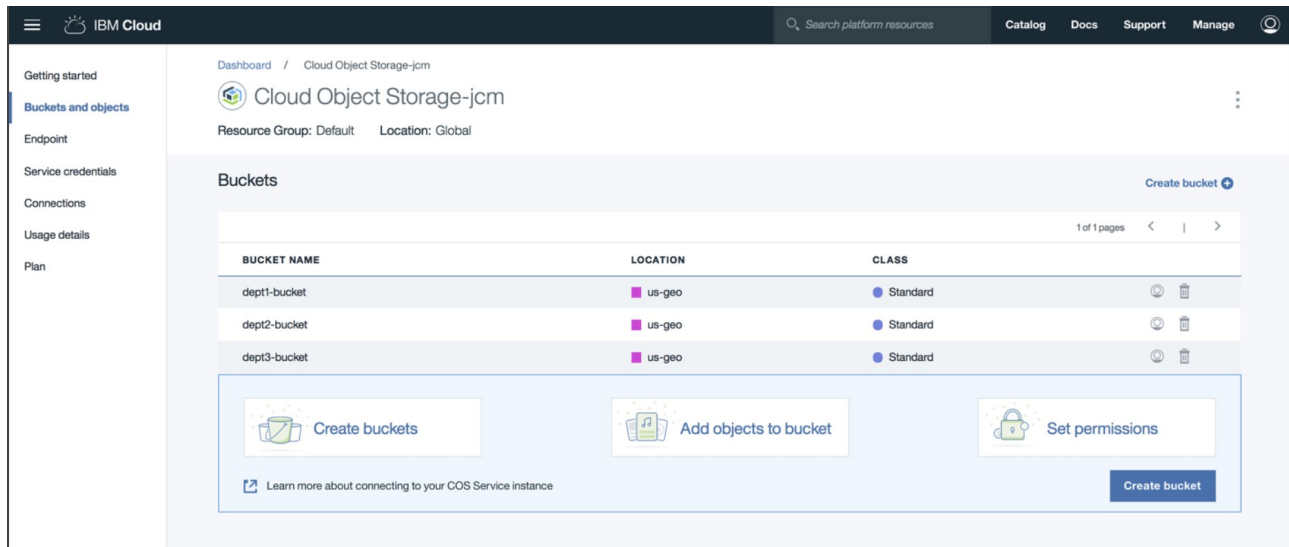


1.Create a Cloud Object Storage instance and several buckets

- 1.From the [IBM Cloud catalog](#), search for Object Storage, then create a Cloud Object Storage instance.
- 2.Select **Buckets** in the navigation pane.
- 3.Create as many buckets as you need.



2.upload 5 images to ibm object storage and make it public

- 1.Create a bucket with a unique name to store your images. For **Location**, select the location that matches the region where you want to import images.
- 2.With your bucket created, you can upload an image by clicking **Add Objects**.

Image Templates

Filter Import Image From Swift Import Image From IBM COS

IBM Cloud Object Storage: Cloud Object Storage-aa2

Location: us-south

Bucket: my-bucket

Image File: my-Image.vhd

Image Name: myNewImage

IBM Cloud API Key: my-api-key-that-has-access-to-IBM-COS

Operating System: Ubuntu 18.04-64 Minimal for VSI

Boot Mode: HVM

Notes: Optional: notes

Encryption: ☐

Cloud Init: ☒ Your License: ☐

Cancel Import

- Upload images from a web browser to the Object Storage bucket.
- View the images in the Object Storage bucket in a web browser.

3.upload CSS page to the object storage and use the same html code.

```
<title><%=title%></title>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<!-- Latest compiled and minified CSS -->
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"
      integrity="sha384-BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/
K68vbdEjh4u"
      crossorigin="anonymous">
<script src="https://code.jquery.com/jquery-3.1.1.min.js"
      integrity="sha256-hVVnYaiADRTO2PzUGmuLJr8BLUSjGIZsDYGmIJLv2b8="
      crossorigin="anonymous">
</script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"
      integrity="sha384-
Tc5IQib027qvyjSMfHjOMaLkfuWVxZxUPnCJA7l2mCWNIpG9mGCD8wGNlcpD7Txa"
      crossorigin="anonymous">
</script>

<link rel="stylesheet" href="stylesheets/style.css">

<!DOCTYPE html>
<html>

<head>
  <%- include('head-inc'); %>
</head>

<body>
<ul class="nav nav-tabs">
  <li role="presentation" class="active"><a href="/">Home</a></li>
  <li role="presentation"><a href="/gallery">Gallery</a></li>
</ul>
<div class="container">
  <h2>Upload Image to IBM Cloud Object Storage</h2>
  <div class="row">
    <div class="col-md-12">
      <div class="container" style="margin-top: 20px;">
        <div class="row">
```

```

    <div class="col-lg-8 col-md-8 well">

        <p class="wellText">Upload your JPG image file here</p>
//...
var imageUploadRoutes = require('./src/routes/imageUploadRoutes')(title);
var galleryRouter = require('./src/routes/galleryRoutes')(title);

app.use('/gallery', galleryRouter);
app.use('/', imageUploadRoutes);

//...

    <form method="post" enctype="multipart/form-data" action="/">
        <p><input class="wellText" type="file" size="100px" name="img-file" /></p>
        <br/>
        <p><input class="btn btn-danger" type="submit" value="Upload" /></p>
    </form>

    <br/>
    <span class="notice"><%=status%></span>
</div>
</div>
</div>
</div>
</div>
</div>
</body>

</html>
var express = require('express');
var imageUploadRoutes = express.Router();
var status = "";

var router = function(title) {

    var galleryController =
        require('./controllers/galleryController')(title);

    imageUploadRoutes.route('/')
        .post(
            galleryController.upload.array('img-file', 1), function (req, res, next) {
                if (res.statusCode === 200 && req.files.length > 0) {
                    status = 'uploaded file successfully';
                }
                else {
                    status = 'upload failed';
                }
                res.render('index', {status: status, title: title});
            });

    return imageUploadRoutes;
};

```

```

module.exports = router;
var galleryController = function(title) {

  var aws = require('ibm-cos-sdk');
  var multer = require('multer');
  var multerS3 = require('multer-s3');

  var ep = new aws.Endpoint('s3.us-south.cloud-object-storage.appdomain.cloud');
  var s3 = new aws.S3({endpoint: ep, region: 'us-south-1'});
  var myBucket = 'web-images';

  var upload = multer({
    storage: multerS3({
      s3: s3,
      bucket: myBucket,
      acl: 'public-read',
      metadata: function (req, file, cb) {
        cb(null, {fieldName: file.fieldname});
      },
      key: function (req, file, cb) {
        console.log(file);
        cb(null, file.originalname);
      }
    })
  });

  var getGalleryImages = function (req, res) { /* ... shown below ... */ };

  return {
    getGalleryImages: getGalleryImages,
    upload: upload
  };
};

module.exports = galleryController;

```



```

<!DOCTYPE html>
<html>

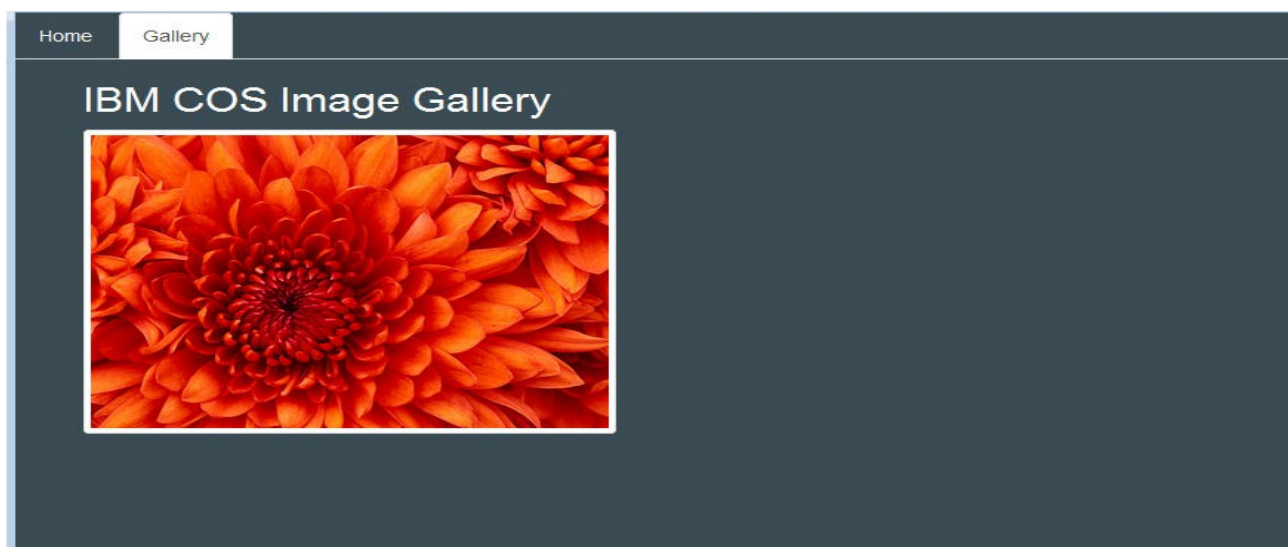
<head>
  <%- include('head-inc'); %>
</head>

<body>
  <ul class="nav nav-tabs">
    <li role="presentation"><a href="/">Home</a></li>
    <li role="presentation" class="active"><a href="/gallery">Gallery</a></li>
  </ul>
  <div class="container">
    <h2>IBM COS Image Gallery</h2>

    <div class="row">
      <% for (var i=0; i < imageUrls.length; i++) { %>
        <div class="col-md-4">
          <div class="thumbnail">
            
            
            
            
            
          </div>
        </div>
      <% } %>
    </div>
  </div>
</body>

</html>

```



3.upload CSS page to the object storage and use the same html code.