



MOOLJI JAITHA COLLEGE, JALGAON

Faculty of Commerce & Management
Professional Courses

COMPUTER LABORATORY

Name Poonali Ajay Vagade
Title of Practical Installation & Configuration of Virtualization
Class ITBIA Batch 1 Performed on _____
Roll No. 18 Practical No. 8 Submitted on _____
Remarks _____ Returned on _____

Installation and Configuration of Virtualization using KVM.

Virtualization is software that separates physical infrastructures to create various dedicated resources. It is the fundamental technology that powers cloud computing.

Virtualization makes servers, workstations, storage and other systems independent of the physical hardware layer. This is done by installing a hypervisor on top of the hardware layer where the system are then installed.

• How to install KVM virtualization.

- 1) Run the virt-manager command to open the virtual machine manager
- 2) click create a new virtual machine
- 3) on the wizard, enter a name for the virtual machine
- 4) Select local install media click forward
- 5) select use ISO image and click Browse to select the product ISO file.
- 6) Select the operating system as linux with version generic 2.6 x kernel.
- 7) click forward Enter the memory size ex 1024GB
- 8) click forward Enter the for example - 8
8 click forward.

- 9) Select the network bridge. Select customize configuration before install click finish.
- 10) click Add hardware.
- 11) Select Network select the Network bridge & click again.
- 12) Repeat Step (10, 11)
- 13) on the KVM Console, follow the steps to complete the installation.
- 14) Press Enter key after the disk partitioning and installation is complete wait for the appliance login Prompt to be displayed.
- 15) Provide the following user credentials when the system restarts after the virtual appliance installation.
 - UnConfigured login : admin
 - Password : admin.

• Configuration

- 1) Check hardware Virtualization Support.
- 2) Install KVM.
- 3) Create Network Gateway
- 4) Configure Network bridge.
- 5) Create a virtual machine
- 6) Connect to KVM and install Server
- 7) Install the True Conf Server



COMPUTER LABORATORY

Name Pranali Abay Varade
Title of Practical Study of Cloud Security management
Class YBCA Batch 1 Performed on _____
Roll No. 18 Practical No. 9 Submitted on _____
Remarks _____ Returned on _____

Study of cloud Security management

Defination

Cloud security management is not a single concept or product. It is actually complementary combination of strategies, tools and practice that are intended to help a business that host workloads and data in cloud efficiently & cost effectively --- yet limit the threats & vulnerabilities that even present in complex public network as well as shared cloud resource & service.

Steps for perform or evaluate Cloud Security management.

1) Ensure effective Governance and Compliance
most organization have security, privacy & compliance & procedures to protect their IP & address assets.

2) Audit operation & business process.

It is important to audit the compliance of IT system vendors that host the application & data in cloud.

3) Manage people, roles & identities.

using the cloud means there will be employees from the cloud service providers that can

Access - the data & applications.

4) Proper protection of data.

The security & protection of data both at rest & in transit need to be ensured.

5) Enforce Privacy Policies -

Privacy & protection of personal information & data is crucial especially as many companies & financial institutions.

6) Assess Security Considerations for cloud application organizations - are constantly protecting their business applications from internal & external threats.

7) Cloud networks & connections are secure.

Cloud service provider must allow legitimate network traffic & block malicious traffic.



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COMPUTER LABORATORY

Name Pranavi Ajay Varade
Title of Practical Write a Program web feed
Class YBCA Batch 1 Performed on _____
Roll No. 18 Practical No. 10 Submitted on _____
Remarks _____ Returned on _____

Write a Program web feed.

Define

Web feed is the data format providing frequently updated contents to the users. The content distributions syndicate feed contents to allow the users to subscribe feed contents. Web feed is also known as syndicate feed or news feed.

To access a collection of web feeds, Aggregation is used so that the users collect information.

How to use web feeds:

When a website is first visited, the browser will look for the feeds & if a feed is available, the feed icon will change colour. The browser website to subscribe feed, click the feed button on the website to find out of the feeds.

Click & then subscribe to this feed. The subscribed feed can be seen in favourite center. To see the feeds can be seen, centre button & then click feeds.

Steps:-

- 1) Set up a cloud account & log in to the Cloud Platform.
- 2) Select the operate Cloud Services for hosting your web feed like AWS for Storage
- 3) Upload your feed content to the Cloud Storage Services.
- 4) Configure permission & access setting for your feed content.
- 5) Set up a serverless functions or a service to generate & update the feed content dynamically.
- 6) Test your web feed to ensure its working. Currently in cloud environment.
- 7) Monitor & manage your web feed keep it running smoothly.



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COMPUTER LABORATORY

Name Pranali Ajay Varade
Title of Practical Software as a Service (SaaS)
Class IT-BCA Batch B1 Performed on _____
Roll No. 18 Practical No. 11 Submitted on _____
Remarks _____ Returned on _____

SaaS - Software as a Service

Definition -

Software as a Service (SaaS) is a software distribution model that gives customers access to applications over the internet, rather than requiring a physical media & custom installation.

How does SaaS work -

SaaS products are centrally hosted by a who also maintains & updates the software automatically. Customer access & use them via the web & mobile browsers.

SaaS Examples -

- 1) Hubspot - Hubspot offers a CRM platform complete with all the tools & integrations you need for marketing.
- 2) Slack - Slack offers an incredibly popular chat tool business, which can be used for internal messaging, video conferencing & productivity bots.

3) Zoom-: Provides video conferencing tools for hosting remote meetings - the company has seen exponential growth in past few.

4) Square-: Square is a credit card processing app that lets business easily accept credit payment without cash register.

5) Atlassian-: Atlassian Products, including, Trello, Confluence & Jira, are aimed at improving software development project management collaboration & code quality.

Many Atlassian Products are cloud based while other are on-premise & data center products.