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٦.	Application Of Electronic Payment System in Banks	08/03/2022	12/03/2022	
	Payment system in Banks	•		
3.	Application of Data Communic	08/03/2022	12/03/2022	
4.	its impact on Banks	15/04/2022	15/04/2022	
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5.	Application of Security Took in Banking Sector	22/04/2022	22/04/2022	
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### **SKILL ACTIVITY NO: 1**

(To be filled by the Student)

Title:

Banking Use Cases related to Communication Network

- 1. What is the purpose of this activity? (Explain in 3-4 lines) The purpose of this activity is to research about ?-
- L. What communication orchitecture Bankie Branches uses in their office?
- network topology they prefer for their Networking sotup such as L. Which Routers, suitchei, seiver?
- L. Which Thin Os they deploy on their survey's for Running banking explications?
- Concept of converged Networks & Technology behind it? All above usecases needs to be find out. & that's the main we purpose behind this preactical activity.
- 2. Step performed in this activity (Explain in 5-6 lines) steps performed in this activity are as follows:

Step1: Fisst we visited our Nearest Bank Branch.

step2: Their we take permission on the behalf of our college.

steps: After that, we requested to Branch Manager Mam, the state to grant permit

for analysing. Tech shfrastruture of their own branch. the stuff Related

Step 4: Then, we talk to 2 engineer -> SRE Engineer -> Main Job Role is to analyze all the stuff Related to operations

Eostware Based & managup CISCO Routeu & Switcher.

L. All pc internet Access. Step 5: Finally, this ended our visit successfully.
In respective Branch.

Date: 25/02/2022

## STACK BANK BRANCHES ARE USING MOSTLY: # TECH

We have decided to make an analysis of the well known Indian Bark, the want account to show what tech stack they are using for communication Network as well as Application Development.

## in HDAC Bank:

L. Frameworks: Ruby on Rails & Gatsby.js Javascript Libraries & Functions: jouers, jawry bs, Angulass, Radis Web Hosting Providers Amazon Aws EC2 Infrastructure, Aws S3, CON Rack Cache Cashing:

Analytics & Tracking: Hotjar (using Heat Map, user activity recording) Optimizely ( A/B Testing), Google Analytics.

# # INAN MANAGEMENT APPROACHES USED BY BIG BANKS:

(i) WHN Management via the causies: Banks often use telecom earries to provide network management fortheir WANS. Most telecom carriers offer on option hat includes a router for termination of MPLs circutes. Internet access circuits etc.

Pros: Least experience option

Core perovider also provide a Network Cons. Minimal support. Management option for our Bank's WAN. (ii) WAN Management via Core Providers: Most banks that we this strategy like the convenience of using a single provider for both core processing & WAN connectwity. This option pravides a single point of contact as well as a single bill for our Bank's solution. Pros: Lingle Bill. Lingle point of cordact Cons. Most expensive option, lémited carrier choice.

3. What resources / materials / equipments / tools  1. Resources: https:// safetystems.com/Cisco 5  L. Bank's Branch employees.  2. L. hup: // www. openstack.org.  3. L. Alpe: // www. mckinsog. com/business-fund 7	. Tools: Laptop/Desktop-Pc . Windows 10(0s) . chrome web Browser L. Vehicle, Bank Branch
4. What skills did you acquire?  1. Wolth about Communication Networks  ( basics of ) Leg: LAN, WAN, MAN, PAN  2. et. 6.	
3. How multiple Banks are Using different (24: HDFC) topologies for 7. their Infrastructure. 4. Management. 8.	Role of Public Service le Private service Cloud Providers.
5. Time taken to complete the activity ?	02:00 (hours)

Manay Kanay

Signature of Student

MAN Management via a Managed Sorvices Provides (MSP).

Many banks opt to me 3rd party MSP's to manage their WAN connections.

Many Toleran carrier offers unmanaged circuits (i.e. they offer a viruit

many option that doesn't include a managed router).

only option that doesn't include a managed router).

Pros: Best support, competitive pricing, multiple carrier option cons: Multiple sells, multiple contacts.

# OPENSTACK - THE NEW OPENSOURCE CLOUD WAY

management of the WAN solution.

Lo Openstack is a set of software components that provide common services for cloud infrastructure. It is the most widely beployed open-sown

cloud software in the world. Cloud Ingrastructure for Virtual Machines,

L. Bare Metal le contaînes -> It controls large pooks of compute, storage & Networking Resources all managed through APIs or a dashboard

Le Beyond Standard infrastructure—as a Service functionality, additional components provide oschustration, fault management le service management amongst other services to ensur High availability of user applications.

Services Offered By Openstack Cloud Platform!

For computing: NOVA

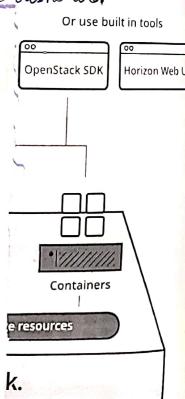
- For Networking: NEUTRON

L. For Block Storage: CINDER

L. FOT IAM: KEYSTONE

L. For Image: GLANCE

L. For Dashboard: HORIZON



Scanned with CamScanner

Above Cloud St. 1 Cloud Will	Core	CIB Fintedu Servi		Portal
Diagram Represents, How CIB with Openstack.  Let 2020, CIB Finted Composite the first Chinese Find Jakes the part of IT solutions for bank banks	eMetal OVS	NAS Load Upgrade Object Router Alarms	Advance Elastic Network Topology Firewalls Tickets	Bashboard CLI Thirdsyckonic Monito
by CLB, Kingdom Technology a albed InfoTectu & New Fault UB, Kingdom Technology a albed InfoTectu & New Fault Bank link Pletform mainly providing financial banks partners such as commercial banks, medium banks partners so far, Fintech Cloud's Openstick Environment to more Nodes.	Storage Resource	Traffic Statistics Monitor Statistics  *Billing Report Manage	Monitor service tio Physical Virtual Monitor Monitor Monitor Service Resource	
al Shdustry  al Shdustry  Apriledu & New Faud,  financial  financial  medium banks  Me Environment	Security Group	Audit	Authority Account	Security  Authentication