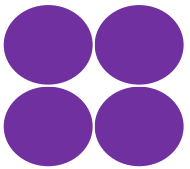


Block Based

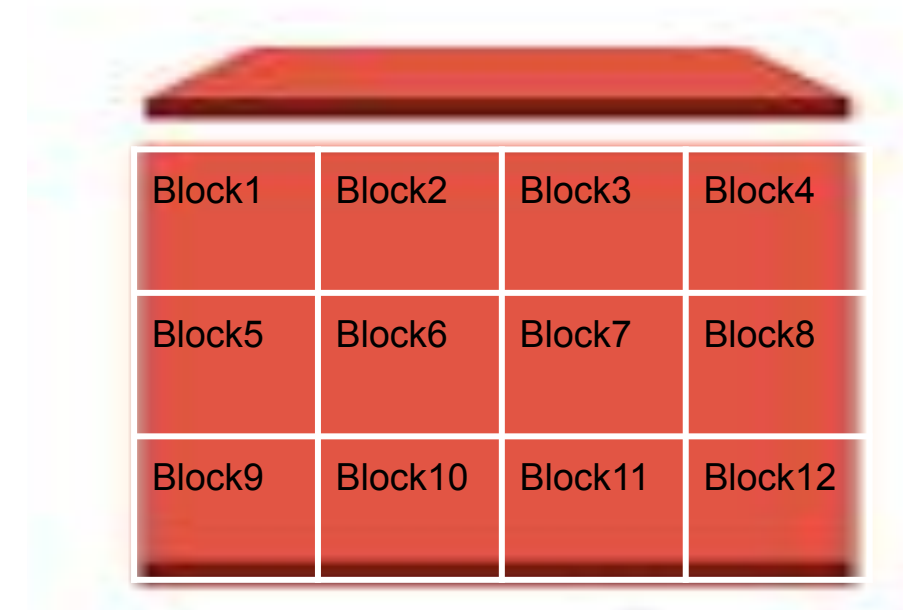


Totally = 16KB in size

Divide your object into the blocks max 4KB in size

Each Block=4KB in size

EBS



Each Block= 4KB in size

Total blocks number= 12

Totally = 48KB

Who can call the data? = Only related EC2

Object Based

Totally = 16KB in size



Who can call the data? = Anybody with public **internet** and permission

Presign URL



Block All Public Access



Bucket Policy

Make Public Feature



ACL of Bucket



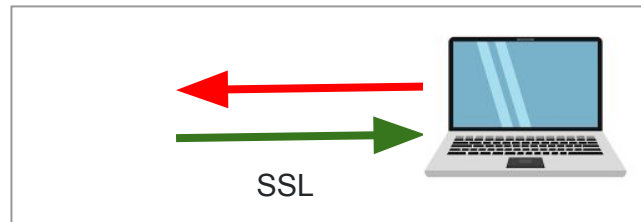
ACL of Object



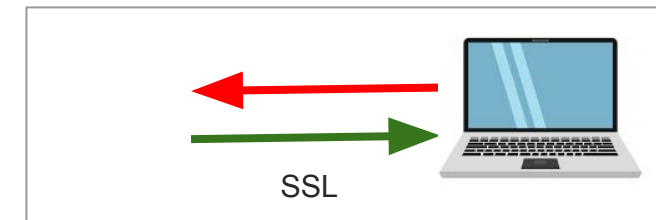
Server Side Encryption (**At Rest**)



Encryption in **Transition**



Client Side Encryption
(**Transition+At Rest**)





**Amazon S3 managed
keys (SSE-S3)**

**AWS Key Management
Service key (SSE-KMS)**



AWS KMS

SSE-KMS advantage

- Allowing you to enable decryption only to authorized users or applications.
- Provides an audit trail that shows when a CMK was used and by whom.



Public

```
graph TD; Public[Public] --> Block[Block all Public Access]; Public --> Policy[Bucket Policy]; Public --> ACL[ACL];
```

Block all Public Access

Based on: Bucket

Effect : Both Bucket and Object

Bucket Policy

Based on: Bucket

Effect: Both Bucket and Object

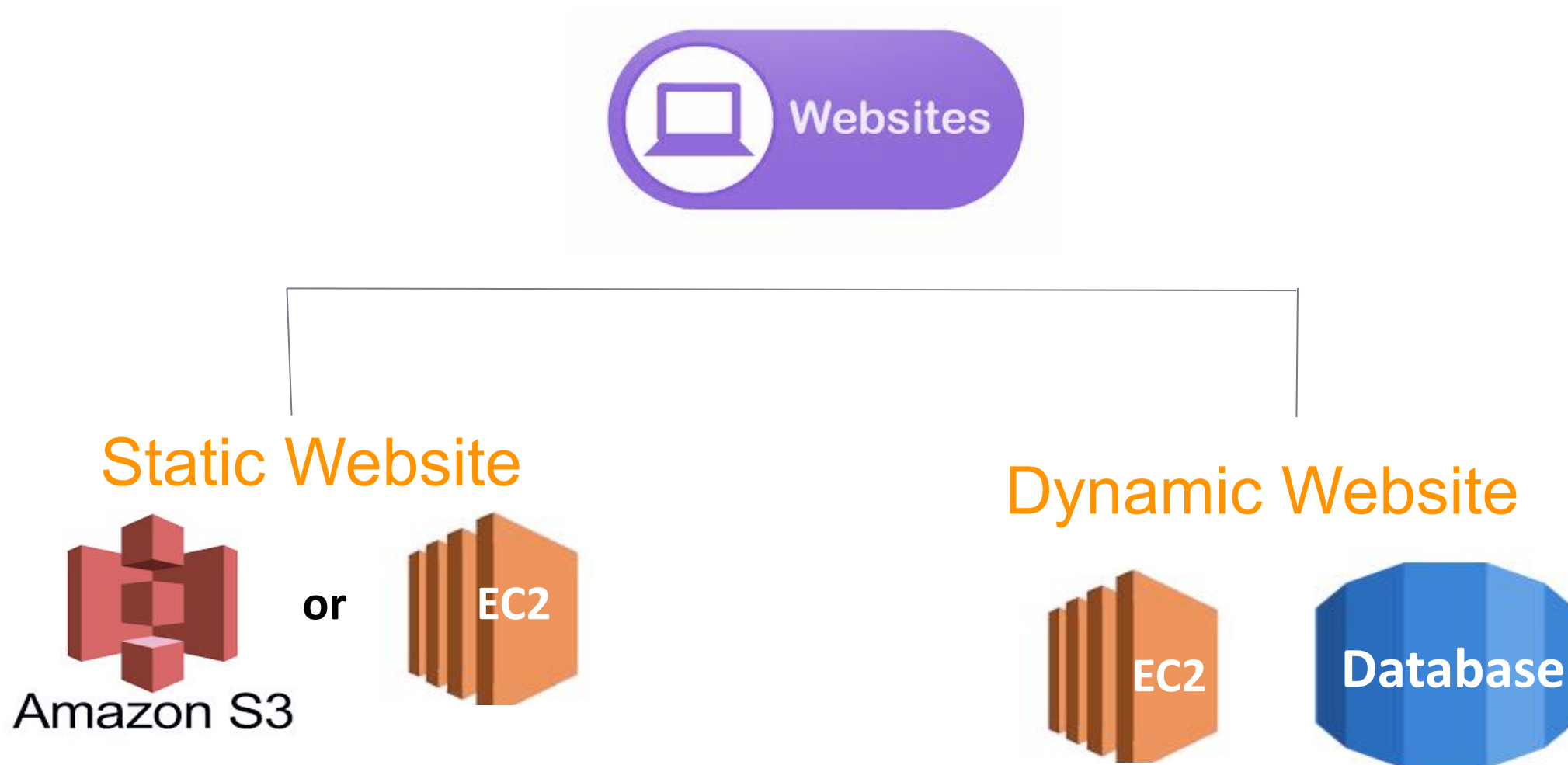
ACL

Based on: Bucket or Object

Effect: Which you select



What is Static and Dynamic Website Hosting?



APPLICATION



EC2



SOIL



APPLICATION



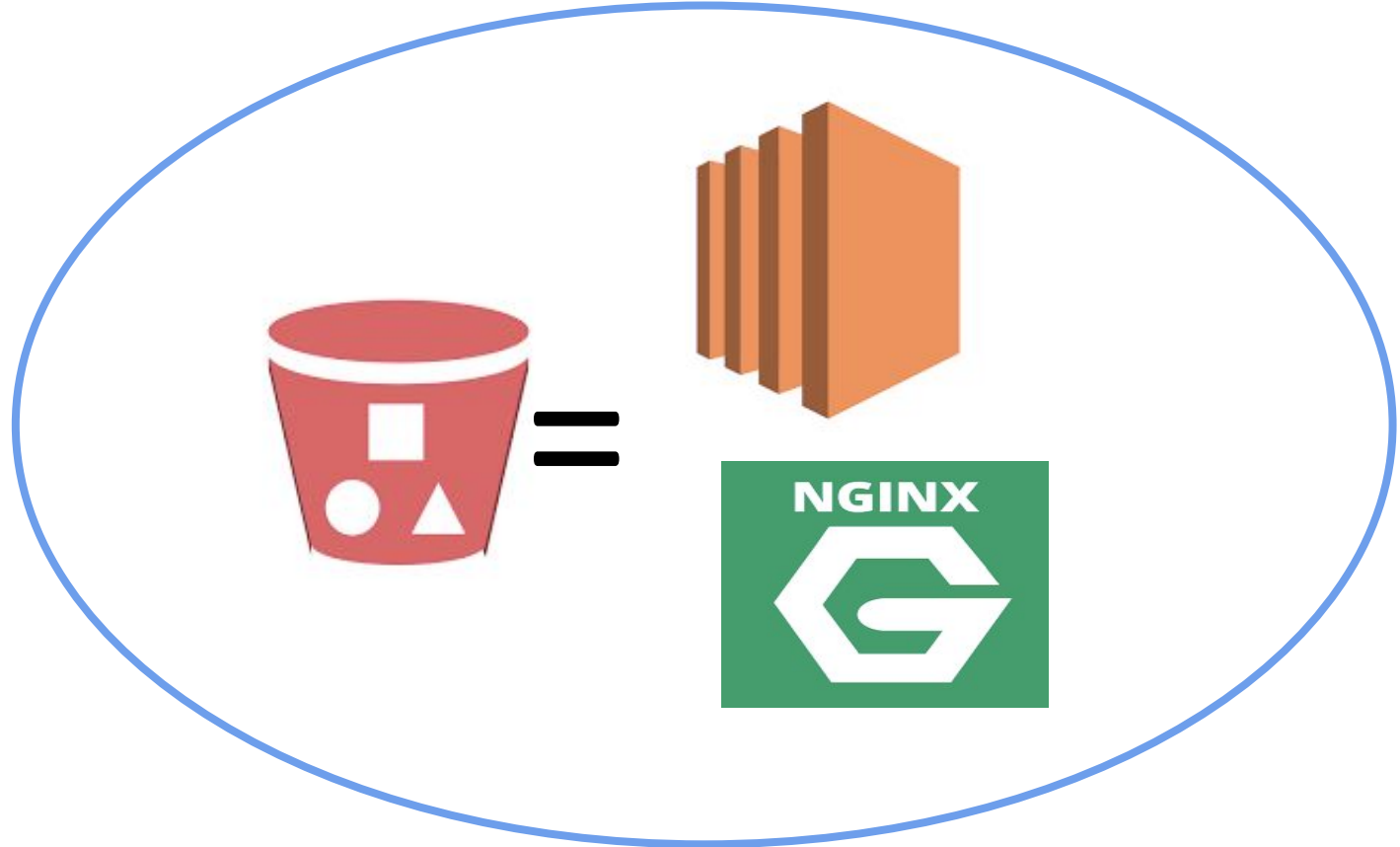
EC2



SOIL



Static Website Hosting



Static Website Hosting Workflow



Properties----->Static Website Hosting



Uncheck Block All Public Access



Bucket Policy



ACL of Bucket



ACL of Object

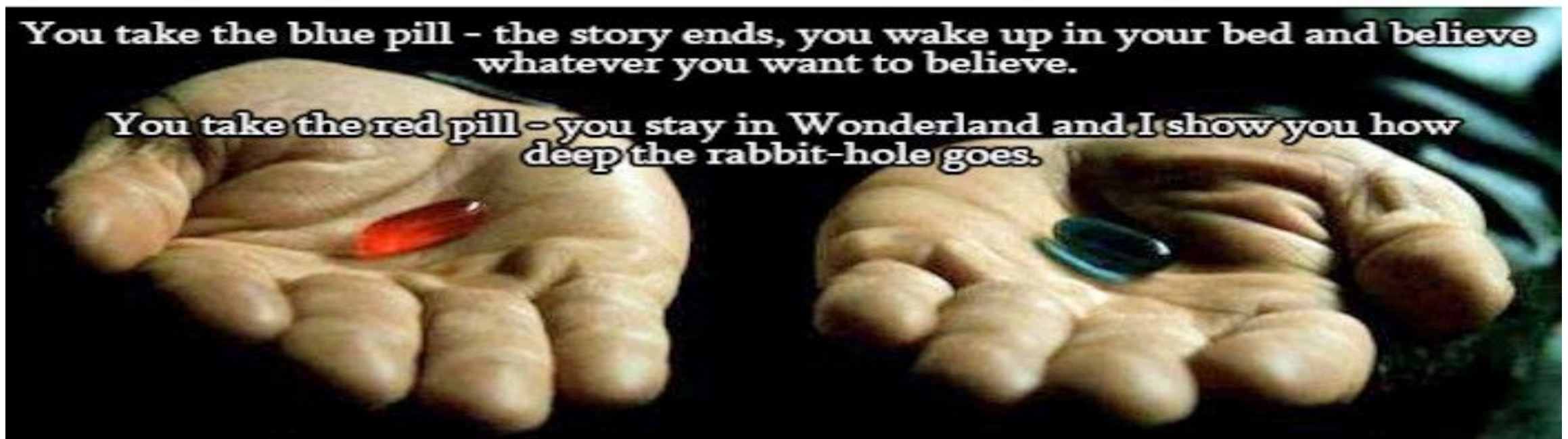
VERSIONING



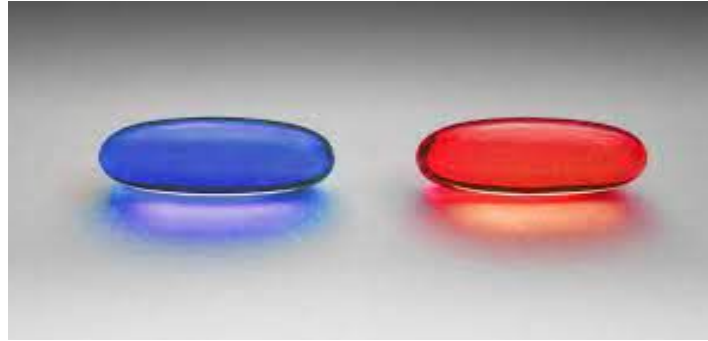
This is your last chance. After this, there is no turning back.

You take the blue pill - the story ends, you wake up in your bed and believe whatever you want to believe.

You take the red pill - you stay in Wonderland and I show you how deep the rabbit-hole goes.

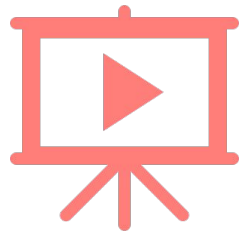


Delete in Versioning

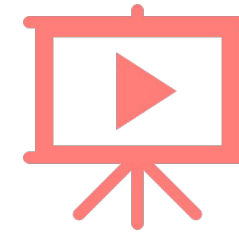


REAL PAGE

VERSIONING PAGE



INDEX.HTML

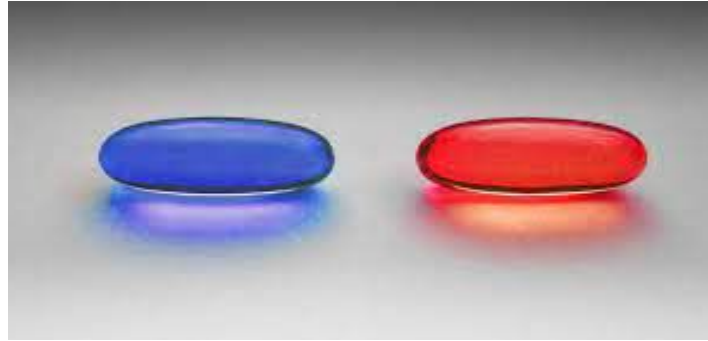


INDEX.HTML



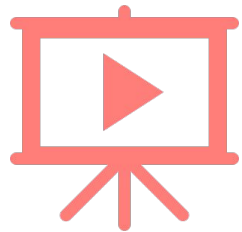
CAT.JPG

Delete in Versioning

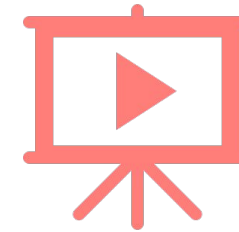


REAL PAGE

VERSIONING PAGE



INDEX.HTML



INDEX.HTML



CAT.JPG



CAT.JPG