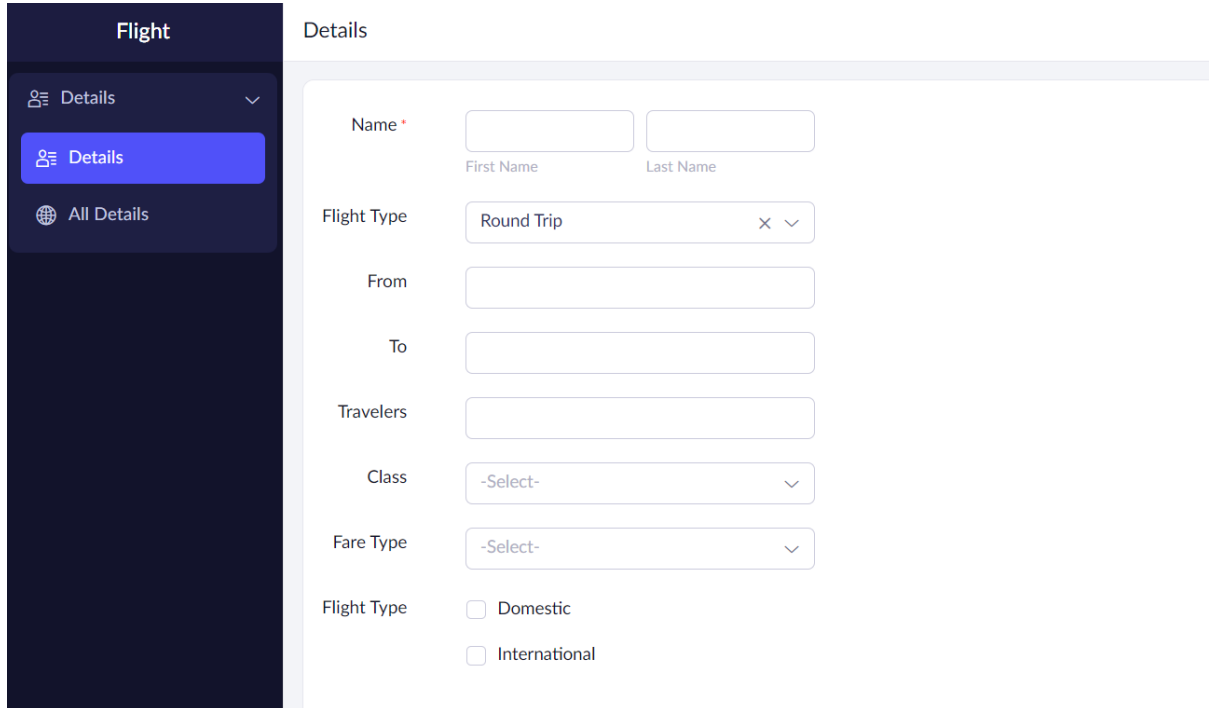


CLOUD COMPUTING LAB RECORD

EXP 1

Flight Resevation System



- Create a New Application:
- Click on “Create New Application.”
- Define the necessary fields for your FRS. Here are the fields you’ll need:
- Flight Type: A dropdown field with options for “One Way” and “Round Trip.”
- From: A text field for the departure location.
- To: A text field for the destination location.
- Departure Date: A date field for the departure date.
- Return Date: A date field (visible only for round trips).
- Travelers: A number field for the number of passengers.
- Class: A dropdown field with options for “Economy,” “Business,” and “First.”
- Fare Type: A dropdown field with options for “Standard,” “Premium,” and “Discounted.”
- International: A checkbox (Yes/No) to indicate international flights.
- Domestic: A checkbox (Yes/No) to indicate domestic flights.

EXP 2

Property Rental and Buying

The screenshot shows a mobile application interface for a property rental and buying system. It features a 'Basic Fields' section with a grid of input fields for Name, Email, Address, Phone, Single Line, Multi Line, Number, Date, Time, and Drop Down. The 'Add Items' section contains a list of input fields for Sales ID, Name, Mobile Number, Email Id, Date, Address, Plot No, and Price Per Sqft.

- Create a New Application:
- Click on “Create New Application.”
- Define the necessary fields for your Property Buying & Rental System.
- Property Type: A dropdown field with options for “Buy” and “Rent.”
- Commercial: A checkbox (Yes/No) to indicate commercial properties.
- Rental Agreement: A text field to store rental agreement details.
- Area: A text field for the property area.
- Place: A text field for the property location.
- Range: A numeric field for the price range.
- Property Value: A numeric field for the property value.
- Design Forms and Views:
- Create forms and views to handle property search, listing, and management.
- Design a form for property search with fields like Property Type, Area, Place, Range, etc.
- Create a separate form for property listing, including property details and images.
- Set up views to display available properties, booked properties, etc.

EXP 3

Cab Booking System

Book a Cab


Basic Fields

Name *
Employee ID *
Email Id *
Mobile Number *
Gender *
Booking Date *
Travel Date *
Pickup Time *
Pickup Address *
Destination Address *

- Click on “Create New Application.”
- Define the necessary fields for your Car Booking Reservation System
- Search for Cabs: A form to search for available cabs based on criteria like “From,” “To,” “Rental,” “Outstation,” etc.
- From: A text field for the pickup location.
- To: A text field for the drop-off location.
- Rental: A checkbox (Yes/No) to indicate rental booking.
- Outstation: A checkbox (Yes/No) to indicate outstation booking.
- Package Type: A dropdown field with options like “Standard,” “Premium,” etc.
- Hours/Days: A numeric field to specify the booking duration.
- Design Forms and Views:
- Create forms and views to handle cab search, booking, and management.
- Design a form for cab search with fields like “From,” “To,” “Rental,” “Outstation,” etc.
- Create a separate form for cab booking, including passenger details and payment information.
- Set up views to display available cabs, booked rides, etc.


EXP 4


Library System


SIMATS Library
Book Details


+


Basic Fields


Name


Email


Address


Phone


Single Line

Multi Line

123
Number

15
Date





Book Name

Author

Publication


123 Year

123 Edition

123 Copies

123 Rack No

Status





- Create a New Application:
- Click on “Create New Application.”
- Define the necessary fields as described above.
- Design Forms and Views:
- Create forms for book search, reservation, and management.
- Design a form for book search with fields like “Title,” “Author,” “Year,” etc.
- Create a separate form for booking, including user details and reservation dates.
- Set up views to display available books, reserved books, etc.


EXP 5


Marksheet Processing


Basic Fields



Name



Email



Address



Phone



Single Line


Multi Line


123
Number


15
Date


Time


Drop Down

Registration Number

Institute Name


Name *

Date of Joining *

Date of Birth *

Address *

Gender *

Nationality 

Section

123 Marks

% Percentage Scored


- Create a New Application
- Click on “Create New Application.”
- Define the necessary fields as described above.
- Design Forms and Views: Create forms for entering student details, subject-wise marks, and overall performance.
- Set up views to display student records, subject-wise marks, and performance summaries.


CSA1566 - CLOUD COMPUTING AND BIG DATA ANALYTICS
REGISTER NO: 192224147 NAME : SARVESH T


EXP 6


Product Selling
Add Warranty Product


Basic Fields



Name


Email


Address



Phone



Single Line



Multi Line

123

Number


Date


Time


Drop Down

Product Model *

Serial No *

Purchase Date *

Purchased From *

\$ Price Paid *

123 Warranty Period(in months) *

Invoice/Receipt No *


Any Comments/Suggestions

Your notes content will be shown here

Name *

- Go to zoho.com.
- Log into the zoho.com.
- Select one application step.
- Enter application name as product selling.
- Created new application as product selling.
- Select one form
- The software has been created.

EXP 7


 **Ubuntu 64-bit**

[Power on this virtual machine](#)
[Edit virtual machine settings](#)

▼ **Devices**

| | |
|------------------|----------------------|
| Memory | 2 GB |
| Processors | 2 |
| Hard Disk (SCSI) | 20 GB |
| CD/DVD 2 (SATA) | Using file D:\Clo... |
| CD/DVD (SATA) | Using file autoin... |
| Floppy | Using file autoin... |
| Network Adapter | NAT |
| USB Controller | Present |
| Sound Card | Auto detect |
| Printer | Present |
| Display | Auto detect |

▼ **Description**
Type here to enter a description of this virtual machine.



▼ **Virtual Machine Details**

State: Powered off
Configuration file: C:\Users\sarve\OneDrive\Documents\Virtual Machines\Ubuntu 64-bit\Ubuntu 64-bit.vmx
Hardware compatibility: Workstation Beta virtual machine
Primary IP address: Network information is not available

- Download VMware workstation and installed as type 2 hypervisor.
- Download ubuntu or tiny OS as iso image file.
- In VMware workstation->create new VM.
- Do the basic configuration settings.
- Created tiny OS virtual machine.
- Launch the VM.

EXP 8


▶ Power on this virtual machine
🔗 Edit virtual machine settings

▼ Devices

| | |
|--------------------|----------------------|
| Memory | 2 GB |
| Processors | 2 |
| Hard Disk (SCSI) | 20 GB |
| Hard Disk 2 (SCSI) | 20 GB |
| CD/DVD 2 (SATA) | Using file D:\Clo... |
| CD/DVD (SATA) | Using file autoin... |
| Floppy | Using file autoin... |
| Network Adapter | NAT |
| USB Controller | Present |
| Sound Card | Auto detect |
| Printer | Present |
| Display | Auto detect |

▼ Description

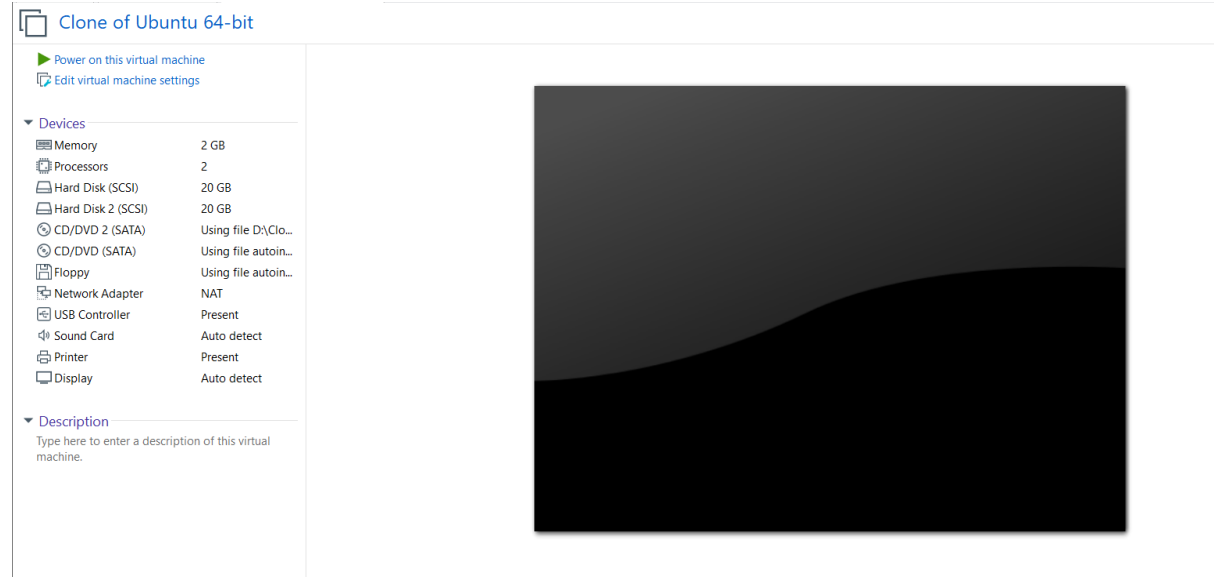
Type here to enter a description of this virtual machine.



▼ Virtual Machine Details

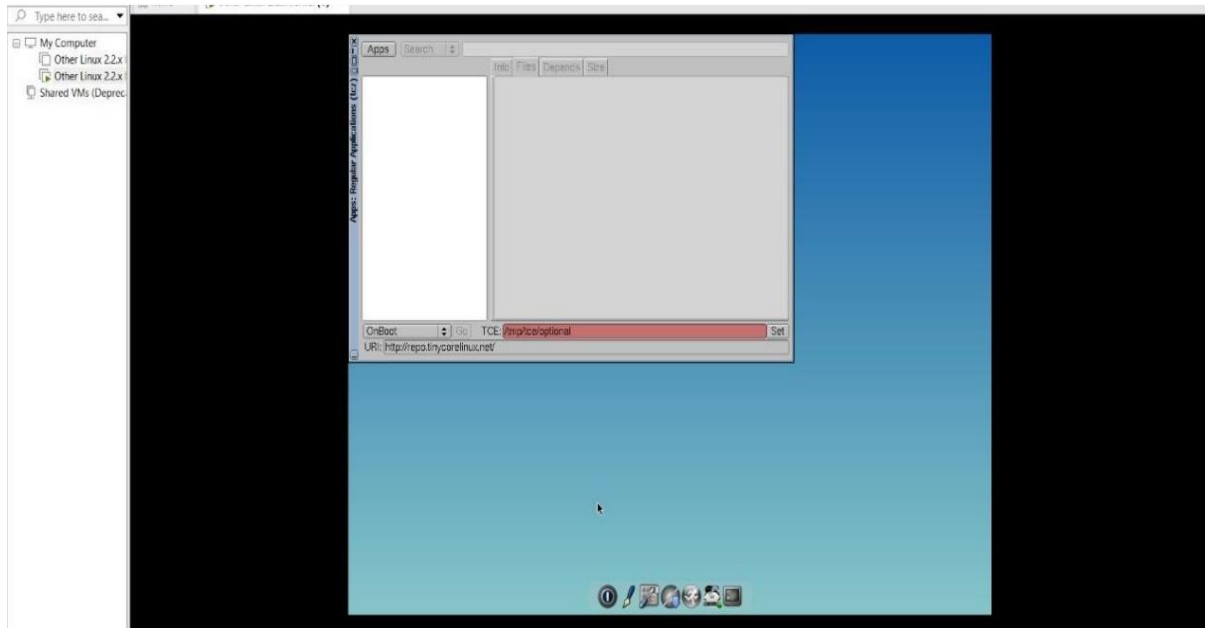
- Download VMware workstation and installed as type 2 hypervisor.
- Download ubuntu or tiny OS as iso image file.
- In VMware workstation->create new VM.
- Do the basic configuration settings.
- Created tiny OS virtual machine.
- Launch the VM.

EXP 9



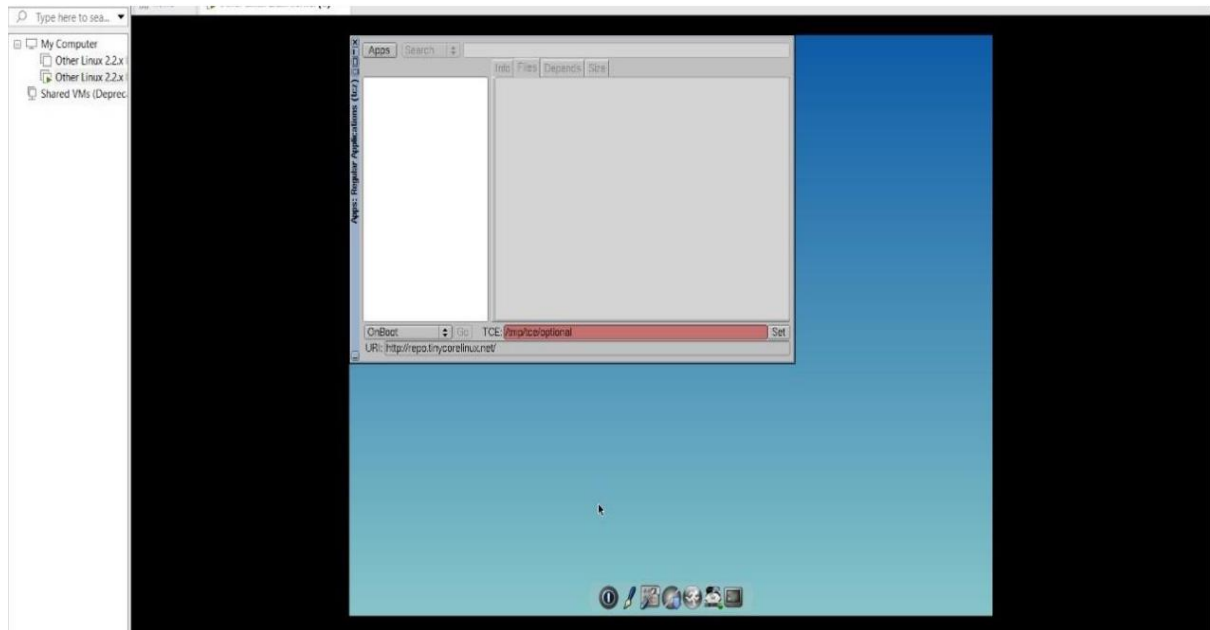
- Goto VMware Workstation.
- Right Click The Vm And Goto The Settings.
- Add Hardware Wizard And Select Scsi And Click Next.
- Create New Virtual Disk.
- Select The Disk Size As 2.0. And Select Split Virtual Disk Into Multi Files.
- Give Name And Click The Finish.

EXP 10



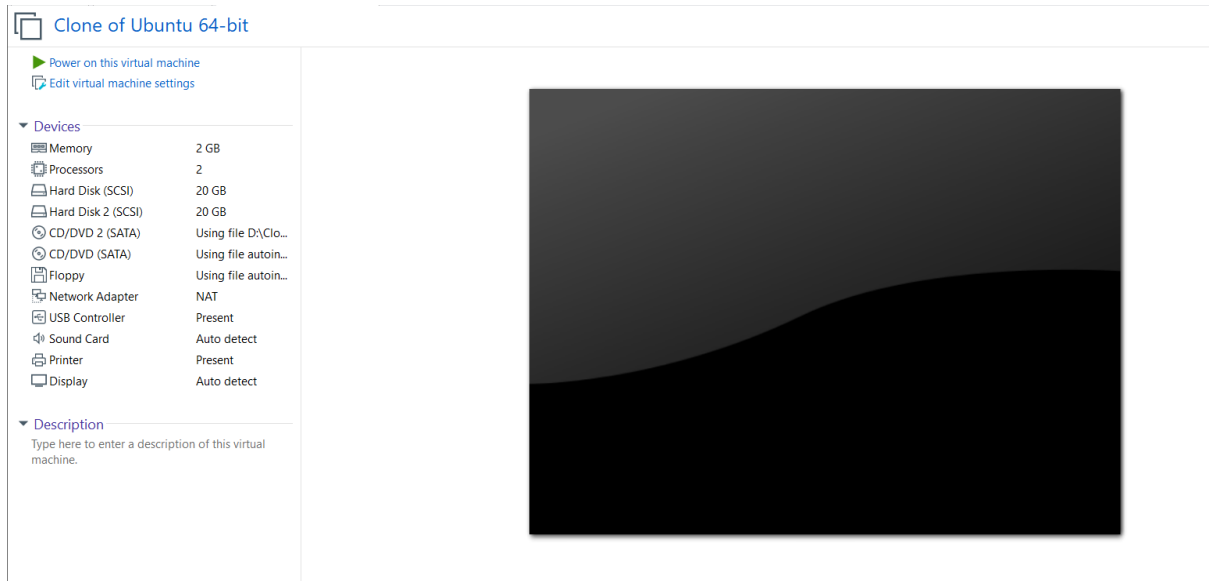
- Goto VMware Workstation.
- Create Files On Desktop.
- Click On Vm And Selects Snapshot-> Take Snapshot.
- Snapshot Is Being Done.

EXP 11



- Goto VMware Workstation.
- Create Files On Desktop.
- Click On Vm And Selects Snapshot-> Take Snapshot.
- Snapshot Is Being Done.

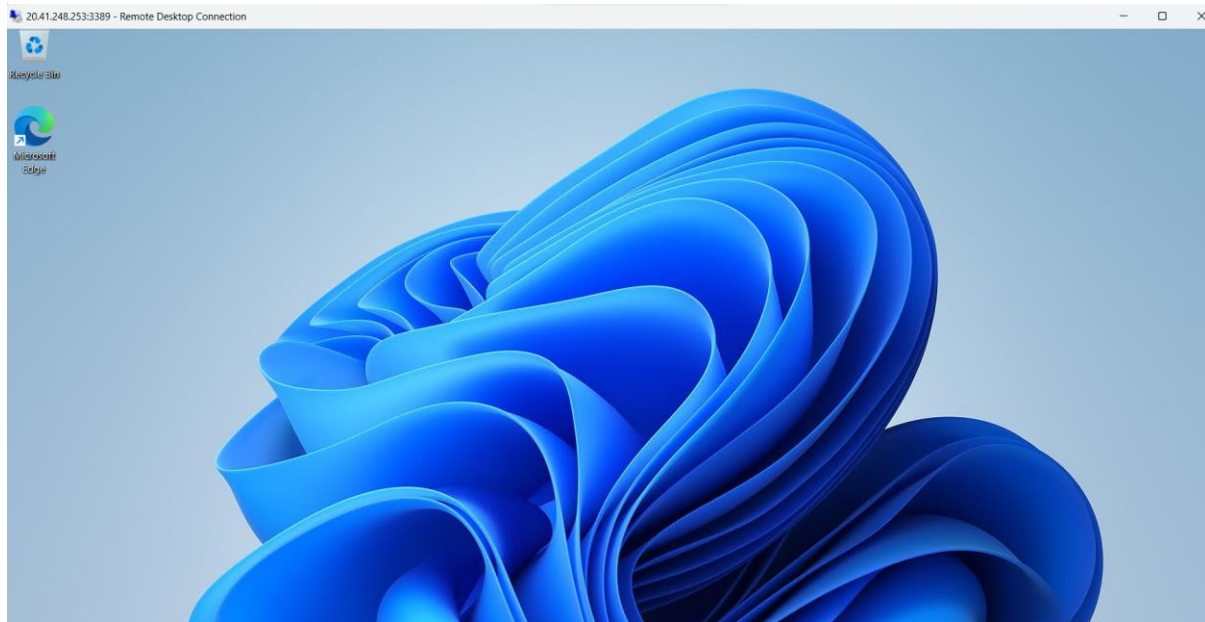
EXP 12



- Goto VMware Workstation.
- Right Click The Vm And Goto The Settings.
- Add Hardware Wizard And Select Scsi And Click Next.
- Create New Virtual Disk.
- Select The Disk Size As 20.0. And Select Split Virtual Disk Into Multi Files.
- Give Name And Click The Finish.

EXP 13

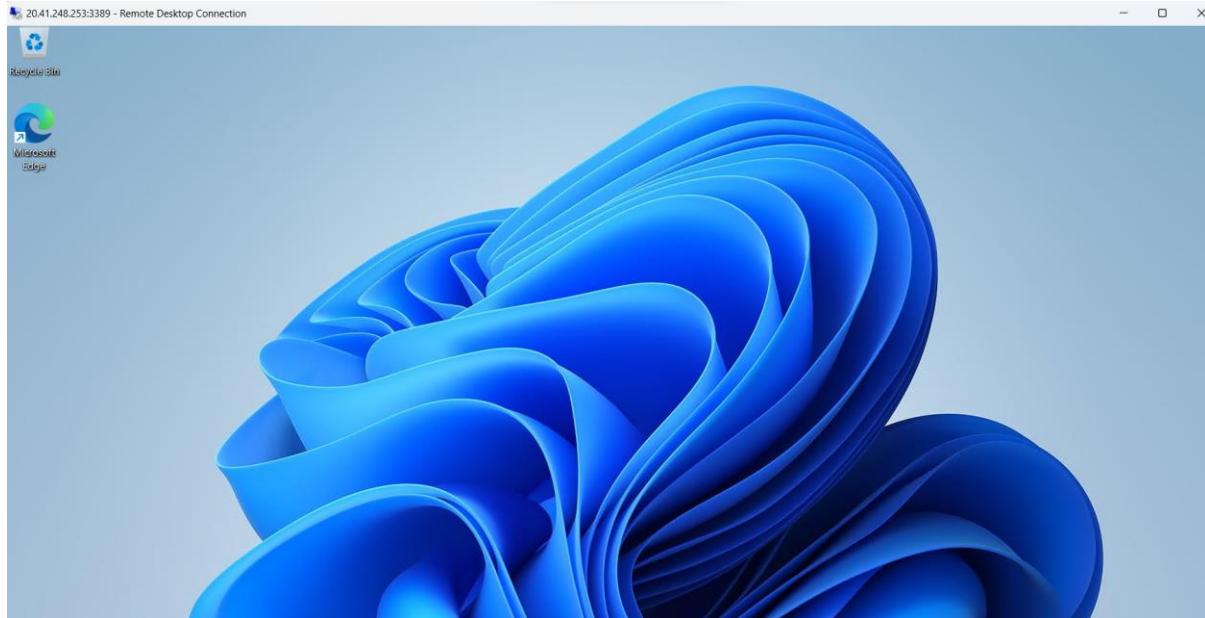
Creating a virtual machine using public cloud services in Microsoft Azure.



- CREATE AN ACCOUNT IN MICROSOFT AZURE.
- GOTO RESOURCE GROUP AND CREATE A RESOURCE GROUP.
- GIVE NECESSARY THINGS FOR RESOURCE GROUP.
- CREATE A VIRTUAL NETWORK FOR TO CREATE A VIRTUAL MACHINE .
- NOW CREATE A VIRTUAL MACHINE WITH UR IP ADDRESS AN USERNAME AND PASSWORD FOR YOUR VIRTUAL MACHINE.
- AND YOUR VIRTUAL MACHINE IS DEPLOYED.
- NOW CONNECT THE VIRTUAL MACHINE AND DOWNLOAD THE RDP FILE TO OPEN YOUR WINDOWS VIRTUAL MACHINE.
- NOW RESIZE THE VIRTUAL MACHINE SIZE.
- CREATED A NEW WINDOWS VIRTUAL MACHINE

EXP 14

DEMONSTRATE INFRASTRUCTURE AS A SERVICE(IAAS) BY CREATING A VIRTUAL MACHINE USING A PUBLIC CLOUD SERVICE PROVIDER(AZURE/GCP/AWS) CONFIGURE WITH MINIMUM CPU, RAM AND STORAGE AND LAUNCH THE VM IMAGE.



- CREATE AN ACCOUNT IN MICROSOFT AZURE.
- GOTO RESOURCE GROUP AND CREATE A RESOURCE GROUP.
- GIVE NECESSARY THINGS FOR RESOURCE GROUP.
- CREATE A VIRTUAL NETWORK FOR TO CREATE A VIRTUAL MACHINE.
- NOW CREATE A VIRTUAL MACHINE WITH UR IP ADDRESS AND USERNAME AND PASSWORD FOR YOUR VIRTUAL MACHINE.
- AND YOUR VIRTUAL MACHINE IS DEPLOYED.
- NOW CONNECT THE VIRTUAL MACHINE AND DOWNLOAD THE RDP FILE TO OPEN YOUR WINDOWS VIRTUAL MACHINE.
- CREATED A NEW WINDOWS VIRTUAL MACHINE


EXP 15 : CREATE A SIMPLE WEB SITE USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) AND CHECK THE PUBLIC ACCESSIBILITY OF THE STORED FILE TO DEMONSTRATE STORAGE AS A SERVICE



Your web app is running and waiting for your content

Your web app is live, but we don't have your content yet. If you've already deployed, it could take up to 5 minutes for your content to show up, so come back soon.



 Supporting Node.js, Java, .NET and more

Haven't deployed yet?
Use the deployment center to publish code or set up continuous deployment.

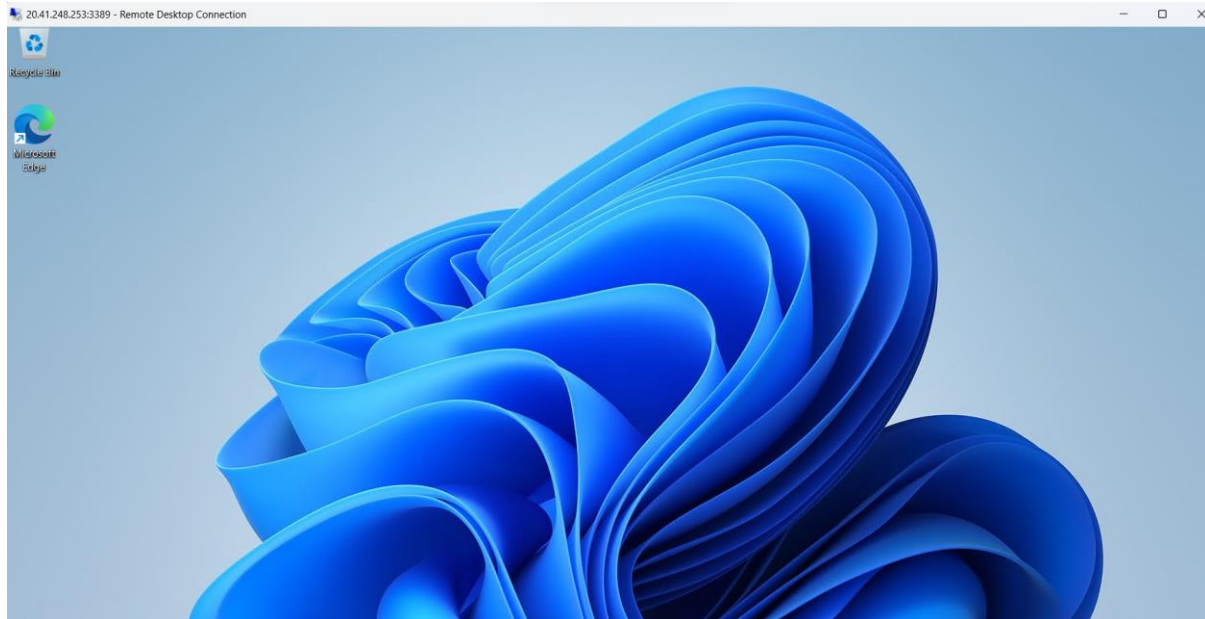
[Deployment center](#)

Starting a new web site?
Follow our Quickstart guide to get a web app ready quickly.

[Quickstart](#)

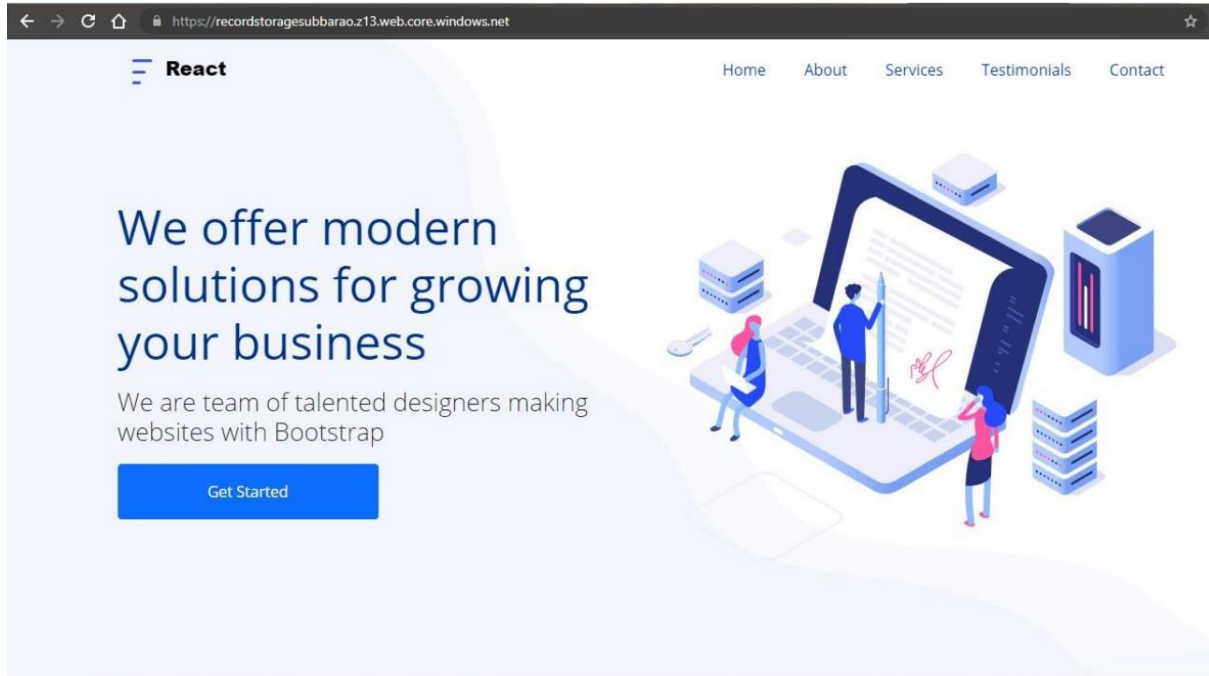
- FIRSTLY, GO TO APPSERVICE TO CREATE AN WEBAPP.
- ENTER THE RESOURCE GROUP AND WEBAPP NAME AND REGION AND SELECT THE LINUX OS.
- AFTER ENTER THE ALL THE NECESSARY THINGS CLICK THE REVIEW AND CREATE AND CLICK THE CREATE THE WEB APP.

EXP 16 : DEMONSTRATE INFRASTRUCTURE AS A SERVICE(IAAS) BY CREATING A VIRTUAL MACHINE USING A PUBLIC CLOUD SERVICE PROVIDER(AZURE/GCP/AWS) CONFIGURE WITH MINIMUM CPU, RAM AND STORAGE AND LAUNCH THE VM IMAGE



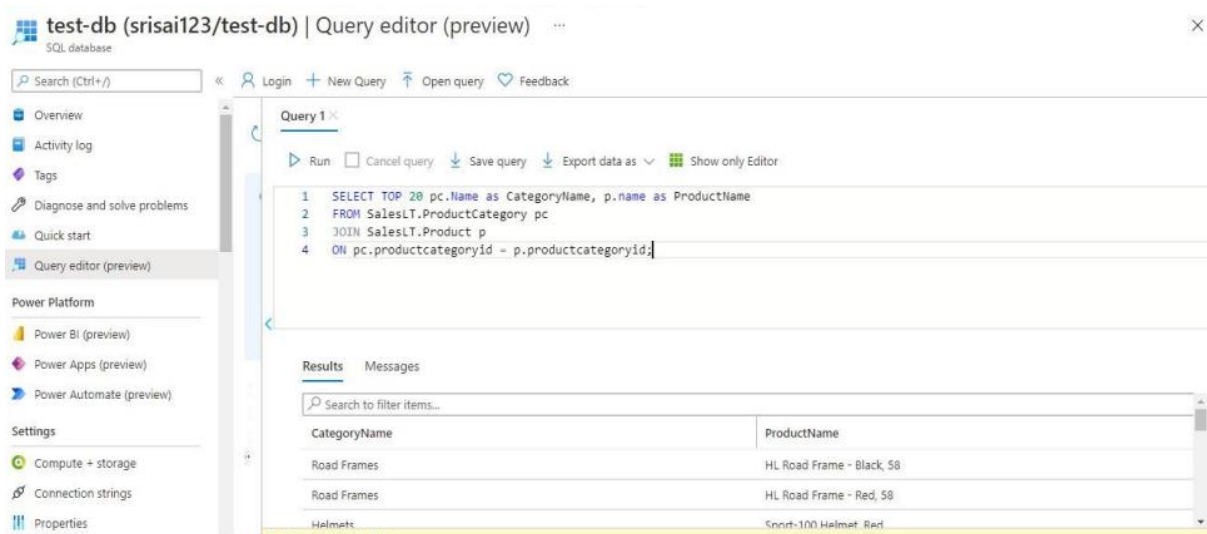
- CREATE AN ACCOUNT IN MICROSOFT AZURE.
- GOTO RESOURCE GROUP AND CREATE A RESOURCE GROUP.
- GIVE NECESSARY THINGS FOR RESOURCE GROUP.
- CREATE A VIRTUAL NETWORK FOR TO CREATE A VIRTUAL MACHINE.
- NOW CREATE A VIRTUAL MACHINE WITH UR IP ADDRESS AND USERNAME AND PASSWORD FOR YOUR VIRTUAL MACHINE.
- AND YOUR VIRTUAL MACHINE IS DEPLOYED.
- NOW CONNECT THE VIRTUAL MACHINE AND DOWNLOAD THE RDP FILE TO OPEN YOUR WINDOWS VIRTUAL MACHINE.
- CREATED A NEW WINDOWS VIRTUAL MACHINE

EXP 17 : CREATE A STORAGE SERVICE USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) AND CHECK THE PUBLIC ACCESSIBILITY OF THE STORED FILE TO DEMONSTRATE STORAGE AS A SERVICE



- OPEN AZURE AND GOTO STORAGE ACCOUNTS AND CREATE STORAGE ACCOUNT
- ENTER THE RESOURCE GROUP AND STORAGE ACCOUNT NAME AND REVIEW AND CREATE AND CLICK THE CREATE AND YOUR STORAGE ACCOUNT WILL BE DEPLOYED SUCCESSFULLY.
- OUR STORAGE ACCOUNT IS CREATED. STEP 4: GOTO STATIC WEBSITE
- AND ENABLE AND ENTER YOUR INDEX AND ERROR HTML FILES NAMES.
- AND GOTO STORAGE EXPLORER (REVIEW) AND GOTO BLOB CONTAINERS AND WEB AND UPLOAD THE TWO HTML FILES
- AND AGAIN RETURN TO STATIC WEBSITE AND OPEN THE PRIMARY LINK AND YOUR WEB PAGE IS CREATED

EXP 18 : CREATE A SQL STORAGE SERVICE AND PERFORM A BASIC QUERY USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) TO DEMONSTRATE DATABASE AS A SERVICE (DAAS)



- GOTO AZURE AND GOTO SQLDATABASE.
- Now Create a Sql Database
- SELECT THE RESOURCE GROUP AND ENTER THE SERVERNAME THAT APPLICABLE.
- IN NETWORKING SELECT ALLOW AZURE SERVICES AND RESOURCES TO ACCESS THIS SERVER.
- IN ADDITIONAL SETTINGS SELECT SAMPLE.
- AND THE SQL DATABASE IS DEPLOYED
- NOW GOTO QUERY EDITOR.
- NOW AGAIN LOGIN TO THE SQL DATADATABASE
- OUR TABLES WILL SHOWN AND TYPE THE QUERY TO EXECUTED