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Secret Mission #1:

Securely share objects with presigned URLs

- In, the Amazon S3 console, choose Objects to upload a pdf file called "**Secret extra mission.pdf**".
- Checked that file in my S3 bucket and from the "**Actions**" sections, choose "**Share with a resigned URL**".
- Set the time interval of 1 minute and the link is generated.

new file added and URL is generated !!

✓ A presigned URL for "Secret extra mission.pdf" has been created and copied to your clipboard.

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Objects Properties Permissions Metrics Management Access Points

Objects (3) [Info](#) Copy S3 URI Copy URL Download Open

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access

Find objects by prefix Show versions

	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	index.html	html	July 9, 2024, 11:41:10 (UTC+05:30)	58.8 KB	Standard
<input type="checkbox"/>	NextWork - Everyone should be in a job they love_files/	Folder	-	-	-
<input checked="" type="checkbox"/>	Secret extra mission.pdf	pdf	July 9, 2024, 17:07:18 (UTC+05:30)	116.9 KB	Standard

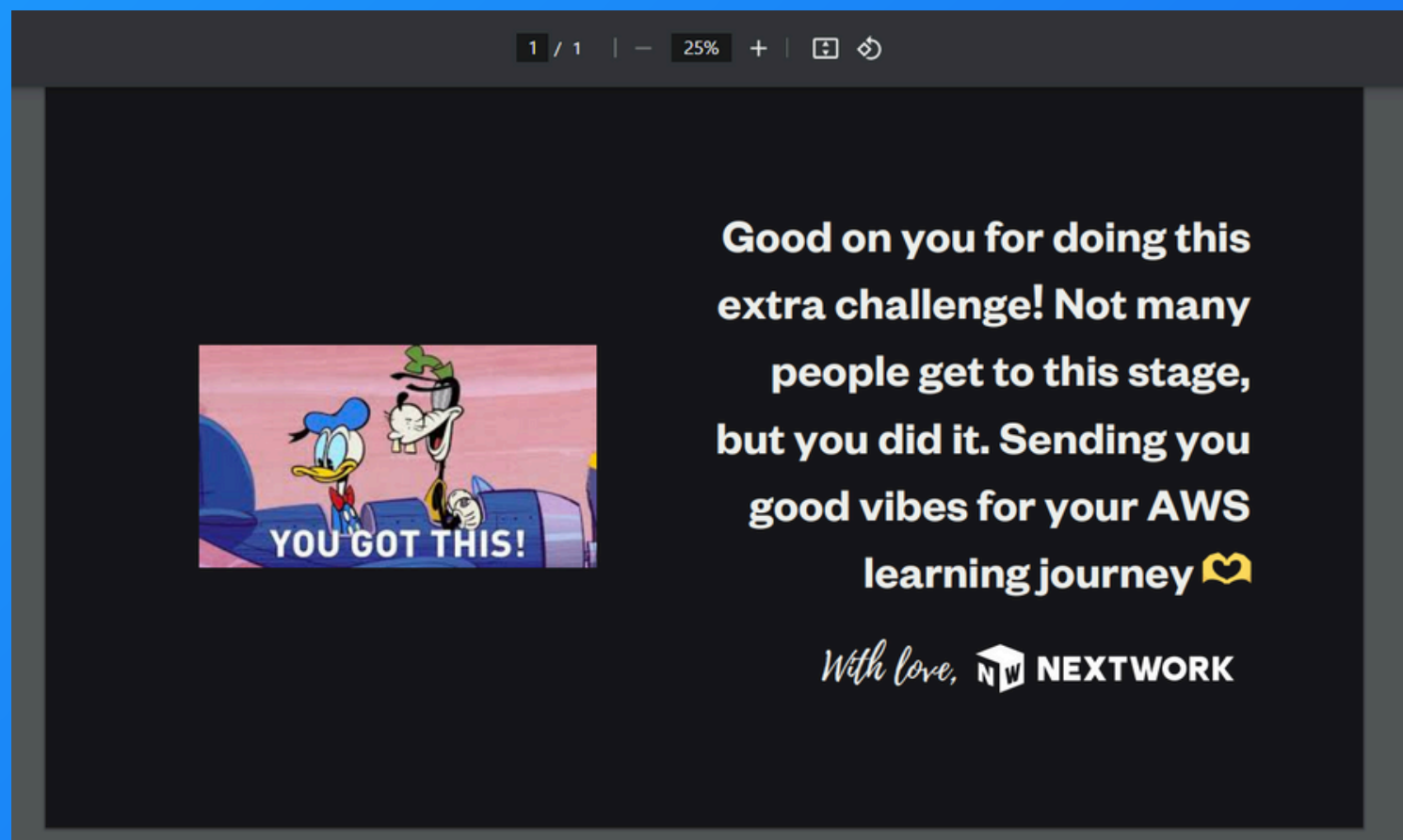


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Open the URL in the new tab in the time interval of 1 minute and result is:





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Result after 1 minute:



This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
▼<Error>
  <Code>AccessDenied</Code>
  <Message>Request has expired</Message>
  <X-Amz-Expires>60</X-Amz-Expires>
  <Expires>2024-07-09T11:39:49Z</Expires>
  <ServerTime>2024-07-09T11:40:06Z</ServerTime>
  <RequestId>16XKTWR9KQHFZSZ5</RequestId>
  <HostId>wuD3iK2s2Jv6Z+J/A4RpMPTMuMeQW03LyjjZ90q3FX69boMvy16G7f2w6251Kcqsazk5Jk3dF38=</HostId>
</Error>
```



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Secret Mission #2:

Using a bucket policy to secure your bucket

- From the "**Permissions**" of our S3 bucket we edit the Bucket Policy, to deny anyone from deleting "**index.html**" file.
- Click "**Save**" and the new bucket policy is set.

New Bucket policy:



Policy

```
1 {  
2   "Version": "2012-10-17",  
3   "Id": "MyBucketPolicy",  
4   "Statement": [{  
5     "Sid": "BucketPutDelete",  
6     "Effect": "Deny",  
7     "Principal": "*",  
8     "Action": "s3:DeleteObject",  
9     "Resource": "arn:aws:s3:::nextwork-website-project-vamsi/index.html"}  
10  }
```



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When you tried to delete index.html file, then the result is:



⊗ Failed to delete objects

For more information, see the **Error** column in the **Failed to delete** table below.

Source

s3://nextwork-website-project-vamsi

Successfully deleted

0 objects

Failed to delete



⊗ 1 object, 58.8 KB

Failed to delete

Configuration

⊗ Failed to delete (1 object, 58.8 KB)

🔍 Find objects by name

Name ▲	Folder ▼	Type ▼	Last modified
 index.html 	-	html	July 9, 2024, 11:41:10 (UTC



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Secret Mission #3: Updating your website

- On your computer, load the index.html file into a text editor.
- Find the text **"Everyone <First Name> should be in a "**

Open index.html file and searching:



```
c01e-8ab1-f4+d9ea:  should be in a <span class="text-span"> x Q 18db-6bf8-  
d9f76427aa1d-6a24:  class="section_header"><div class="padding-global"><div class="container-large-hero"><div  
class="padding-huge align-center"><div class="margin-bottom margin-small max-width-xxlarge"><h1 data-w-  
id="c91f9ffe-69bc-c131-56af-9249d81c341b" style="transform: translate3d(0px, 0px, 0px) scale3d(1, 1, 1)  
rotateX(0deg) rotateY(0deg) rotateZ(0deg) skew(0deg, 0deg); opacity: 1; transform-style: preserve-3d;"  
class="heading text-style-allcaps squeeze-height jumbo">Everyone <First Name> should be in a <span  
class="text-span">job </span><span class="heart-mobile">T </span><span class="text-span">they love  
</span><span class="heart-desktop">ll</span></h1></div><div data-w-id="c91f9ffe-69bc-
```

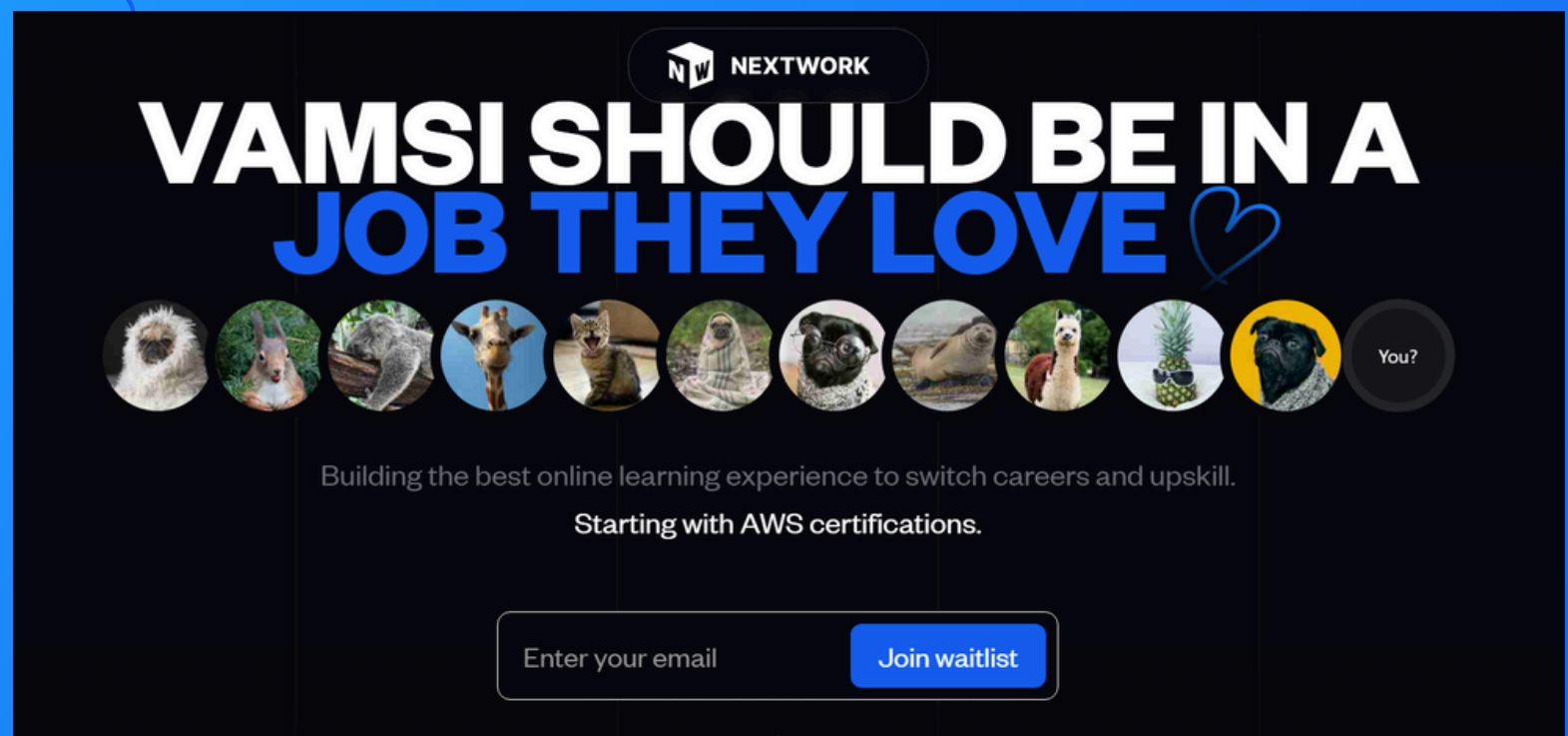



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- Save the file and choose **index.html**, and in the **Actions** menu, choose the **Make public using ACL** option again.
- Return to the web browser tab with your static website open, and refresh the page.

Web browser will be:





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Secret Mission #4: Bucket versioning

- In, Amazon S3 console, and choose the Objects tab.
- Choose the Show versions toggle.

Objects tab when show versions is enabled:

Objects (4) Info							
<div><div><div></div></div><div>Copy S3 URI</div><div>Copy URL</div><div>Download</div><div>Open</div></div> <div>Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory to get a list of all objects in your bucket. For others</div> <div><div><div>Find objects by prefix</div></div><div><div>Show versions</div></div></div>							
<input type="checkbox"/>	Name ▲	Type	Version ID	Last modified	Size	Storage class	
<input type="checkbox"/>	 index.html	html	FxTlM9wFI2 KRkEi8oqSp MKoXtPwAs s0p	July 9, 2024, 17:55:34 (UTC+05:30)	58.7 KB	Standard	
<input type="checkbox"/>	 index.html	html	J1lVG1XHJF _lHxUqjAbiP c.R1XSb5W OY	July 9, 2024, 11:41:10 (UTC+05:30)	58.8 KB	Standard	
<input type="checkbox"/>	 NextWork - Everyone should be in a job they love_files/	Folder	-	-	-	-	
<input type="checkbox"/>	 Secret	pdf	YRakt9jWKX LxQj4h34VL	July 9, 2024,	116.0 KB	Standard	