.
9	llow email addresses		
	llow phone numbers		
() A	llow both email addresse	s and phone numbers (	users can choose one)
You can choose to	enable case insensitivity	on the username input	for the selected sign-in option. For example, when this option is selected, the users can sign in using either "username" or "Username".
(Recomm	ended) Enable case inse	nsitivity for username in	nput
		Which sta	ndard attributes do you want to require?
			ibutes you select will be required for sign up. You will not be able to change these requirements after the pool is created. If g that value or their username. Learn more about attributes.
Required	Attribute	Required	Attribute
	address		nickname
	birthdate		phone number
✓	email		picture
	family name		preferred username
	gender		profile
	given name locale	H	zoneinfo updated at
	middle name	H	website
✓	name		
	Doy	ou want to	customize your email verification messages?
u can choose to send	a code or a clickable lin	k and customize the r	nessage to verify email addresses. Learn more about email verification.
Verification type  Code Link			
Email subject			
Your verification link			
Email message			
Please click the link t	below to verify your ema	ail address. {##Verify l	Email##}
You can customize the m	nessage above, but it must	include the "{####}" pla	ceholder, which will be replaced with the link.

Figure 1. Cognito User Pool Settings

<sup>&</sup>lt;sup>3</sup> Adapted from the following tutorial: https://www.youtube.com/watch?v=pDMkL2cObC0

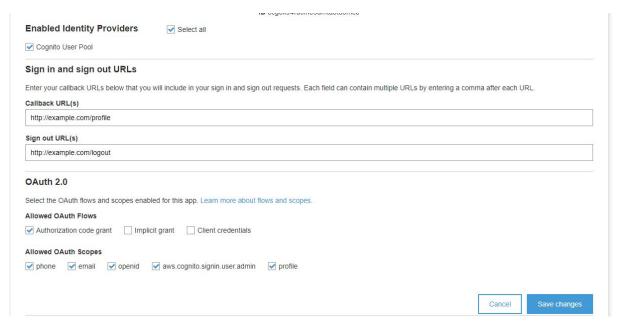


Figure 2. Cognito App Client Settings

```
window._config = {
  cognito: {
    userPoolId: 'POOLID',
    region: 'REGION',
    clientId:'CLIENTID'
  }
}
```

Figure 3. Config.js File