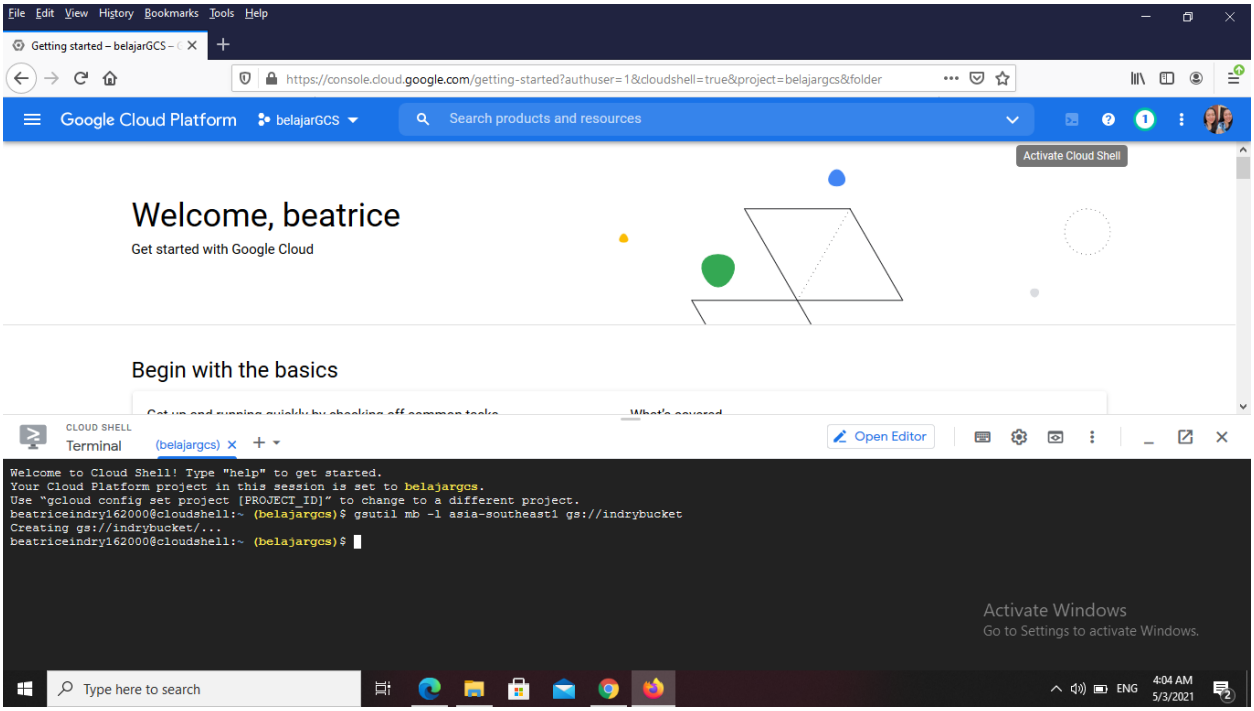
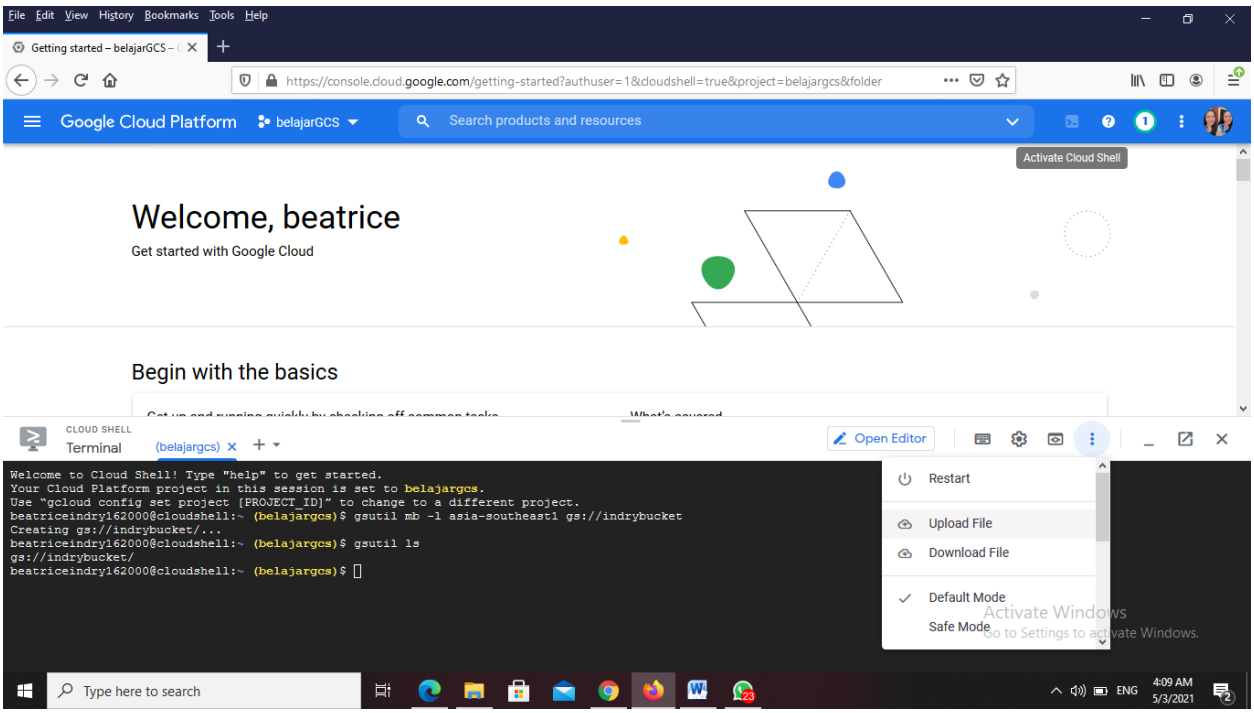
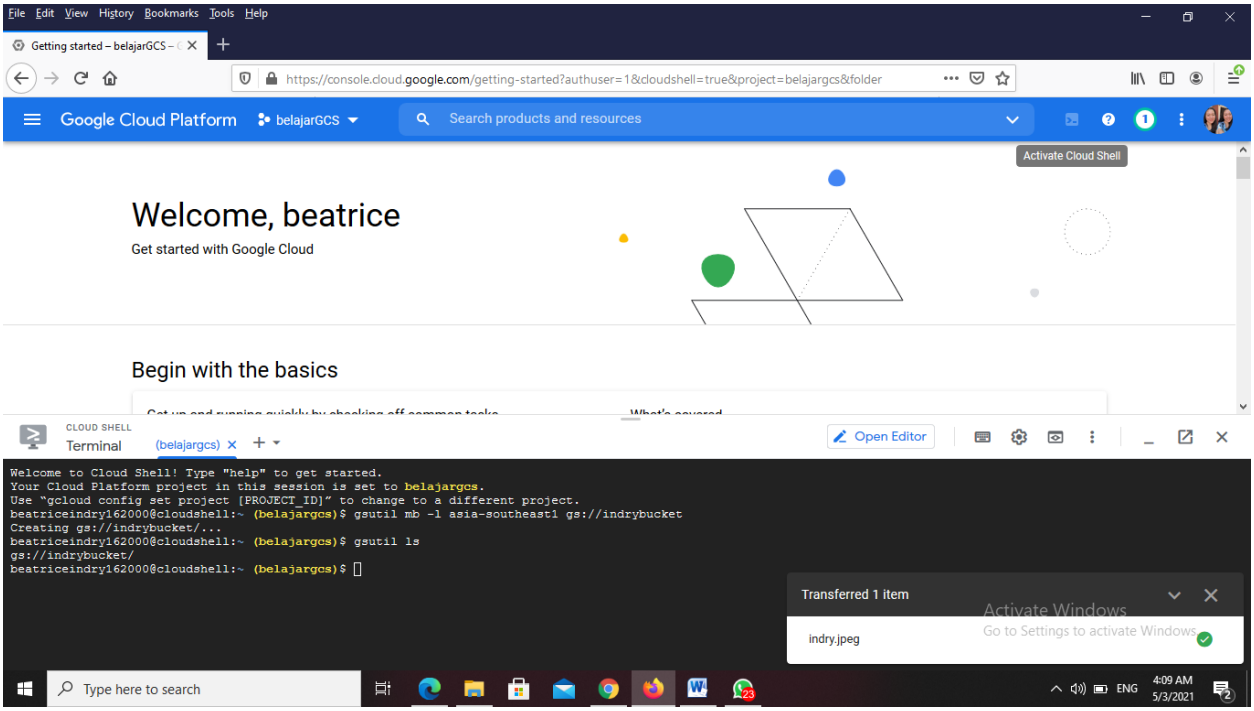
LATIHAN 1




```
beatriceindry162000@cloudshell:~ (belajargcs)$ gsutil ls
gs://indrybucket/
beatriceindry162000@cloudshell:~ (belajargcs)$
```



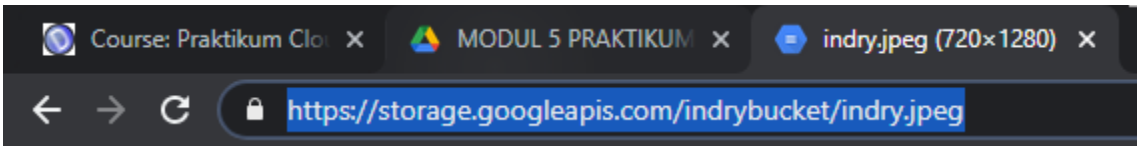


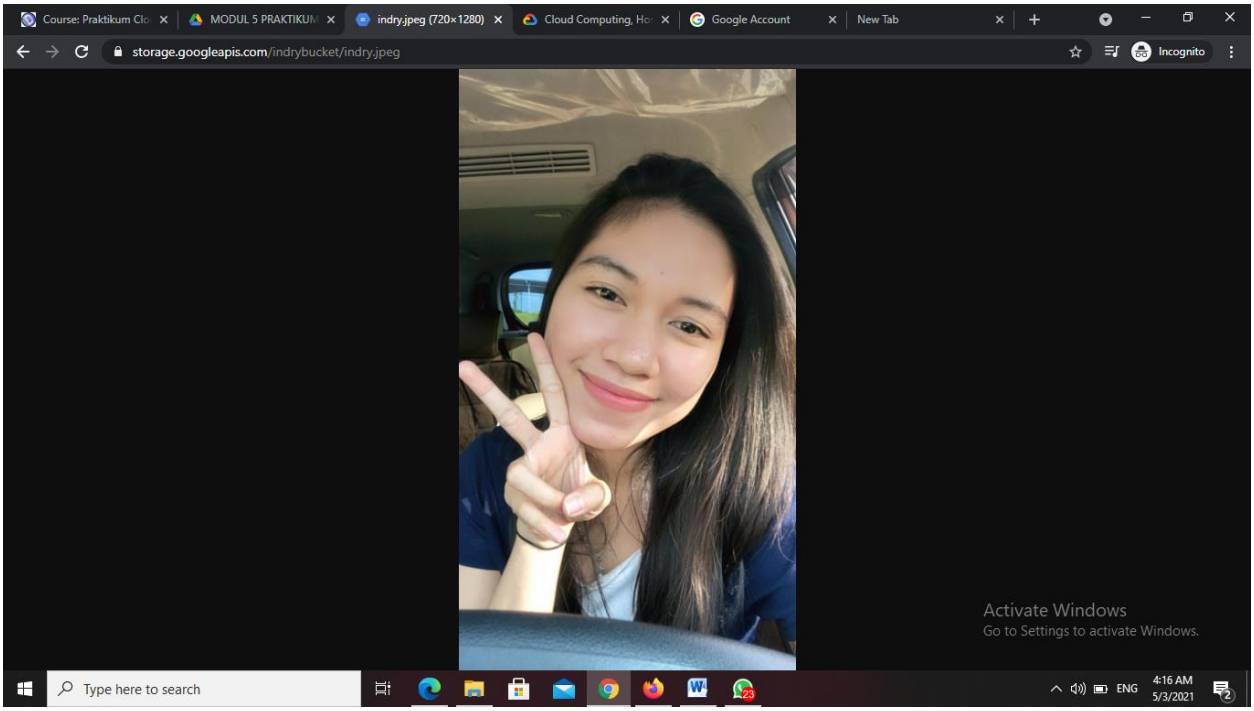

```
beatriceindry162000@cloudshell:~ (belajargcs)$ ls
cloudphp  indry.jpeg  README-cloudshell.txt
beatriceindry162000@cloudshell:~ (belajargcs)$
```

```
beatriceindry162000@cloudshell:~ (belajargcs)$ gsutil cp indry.jpeg gs://indrybucket
Copying file://indry.jpeg [Content-Type=image/jpeg]...
/ [1 files][ 93.0 KiB/ 93.0 KiB]
Operation completed over 1 objects/93.0 KiB.
beatriceindry162000@cloudshell:~ (belajargcs)$
```

```
beatriceindry162000@cloudshell:~ (belajargcs)$ gsutil ls gs://indrybucket
gs://indrybucket/indry.jpeg
beatriceindry162000@cloudshell:~ (belajargcs)$
```

```
beatriceindry162000@cloudshell:~ (belajargcs)$ gsutil acl ch -u AllUsers:R gs://indrybucket/indry.jpeg
Updated ACL on gs://indrybucket/indry.jpeg
beatriceindry162000@cloudshell:~ (belajargcs)$
```



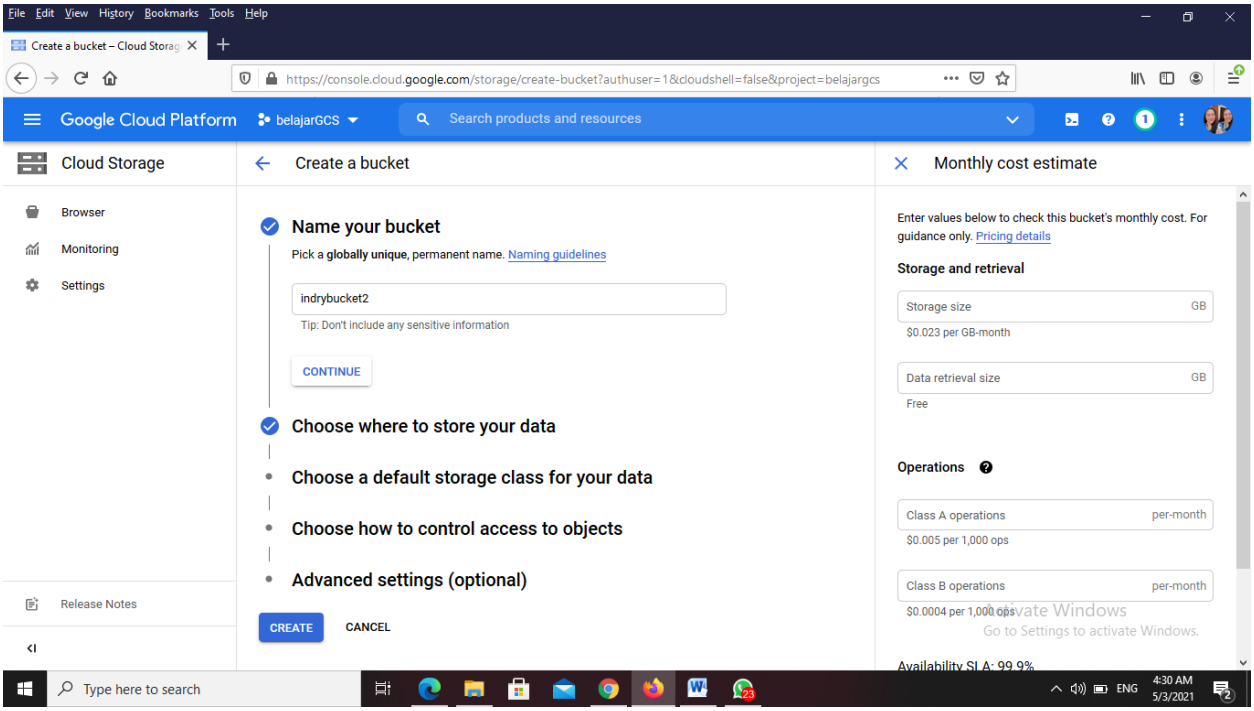


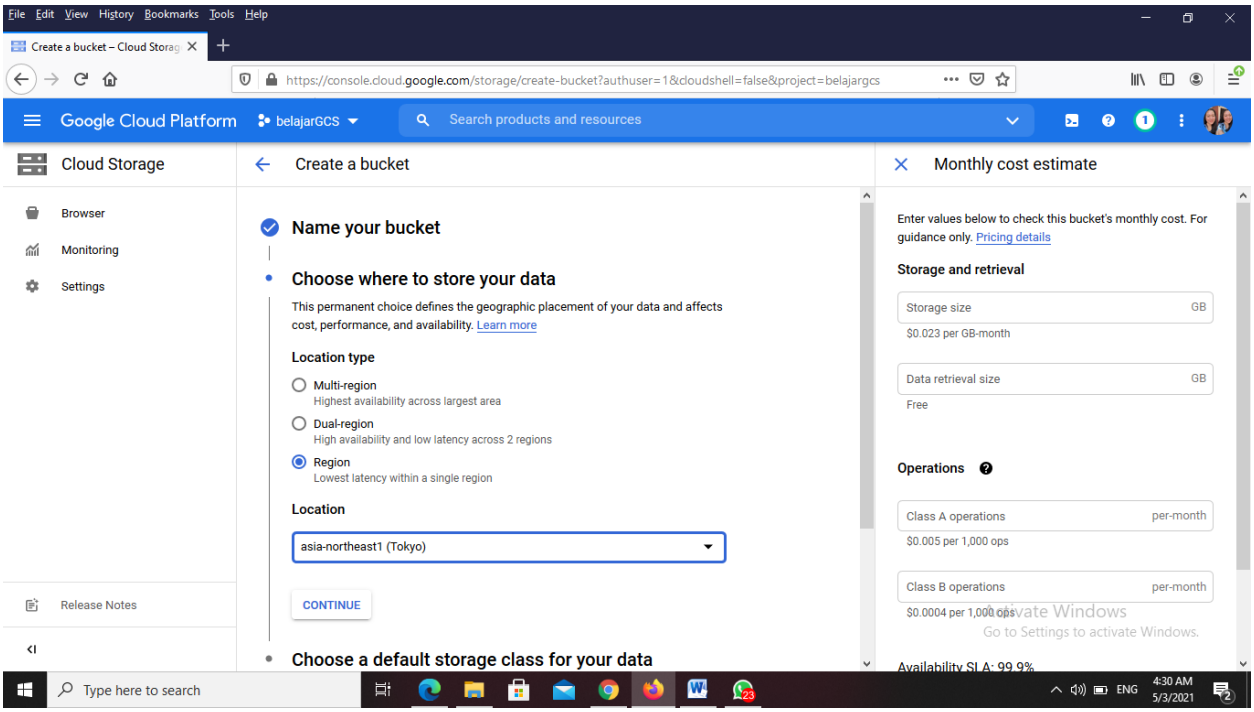

```
beatriceindry162000@cloudshell:~ (belajargcs)$ gsutil versioning set on gs://indrybucket
Enabling versioning for gs://indrybucket/...
beatriceindry162000@cloudshell:~ (belajargcs)$
```

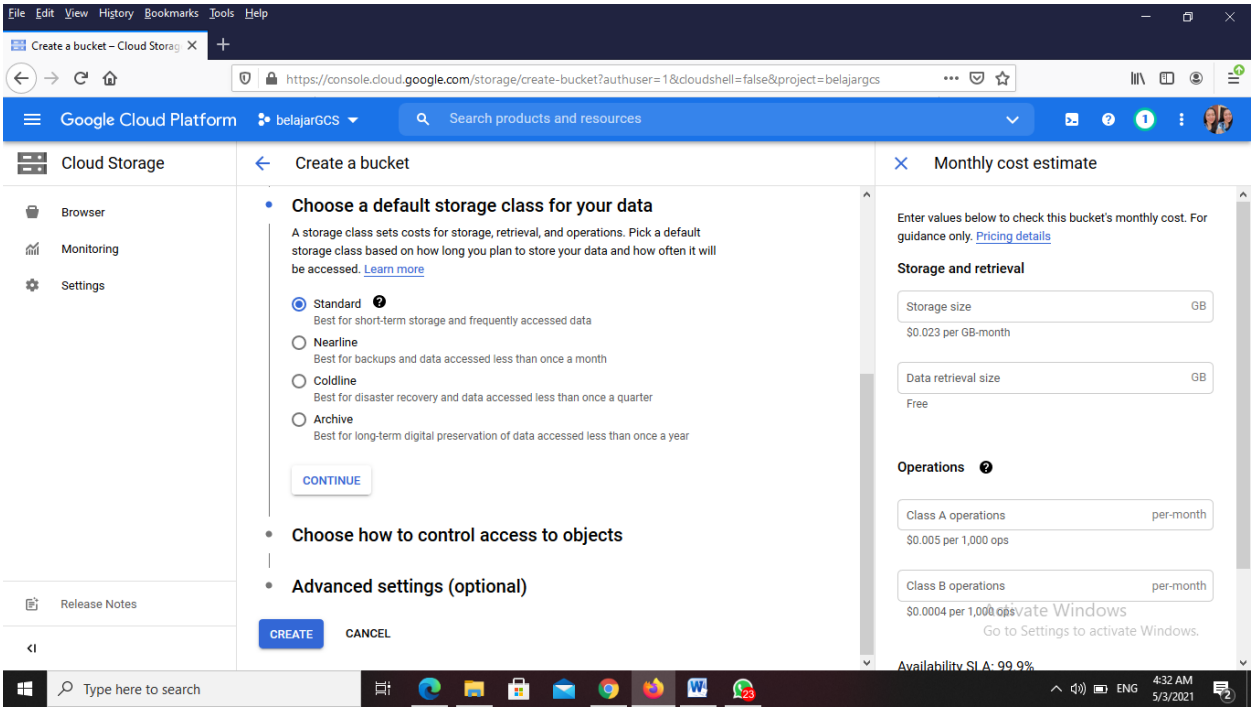
```
beatriceindry162000@cloudshell:~ (belajargcs)$ gsutil versioning get gs://indrybucket
gs://indrybucket: Enabled
beatriceindry162000@cloudshell:~ (belajargcs)$
```

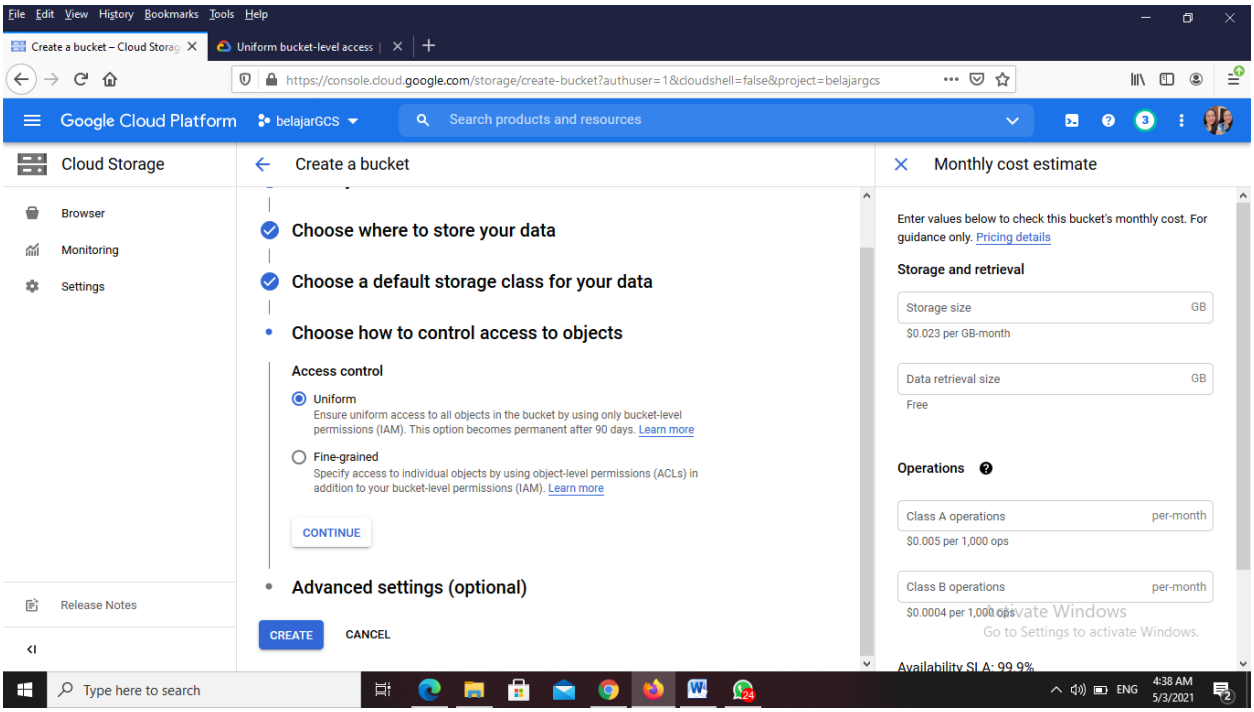
```
beatriceindry162000@cloudshell:~ (belajargcs)$ gsutil ls -a gs://indrybucket
gs://indrybucket/indry.jpeg#1620040328472172
beatriceindry162000@cloudshell:~ (belajargcs)$
```

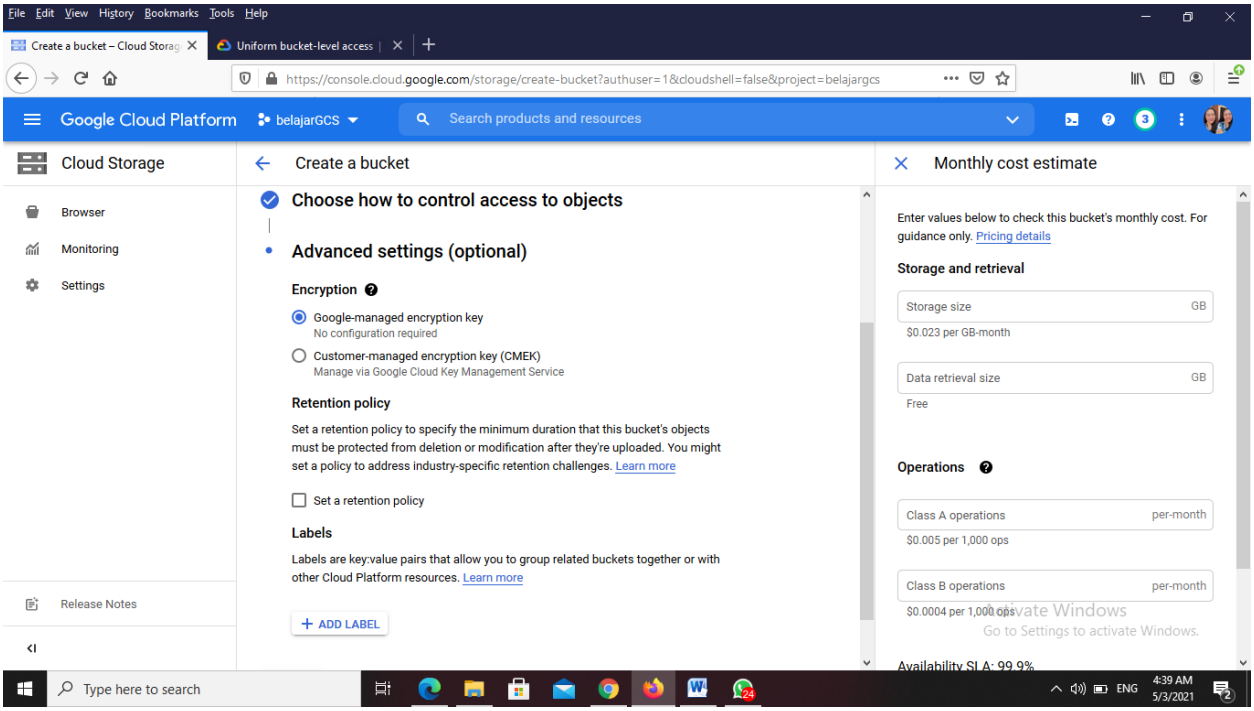
LATIHAN 2

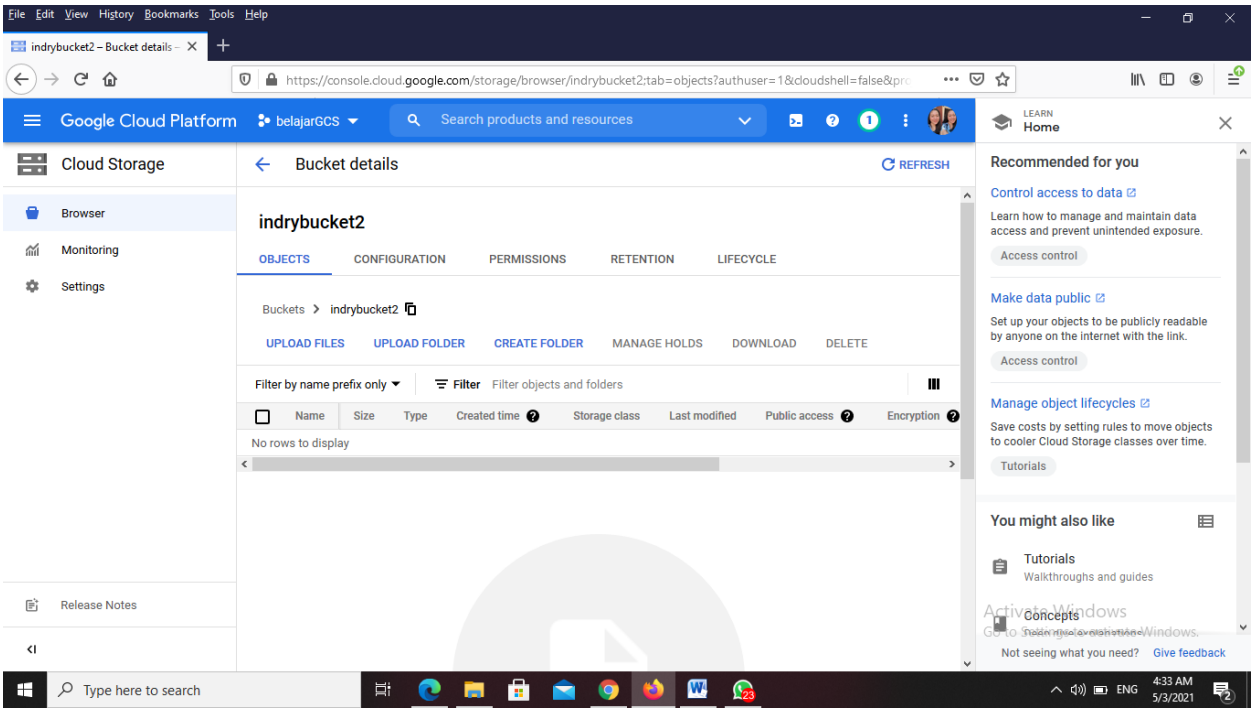

Create a bucket – Cloud Storag
https://console.cloud.google.com/storage/create-bucket?authuser=1&cloudshell=false&project=belajargcs
Google Cloud Platform
belajarGCS
Search products and resources
Cloud Storage
Create a bucket
Monthly cost estimate
Browser
Monitoring
Settings
Release Notes
Name your bucket
Pick a globally unique, permanent name. Naming guidelines
indrybucket2
Tip: Don't include any sensitive information
CONTINUE
Choose where to store your data
Choose a default storage class for your data
Choose how to control access to objects
Advanced settings (optional)
CREATE
CANCEL
Enter values below to check this bucket's monthly cost. For guidance only. Pricing details
Storage and retrieval
Storage size
GB
$0.023 per GB-month
Data retrieval size
GB
Free
Operations
Class A operations
per-month
$0.005 per 1,000 ops
Class B operations
per-month
$0.0004 per 1,000 ops
Activate Windows
Go to Settings to activate Windows.
Availability SLA: 99.9%
Type here to search
ENG
4:30 AM
5/3/2021

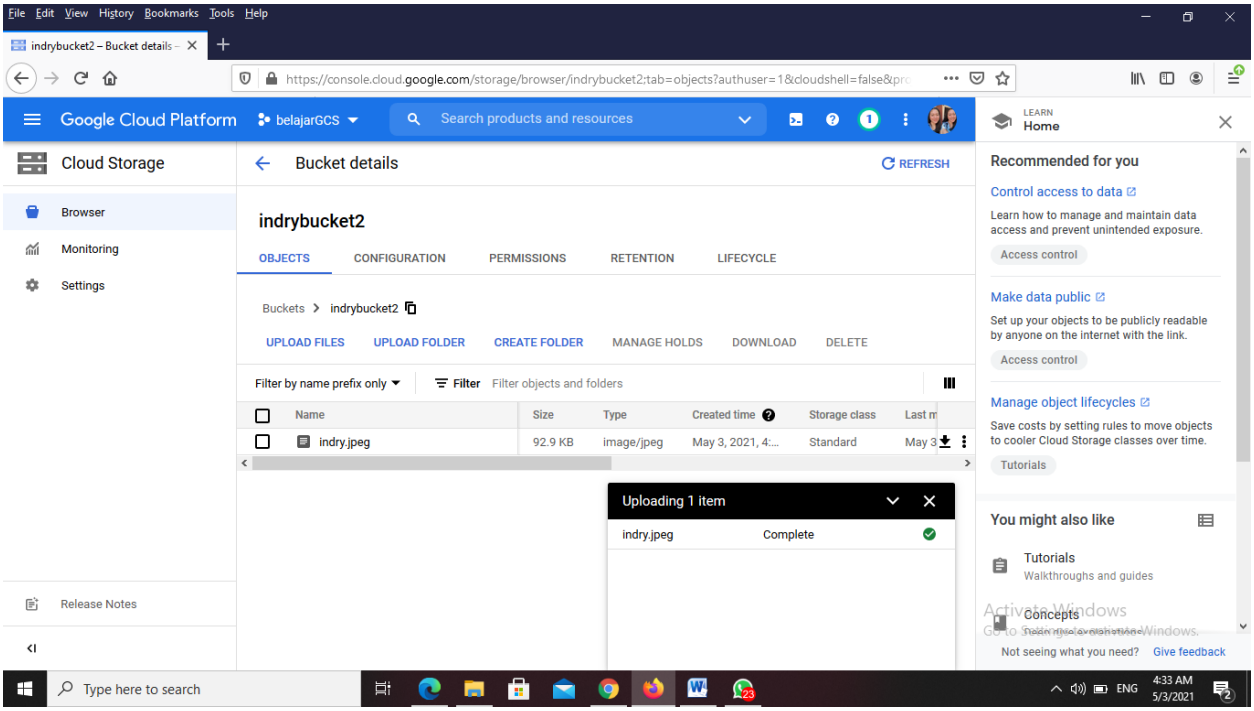

Create a bucket – Cloud Storag
https://console.cloud.google.com/storage/create-bucket?authuser=1&cloudshell=false&project=belajargcs
Google Cloud Platform
belajarGCS
Search products and resources
Cloud Storage
Create a bucket
Monthly cost estimate
Browser
Monitoring
Settings
Release Notes
Name your bucket
Choose where to store your data
This permanent choice defines the geographic placement of your data and affects cost, performance, and availability. Learn more
Location type
Multi-region
Highest availability across largest area
Dual-region
High availability and low latency across 2 regions
Region
Lowest latency within a single region
Location
asia-northeast1 (Tokyo)
CONTINUE
Choose a default storage class for your data
Enter values below to check this bucket's monthly cost. For guidance only. Pricing details
Storage and retrieval
Storage size
GB
$0.023 per GB-month
Data retrieval size
GB
Free
Operations
Class A operations
per-month
$0.005 per 1,000 ops
Class B operations
per-month
$0.0004 per 1,000 ops
Activate Windows
Go to Settings to activate Windows.
Availability SLA: 99.9%
Type here to search
ENG
4:30 AM
5/3/2021

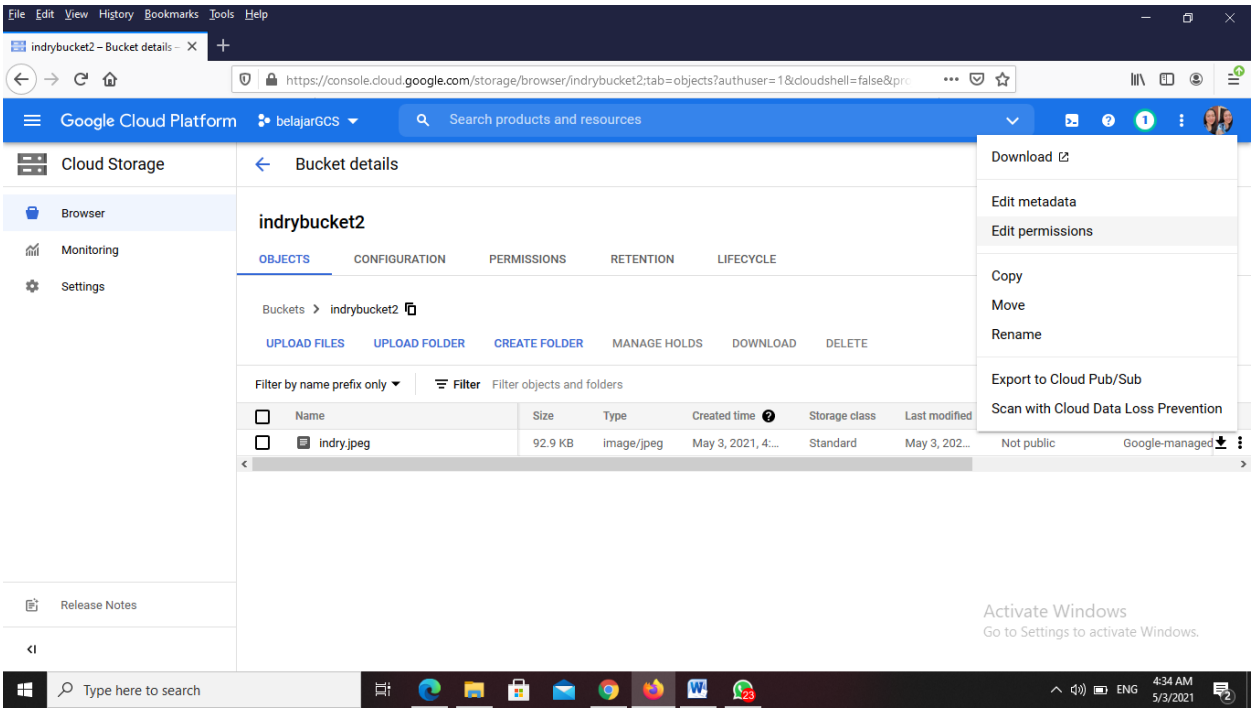

File Edit View History Bookmarks Tools Help
Create a bucket – Cloud Storag
https://console.cloud.google.com/storage/create-bucket?authuser=1&cloudshell=false&project=belajargcs
Google Cloud Platform
belajarGCS
Search products and resources
Cloud Storage
Create a bucket
Monthly cost estimate
Browser
Monitoring
Settings
Release Notes
Choose a default storage class for your data
A storage class sets costs for storage, retrieval, and operations. Pick a default storage class based on how long you plan to store your data and how often it will be accessed. Learn more
Standard
Best for short-term storage and frequently accessed data
Nearline
Best for backups and data accessed less than once a month
Coldline
Best for disaster recovery and data accessed less than once a quarter
Archive
Best for long-term digital preservation of data accessed less than once a year
CONTINUE
Choose how to control access to objects
Advanced settings (optional)
CREATE
CANCEL
Enter values below to check this bucket's monthly cost. For guidance only. Pricing details
Storage and retrieval
Storage size
GB
$0.023 per GB-month
Data retrieval size
GB
Free
Operations
Class A operations
per-month
$0.005 per 1,000 ops
Class B operations
per-month
$0.0004 per 1,000 ops
Activate Windows
Go to Settings to activate Windows.
Availability SLA: 99.9%
Type here to search
ENG
4:32 AM
5/3/2021

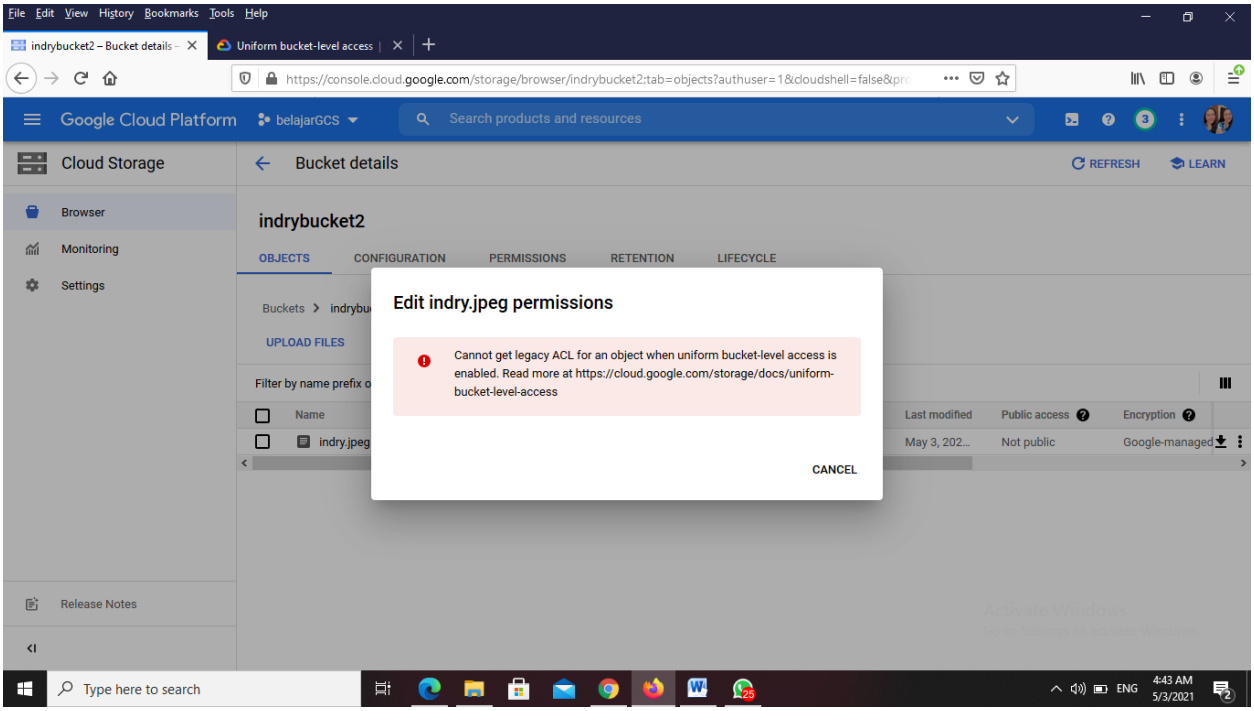

File Edit View History Bookmarks Tools Help
Create a bucket – Cloud Storag
Uniform bucket-level access
https://console.cloud.google.com/storage/create-bucket?authuser=1&cloudshell=false&project=belajargcs
Google Cloud Platform
belajarGCS
Search products and resources
Cloud Storage
Create a bucket
Monthly cost estimate
Browser
Monitoring
Settings
Release Notes
Choose where to store your data
Choose a default storage class for your data
Choose how to control access to objects
Access control
Uniform
Ensure uniform access to all objects in the bucket by using only bucket-level permissions (IAM). This option becomes permanent after 90 days. Learn more
Fine-grained
Specify access to individual objects by using object-level permissions (ACLs) in addition to your bucket-level permissions (IAM). Learn more
CONTINUE
Advanced settings (optional)
CREATE
CANCEL
Enter values below to check this bucket's monthly cost. For guidance only. Pricing details
Storage and retrieval
Storage size
GB
$0.023 per GB-month
Data retrieval size
GB
Free
Operations
Class A operations
per-month
$0.005 per 1,000 ops
Class B operations
per-month
$0.0004 per 1,000 ops
Activate Windows
Go to Settings to activate Windows.
Availability SLA: 99.9%
Type here to search
ENG
4:38 AM
5/3/2021

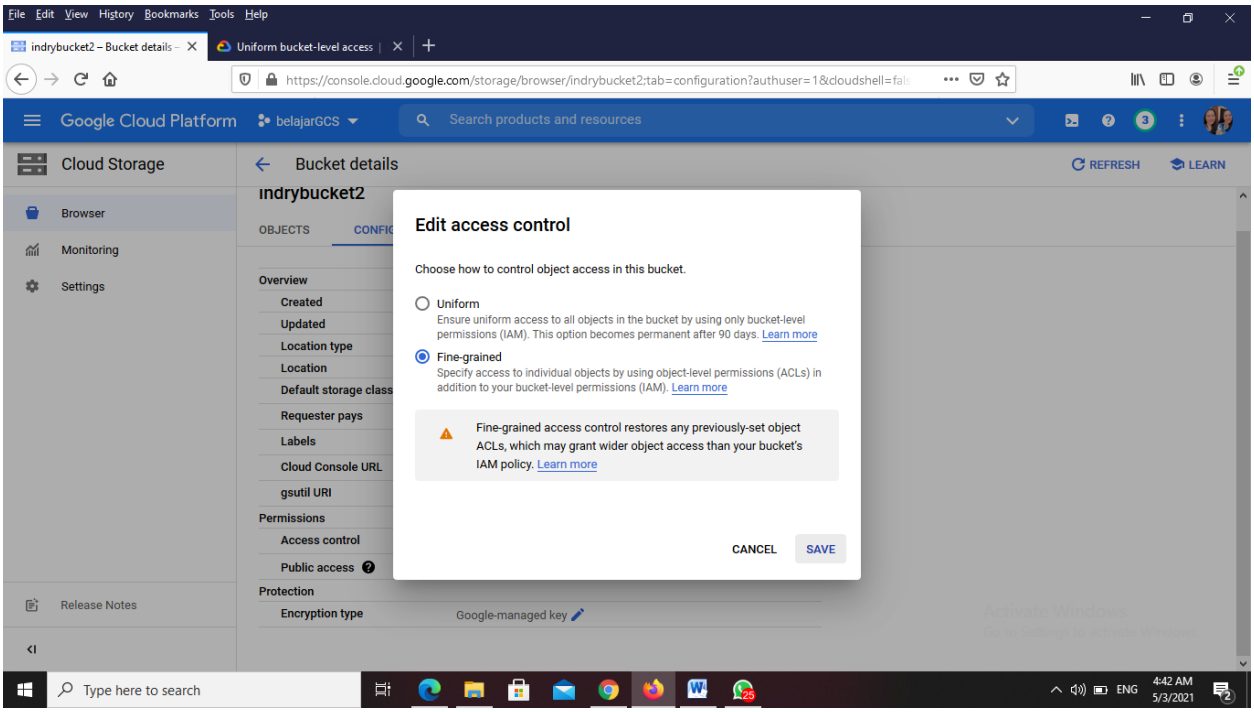

File Edit View History Bookmarks Tools Help
Create a bucket – Cloud Storag
Uniform bucket-level access
https://console.cloud.google.com/storage/create-bucket?authuser=1&cloudshell=false&project=belajargcs
Google Cloud Platform
belajarGCS
Search products and resources
Cloud Storage
Create a bucket
Browser
Monitoring
Settings
Release Notes
Choose how to control access to objects
Advanced settings (optional)
Encryption
Google-managed encryption key
No configuration required
Customer-managed encryption key (CMEK)
Manage via Google Cloud Key Management Service
Retention policy
Set a retention policy to specify the minimum duration that this bucket's objects must be protected from deletion or modification after they're uploaded. You might set a policy to address industry-specific retention challenges. Learn more
Set a retention policy
Labels
Labels are key:value pairs that allow you to group related buckets together or with other Cloud Platform resources. Learn more
ADD LABEL
Monthly cost estimate
Enter values below to check this bucket's monthly cost. For guidance only. Pricing details
Storage and retrieval
Storage size
GB
$0.023 per GB-month
Data retrieval size
GB
Free
Operations
Class A operations
per-month
$0.005 per 1,000 ops
Class B operations
per-month
$0.0004 per 1,000 ops
Activate Windows
Go to Settings to activate Windows.
Availability SLA: 99.9%
Type here to search
ENG
4:39 AM
5/3/2021

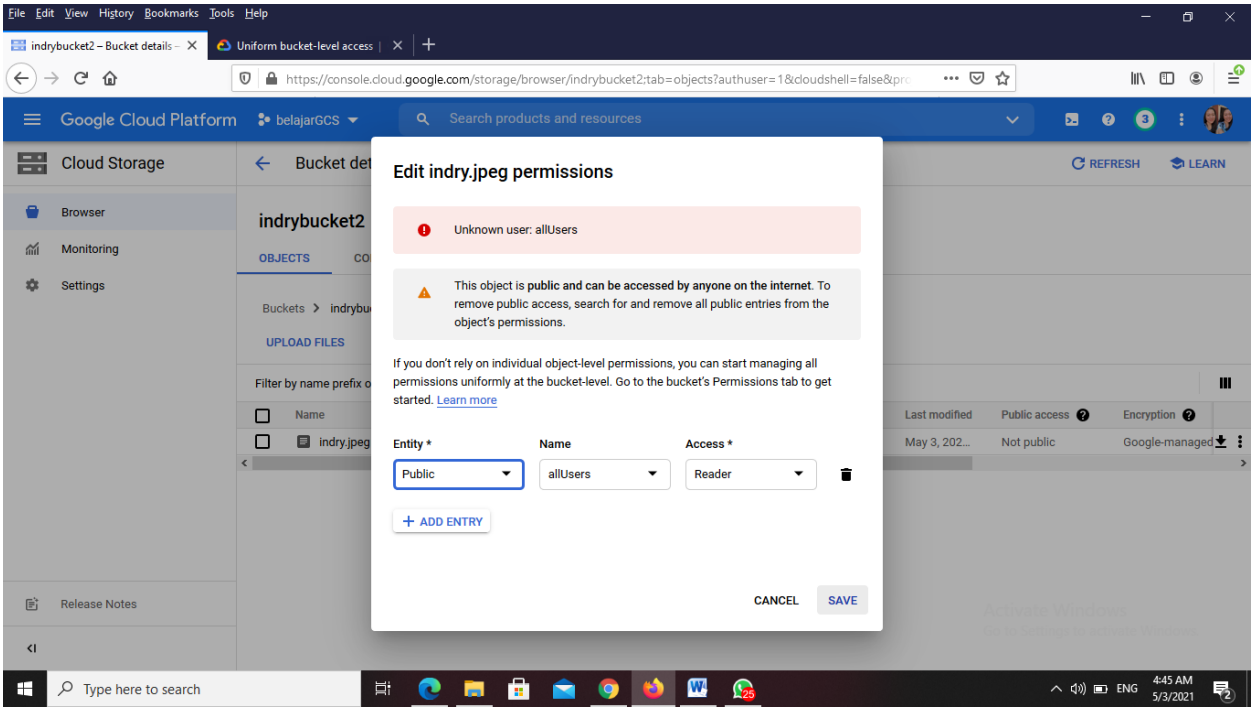

File Edit View History Bookmarks Tools Help
indrybucket2 – Bucket details
https://console.cloud.google.com/storage/browser/indrybucket2;tab=objects?authuser=1&cloudshell=false&pr
Google Cloud Platform
belajarGCS
Search products and resources
Cloud Storage
Bucket details
REFRESH
Browser
Monitoring
Settings
Release Notes
indrybucket2
OBJECTS
CONFIGURATION
PERMISSIONS
RETENTION
LIFECYCLE
Buckets
indrybucket2
UPLOAD FILES
UPLOAD FOLDER
CREATE FOLDER
MANAGE HOLDS
DOWNLOAD
DELETE
Filter by name prefix only
Filter
Filter objects and folders
Name
Size
Type
Created time
Storage class
Last modified
Public access
Encryption
No rows to display
LEARN
Home
Recommended for you
Control access to data
Learn how to manage and maintain data access and prevent unintended exposure.
Access control
Make data public
Set up your objects to be publicly readable by anyone on the internet with the link.
Access control
Manage object lifecycles
Save costs by setting rules to move objects to cooler Cloud Storage classes over time.
Tutorials
You might also like
Tutorials
Walkthroughs and guides
Concepts
Not seeing what you need?
Give feedback
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
4:33 AM
5/3/2021

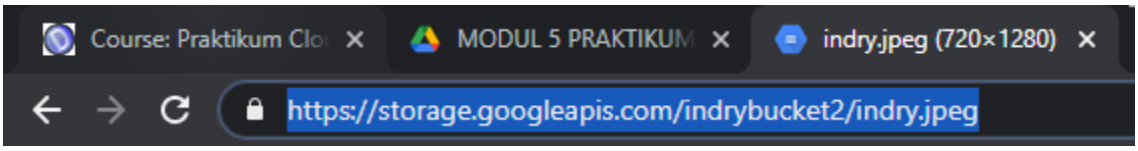

File Edit View History Bookmarks Tools Help
indrybucket2 – Bucket details
https://console.cloud.google.com/storage/browser/indrybucket2;tab=objects?authuser=1&cloudshell=false&pr
Google Cloud Platform
belajarGCS
Search products and resources
Cloud Storage
Bucket details
REFRESH
Browser
Monitoring
Settings
Release Notes
indrybucket2
OBJECTS
CONFIGURATION
PERMISSIONS
RETENTION
LIFECYCLE
Buckets
indrybucket2
UPLOAD FILES
UPLOAD FOLDER
CREATE FOLDER
MANAGE HOLDS
DOWNLOAD
DELETE
Filter by name prefix only
Filter
Filter objects and folders
Name
Size
Type
Created time
Storage class
indry.jpeg
92.9 KB
image/jpeg
May 3, 2021, 4:...
Standard
Uploading 1 item
indry.jpeg
Complete
LEARN
Home
Recommended for you
Control access to data
Learn how to manage and maintain data access and prevent unintended exposure.
Access control
Make data public
Set up your objects to be publicly readable by anyone on the internet with the link.
Access control
Manage object lifecycles
Save costs by setting rules to move objects to cooler Cloud Storage classes over time.
Tutorials
You might also like
Tutorials
Walkthroughs and guides
Concepts
Not seeing what you need?
Give feedback
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
4:33 AM
5/3/2021

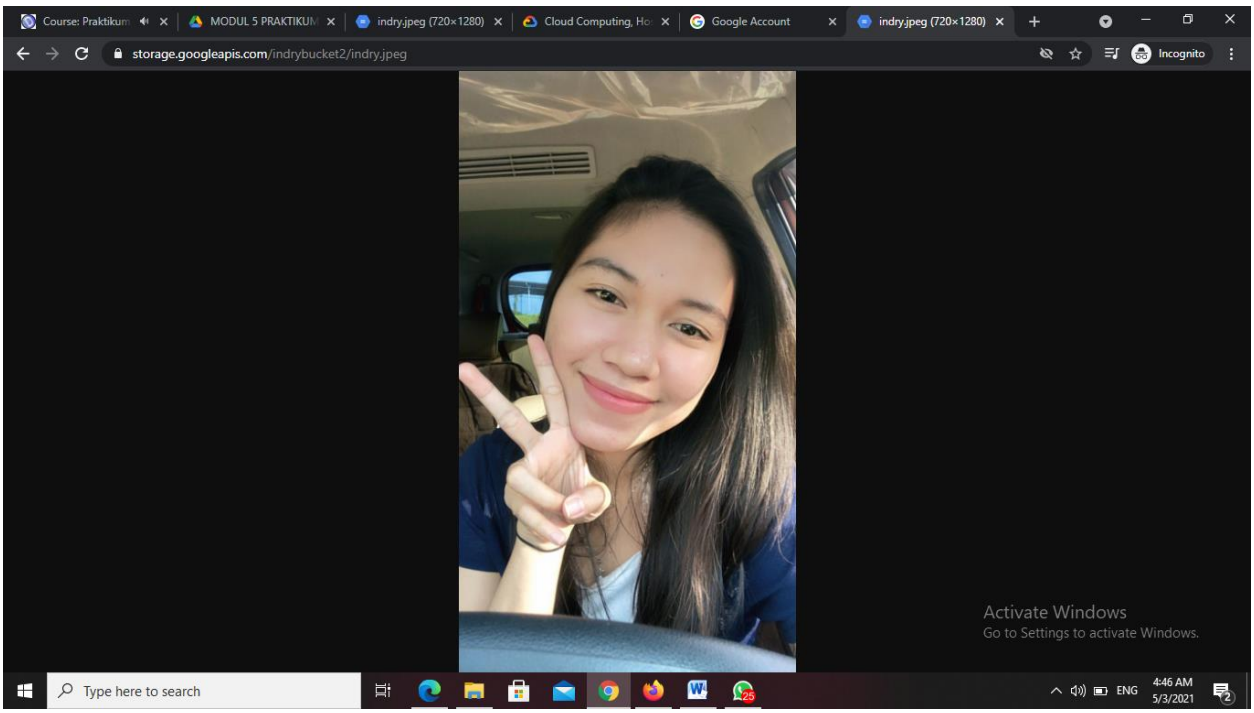

File Edit View History Bookmarks Tools Help
indrybucket2 – Bucket details
https://console.cloud.google.com/storage/browser/indrybucket2;tab=objects?authuser=1&cloudshell=false&pr
Google Cloud Platform
belajarGCS
Search products and resources
Cloud Storage
Bucket details
Browser
Monitoring
Settings
Release Notes
indrybucket2
OBJECTS
CONFIGURATION
PERMISSIONS
RETENTION
LIFECYCLE
Buckets
indrybucket2
UPLOAD FILES
UPLOAD FOLDER
CREATE FOLDER
MANAGE HOLDS
DOWNLOAD
DELETE
Filter by name prefix only
Filter
Filter objects and folders
Name
Size
Type
Created time
Storage class
Last modified
indry.jpeg
92.9 KB
image/jpeg
May 3, 2021, 4:...
Standard
May 3, 202...
Not public
Google-managed
Download
Edit metadata
Edit permissions
Copy
Move
Rename
Export to Cloud Pub/Sub
Scan with Cloud Data Loss Prevention
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
4:34 AM
5/3/2021

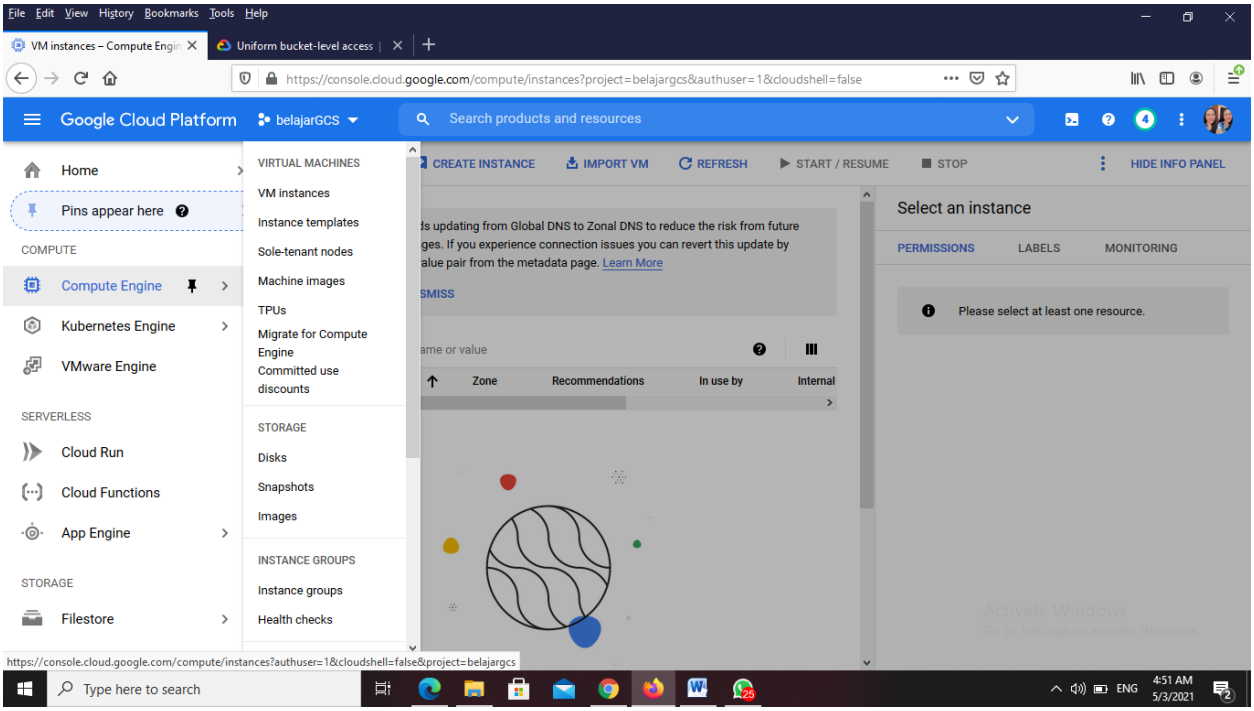

Edit indry.jpeg permissions
Cannot get legacy ACL for an object when uniform bucket-level access is enabled. Read more at https://cloud.google.com/storage/docs/uniform-bucket-level-access
CANCEL
indrybucket2
Bucket details
Cloud Storage
Google Cloud Platform
belajarGCS
Search products and resources
REFRESH
LEARN
OBJECTS
CONFIGURATION
PERMISSIONS
RETENTION
LIFECYCLE
UPLOAD FILES
Browser
Monitoring
Settings
Release Notes
Type here to search
4:43 AM
5/3/2021

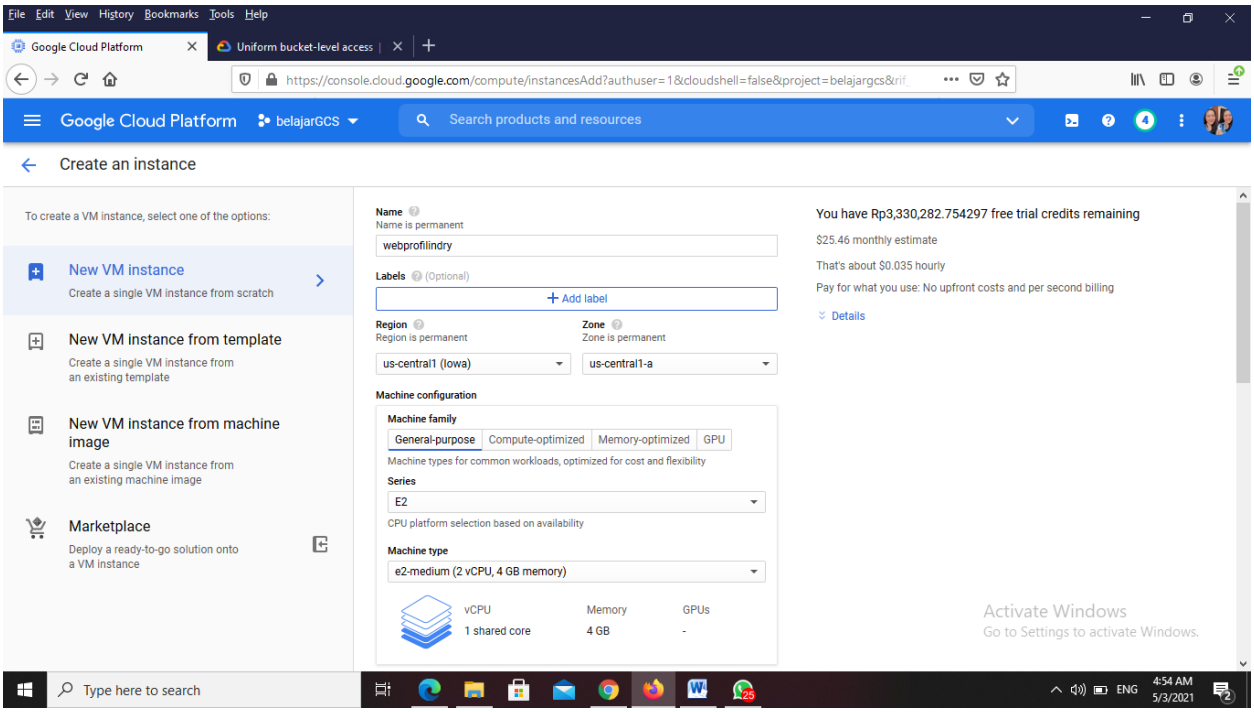

Edit access control
Choose how to control object access in this bucket.
Uniform
Ensure uniform access to all objects in the bucket by using only bucket-level permissions (IAM). This option becomes permanent after 90 days. Learn more
Fine-grained
Specify access to individual objects by using object-level permissions (ACLs) in addition to your bucket-level permissions (IAM). Learn more
Fine-grained access control restores any previously-set object ACLs, which may grant wider object access than your bucket's IAM policy. Learn more
CANCEL
SAVE
indrybucket2
Bucket details
Cloud Storage
Google Cloud Platform
belajarGCS
Search products and resources
REFRESH
LEARN
Overview
Created
Updated
Location type
Location
Default storage class
Requester pays
Labels
Cloud Console URL
gsutil URI
Permissions
Access control
Public access
Protection
Encryption type
Google-managed key
Browser
Monitoring
Settings
Release Notes
Type here to search
4:42 AM
5/3/2021

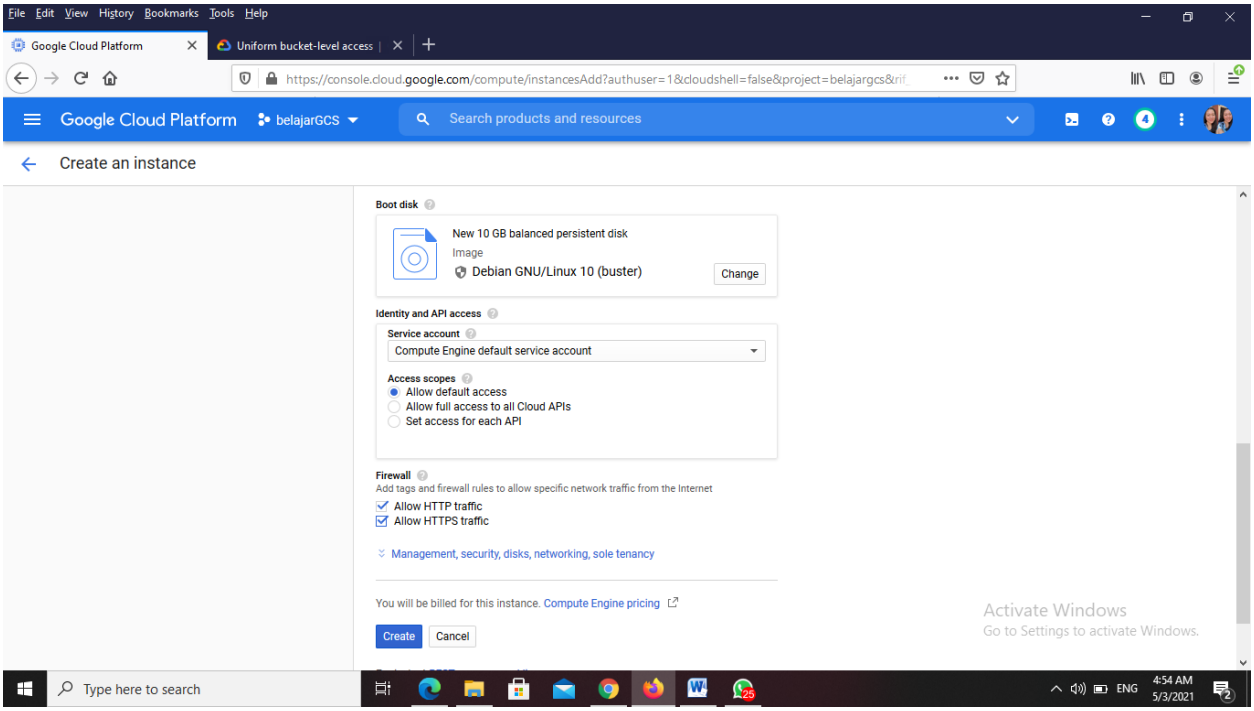

Edit indry.jpeg permissions
Unknown user: allUsers
This object is public and can be accessed by anyone on the internet. To remove public access, search for and remove all public entries from the object's permissions.
If you don't rely on individual object-level permissions, you can start managing all permissions uniformly at the bucket-level. Go to the bucket's Permissions tab to get started. Learn more
Entity *
Name
Access *
Public
allUsers
Reader
ADD ENTRY
CANCEL
SAVE
indrybucket2
Cloud Storage
Google Cloud Platform

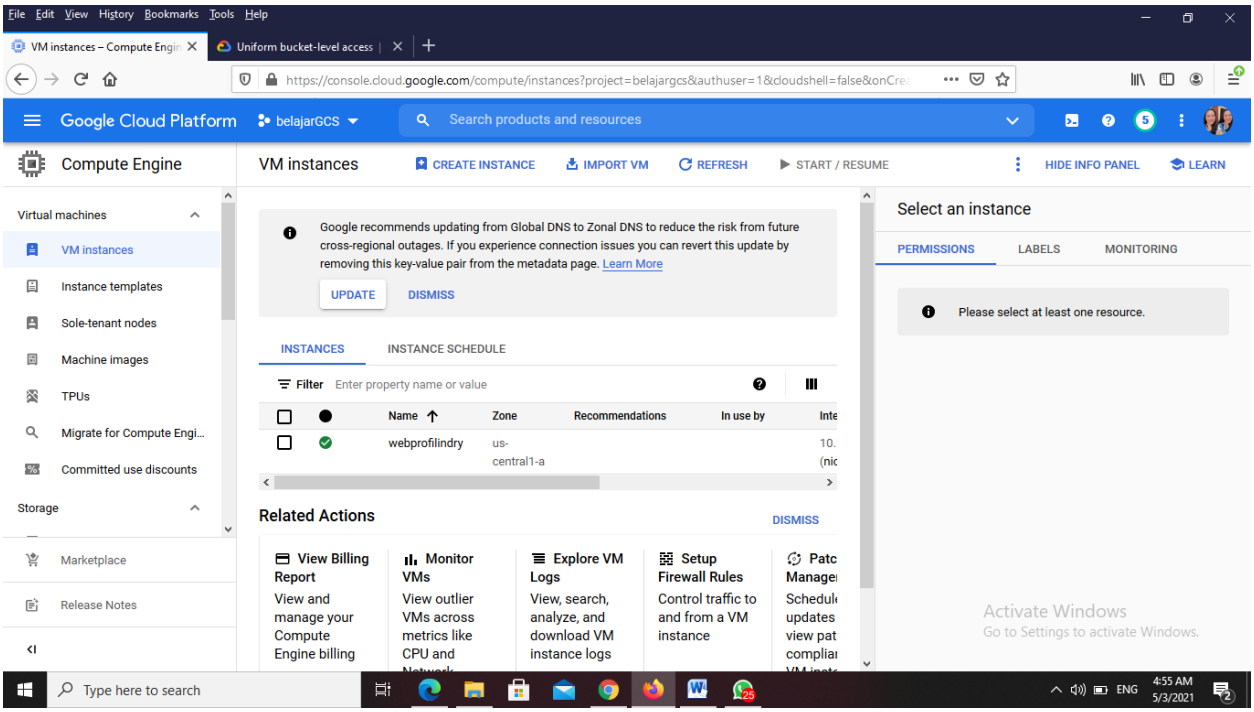

Course: Praktikum Clo
MODUL 5 PRAKTIKUM
indry.jpeg (720×1280)
https://storage.googleapis.com/indrybucket2/indry.jpeg

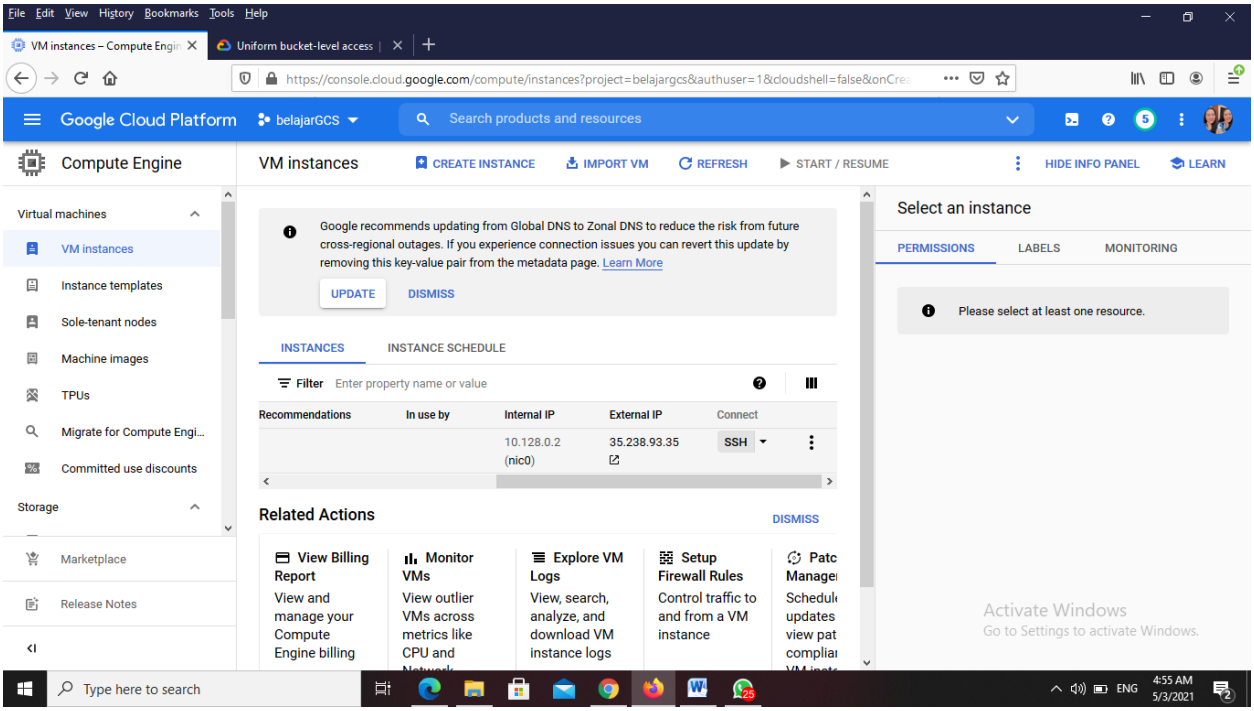

storage.googleapis.com/indrybucket2/indry.jpeg
Activate Windows
Go to Settings to activate Windows.


File Edit View History Bookmarks Tools Help
VM instances – Compute Engine
Uniform bucket-level access
https://console.cloud.google.com/compute/instances?project=belajargcs&authuser=1&cloudshell=false
Google Cloud Platform
belajarGCS
Search products and resources
Home
Pins appear here
COMPUTE
Compute Engine
Kubernetes Engine
VMware Engine
SERVERLESS
Cloud Run
Cloud Functions
App Engine
STORAGE
Filestore
VIRTUAL MACHINES
VM instances
Instance templates
Sole-tenant nodes
Machine images
TPUs
Migrate for Compute Engine
Committed use discounts
STORAGE
Disks
Snapshots
Images
INSTANCE GROUPS
Instance groups
Health checks
CREATE INSTANCE
IMPORT VM
REFRESH
START / RESUME
STOP
HIDE INFO PANEL
Select an instance
PERMISSIONS
LABELS
MONITORING
Please select at least one resource.
Zone
Recommendations
In use by
Internal
Type here to search
ENG
4:51 AM
5/3/2021


File Edit View History Bookmarks Tools Help
Google Cloud Platform
Uniform bucket-level access
https://console.cloud.google.com/compute/instancesAdd?authuser=1&cloudshell=false&project=belajargcs&rif
Google Cloud Platform
belajarGCS
Search products and resources
Create an instance
To create a VM instance, select one of the options:
New VM instance
Create a single VM instance from scratch
New VM instance from template
Create a single VM instance from an existing template
New VM instance from machine image
Create a single VM instance from an existing machine image
Marketplace
Deploy a ready-to-go solution onto a VM instance
Name
Name is permanent
webprofilindry
Labels (Optional)
Add label
Region
Region is permanent
us-central1 (Iowa)
Zone
Zone is permanent
us-central1-a
Machine configuration
Machine family
General-purpose
Compute-optimized
Memory-optimized
GPU
Machine types for common workloads, optimized for cost and flexibility
Series
E2
CPU platform selection based on availability
Machine type
e2-medium (2 vCPU, 4 GB memory)
vCPU
1 shared core
Memory
4 GB
GPUs
-
You have Rp3,330,282.754297 free trial credits remaining
$25.46 monthly estimate
That's about $0.035 hourly
Pay for what you use: No upfront costs and per second billing
Details
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
4:54 AM
5/3/2021


File Edit View History Bookmarks Tools Help
Google Cloud Platform
Uniform bucket-level access
https://console.cloud.google.com/compute/instancesAdd?authuser=1&cloudshell=false&project=belajargcs&rif
Google Cloud Platform
belajarGCS
Search products and resources
Create an instance
Boot disk
New 10 GB balanced persistent disk
Image
Debian GNU/Linux 10 (buster)
Change
Identity and API access
Service account
Compute Engine default service account
Access scopes
Allow default access
Allow full access to all Cloud APIs
Set access for each API
Firewall
Add tags and firewall rules to allow specific network traffic from the Internet
Allow HTTP traffic
Allow HTTPS traffic
Management, security, disks, networking, sole tenancy
You will be billed for this instance. Compute Engine pricing
Create
Cancel
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
4:54 AM
5/3/2021


File Edit View History Bookmarks Tools Help
VM instances – Compute Engin
Uniform bucket-level access
https://console.cloud.google.com/compute/instances?project=belajargcs&authuser=1&cloudshell=false&onCre
Google Cloud Platform
belajarGCS
Search products and resources
Compute Engine
VM instances
CREATE INSTANCE
IMPORT VM
REFRESH
START / RESUME
HIDE INFO PANEL
LEARN
Virtual machines
VM instances
Instance templates
Sole-tenant nodes
Machine images
TPUs
Migrate for Compute Engi...
Committed use discounts
Storage
Marketplace
Release Notes
Google recommends updating from Global DNS to Zonal DNS to reduce the risk from future cross-regional outages. If you experience connection issues you can revert this update by removing this key-value pair from the metadata page. Learn More
UPDATE
DISMISS
INSTANCES
INSTANCE SCHEDULE
Filter
Enter property name or value
Name
Zone
Recommendations
In use by
webprofilindry
us-central1-a
Related Actions
DISMISS
View Billing Report
View and manage your Compute Engine billing
Monitor VMs
View outlier VMs across metrics like CPU and
Explore VM Logs
View, search, analyze, and download VM instance logs
Setup Firewall Rules
Control traffic to and from a VM instance
Select an instance
PERMISSIONS
LABELS
MONITORING
Please select at least one resource.
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
4:55 AM
5/3/2021




```
Connected, host fingerprint: ssh-rsa 0 CB:7E:E4:B7:9E:06:AA:E1:23:E9:E4:91:E3:0A
:FC:BD:1A:40:35:8C:85:3F:24:78:F5:64:1D:D9:F8:2E:7A:14
Linux webprofilindry 4.19.0-16-cloud-amd64 #1 SMP Debian 4.19.181-1 (2021-03-19)
 x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
beatriceindry162000@webprofilindry:~$ sudo apt-get install nginx
```

beatriceindry162000@profilindry: ~ - Mozilla Firefox

https://ssh.cloud.google.com/projects/belajargcs/zones/us-central1-a/instances/profilindry?authuser=1&hl=en_US&projectNumber=778432451740&useAdminProxy=true

GNU nano 3.2 /var/www/html/index.nginx-debian.html

```
<!DOCTYPE html>
<html>
<head>
<title>Welcome to Indry Bucket</title>
<style>
    body {
        width: 35em;
        margin: 0 auto;
        font-family: Tahoma, Verdana, Arial, sans-serif;
    }
</style>
</head>
<body>
<h1>Welcome to Indry Bucket</h1>
<img src="https://storage.googleapis.com/indrybucket2/indry.jpeg">
</body>
</html>
```

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos M-U Undo M-A Mark Text M-] To Bracket M-Q Previous
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line M-E Redo M-6 Copy Text ^Q Where Was M-W Next

Activate Windows
Go to Settings to activate Windows.

Type here to search

ENG 5:21 AM 5/3/2021

File Edit View History Bookmarks Tools Help

VM instances – Compute Engin | Welcome to Indry Bucket

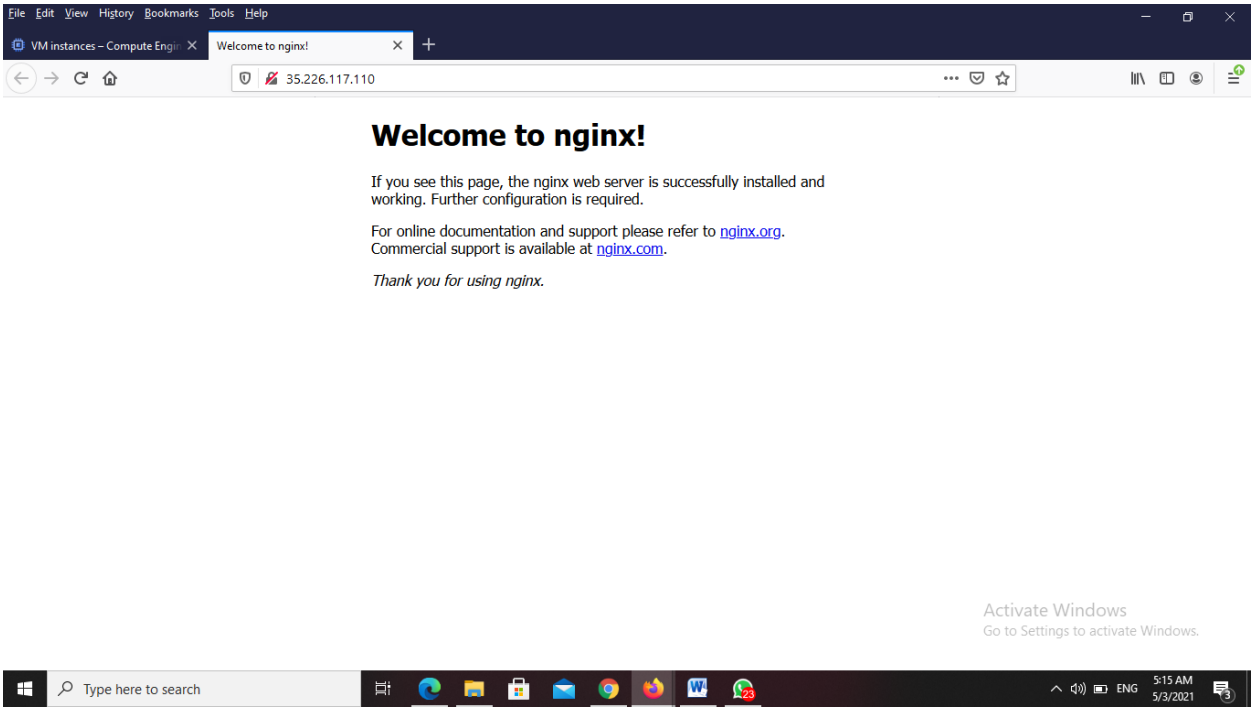
35.226.117.110

Welcome to Indry Bucket

Activate Windows
Go to Settings to activate Windows.

Type here to search

ENG 5:21 AM 5/3/2021


File Edit View History Bookmarks Tools Help
VM instances – Compute Engi
Welcome to nginx!
35.226.117.110
Welcome to nginx!
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.
Thank you for using nginx.
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
5:15 AM
5/3/2021