

# Configure and access any of your Cloud Object Storage buckets as a website.

Customers have been hosting their images and video for their websites in [IBM Cloud Object Storage](#). Today, the entire static website can be hosted on Cloud Object Storage without having to run a separate application, VM, or bare metal server to host the web server. You can now configure and access any of your Cloud Object Storage buckets as a website, complete with index and error documents.

## Basic configuration:

Basic Configuration Hosting a static website on IBM Cloud® Object Storage starts with **creating a bucket and configuring it for public access**. Then, upload your website content to your bucket. Finally, configure the website to use your documents as an index for the site and to potentially display errors.

## Networking:

Domain name services. Public and private DNS and domain registration.

IBM Cloud Content Delivery Network. Content caching and delivery on the Akamai network.

IBM Cloud Direct Link. Physical or virtual private connections to IBM Cloud.

IBM Cloud Internet Services. ...

Load balancer. ...

Network appliances. ...

Network security.

## **Redirect and routing rules:**

You can globally redirect all of your traffic, or you can create individual rules that process incoming requests for specific pages based on the rules you define.

You can use the custom bucket template in the Cloud Object Storage UI to create a static website with a new bucket. To make an existing bucket into a static website, you can use the Bucket Configuration panel.

Static website hosting on Cloud Object Storage allows you to now build a cloud-native, entirely serverless application, complete with a website!

## **VPC - Virtual Private Cloud:**

computing environment on shared public cloud infrastructure.

A VPC's logical isolation is implemented using virtual network functions and security features that give an enterprise customer granular control over which IP addresses.

The resources can be compute (virtual server or vCPU), storage (block storage quota per account) and networking with public gateways, load balancers, routers, direct or dedicated links.

admin user needs to configure ACL to limit inbound and outbound traffic to the subnet. ACL can be setup to authorize TCP traffic on port 80 on any IP, deny all other protocol on any IP and any port...

groups to attach to each interface. Block storage can be added as volOnce done we can add virtual server instance. A boot volume is allocated, ssh key needs to be created and different linux images are supported. A VSI is attached to a subnet via its network interface. We can also select which securium and added to a VSI. We can configure the security group to define the inbound and outbound traffic that is allowed for the instance.

## **VPE Virtual Private Endpoints**

VPEs are virtual IP interfaces that are bound to an endpoint gateway created on a per service, or service instance.

VPE has multiple benefits like:

- Public connectivity is not required and has no public data egress charges.
- Reaches IBM Cloud assets through a private service provider.
- A VPE lives in your network address space, extending your private and multicloud into the IBM Cloud.
- You can apply security through Network Access Control Lists (NACLs).
- The endpoint IP deploys in a customer-defined, virtual network.