



AZURE MANAGED SERVICES REPORT

Review period: 1st August 2021 – 31st August 2021

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Review

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1. Purpose of this document

This document provides an overview of the Microsoft Azure infrastructure, services, its consumption, and cost optimization proposals. This document could serve as input to Architecture team and management for review and optimization of the infrastructure.

2. Subscriptions in Scope

SL. No	SUBSCRIPTION NAME	SUBSCRIPTION ID
1	Microsoft Azure – Jana Bank	d1a2b8ac-7453-4a4d-9cb3-4672328b2b6c

3. Azure Services Deployed

- APP SERVICE
- APP SERVICE PLAN
- AUTOMATION ACCOUNT
- AVAILABILITY SET
- APPLICATION GATEWAY
- LOGIC APP
- LOAD BALANCER
- LOG ANALYTICS WORKSPACE
- NETWORK SECURITY GROUP
- NETWORK INTERFACE
- PUBLIC IP ADDRESS
- RECOVERY SERVICE VAULT
- RESTORE POINT COLLECTION
- SHARED DASHBOARD
- SNAPSHOT
- STORAGE ACCOUNT
- VIRTUAL MACHINE
- VIRTUAL NETWORK

4. Review Report

4.1. MSP Tasks performed

- NSG & Threat deduction Security Policies are already enabled.
- Alerts and Notifications for business-critical services and infrastructure. Resources running on Azure Subscription are already configured and intact.
- Incident Management as when required based on an agreed SLA.
- Assistance on New deployments.
- WAF settings done on production and stage application gateways.

4.2. Backup Audit

- Backup Audit has been completed for the servers and working as per schedule.
- Everyday Backup will happen on time.
- Alerts are enabled for Backup. Alerts will notify in the event of backup failure.

4.3. Security

- Threat Detection and Analytics using Azure Security Center.
- Relevant alerts and notifications for business-critical services based on acceptable threshold levels are already configured.

5. New Resource Deployments

No new resources were deployed during August 2021

6. Incidents Report

Case Title	Case Number	Owner	Status	Time Spent (HH:MM:SS)
WAF settings for Live(Aug 02)	110211	Harshitha D	closed	00:30:00
WAF settings for stage (Aug 02)	110203	Harshitha D	closed	00:30:00
WAF settings for stage (Aug 03)	110228	Harshitha D	closed	00:30:00
WAF settings for Live(Aug 03)	110232	Harshitha D	closed	00:30:00
WAF settings for stage(Aug 04)	110247	Harshitha D	closed	00:30:00
WAF settingsfor Live (Aug 04)	110250	Harshitha D	Closed	00:30:00
WAF settings for stage(Aug 05)	110265	Harshitha D	closed	00:30:00
WAF settings for stage (Aug 09)	110303	Harshitha D	closed	00:30:00
WAF settings for Live (Aug 09)	110309	Harshitha D	Closed	00:30:00
WAF settings for Stage(Aug 12)	110384	Laasya	Closed	00:15:00
WAF settings for Live(Aug 13)	110396	Harshitha D	closed	01:00:00
WAF settings for stage (Aug 18)	110467	Harshitha D	closed	00:30:00
WAF settings for stage (Aug 19)	110498	Harshitha D	closed	00:30:00
WAF settings for stage(Aug 23)	110538	Harshitha D	closed	00:30:00
WAF settings for Live(Aug 23)	110547	Harshitha D	closed	00:30:00
WAF settings for stage(Aug 24)	110557	Harshitha D	closed	00:30:00
WAF settings for Live(Aug 25)	110575	Ankit	Closed	00:30:00
WAF settings for stage(Aug 25)	110579	Ankit	Closed	00:30:00

WAF settings for stage(Aug 26)	110592	Harshitha D	closed	00:30:00
WAF settings for Live (Aug 27)	110610	Harshitha D	closed	02:00:00
WAF settings for stage (Aug 27)	110612	Harshitha D	closed	00:30:00
WAF settings for Live (Aug 30)	110636	Harshitha D	closed	00:40:00
JanaBank weekly server utilization report (Aug 03)	10059	Harshitha D	closed	01:15:00
JanaBank weekly server utilization report (Aug 10)	10059	Harshitha D	closed	01:00:00
JanaBank weekly server utilization report (Aug 17)	10059	Harshitha D	closed	01:00:00
JanaBank weekly server utilization report (Aug 24)	10059	Harshitha D	closed	01:00:00
JanaBank weekly server utilization report (Aug 31)	10059	Harshitha D	closed	01:15:00
Total Effort Consumed				18 Hours 25 Minutes

7. Suggestions and Recommendations

7.1. Suggested Action

- Enable Reserved instances for all VMs.

NAME OF VM	STATUS	RESOURCE GROUP	LOCATION	COST SAVINGS IN INR
AppServerVM0	Running	urjaAppserver-rg	Central India	62503.572/year
AppServerVM1	Running	urjaAppserver-rg	Central India	62503.572/year
DataBaseVM0-1	Running	urjaAppserver-rg	Central India	62503.572/year
DataBaseVM1	Running	urjaAppserver-rg	Central India	62503.572/year
TestAppVM0	Running	UAT-rg	Central India	62503.572/year
Total				312517.86/year

7.2. Suggested Action

- Enable azure backup for AppServerVM1 and DataBaseVM1.
- Cost incurred:

NAME OF VM	STATUS	RESOURCE GROUP	LOCATION	COST ESTIMATION
AppServerVM1	Running	urjaAppserver-rg	Central India	486.24/month
DataBaseVM1	Running	urjaAppserver-rg	Central India	490.18/month
Total				976.42/month

- Advantage of Azure backup: provides independent and isolated backups to guard against accidental destruction of original data. Azure Backup does not limit the amount of inbound or outbound data you transfer.

7.3. Suggested Action

- Migrate disks to managed disks for AppServerVM0 and AppServerVM1.
- Cost incurred:

NAME OF VM	STATUS	RESOURCE GROUP	LOCATION	COST ESTIMATION
AppServerVM0	Running	urjaAppserver-rg	Central India	121.73/month
AppServerVM1	Running	urjaAppserver-rg	Central India	121.73/month
Total				243.46/month

- Advantage of Managed disks: Managed disks are designed for 99.999% availability. Managed disks achieve this by providing you with three replicas of your data, allowing for high durability. If one or even two replicas experience issues, the remaining replicas help ensure persistence of your data and high tolerance against failures.

7.4. Suggested Action

- Consider deleting the disks as it is not associated to any of the VM.

NAME	DISK TYPE	SIZE(GiB)	RESOURCE GROUP	DISK STATE	COST SAVINGS IN INR
d-8b5b5d717c474e33b28c7d5aa6a20bbc-datadisk-000	Premium SSD	128	urjaAppServer-rg	Unattached	1,420.01
DBDiskSlave	Premium SSD	128	urjaAppServer-rg	Unattached	1,420.01
diskDBVM01	Premium SSD	128	urjaAppServer-rg	Unattached	1,420.01
Total					4260.03/month

7.5. Suggested Action

- Consider deleting the snapshots why are you asking, include reason

NAME	RESOURCE GROUP	STORAGE TYPE	SIZE(GiB)	SNAPSHOT STATE	TIME CREATED	COST SAVING IN INR
SnapshotforTS	urjaappServer-rg	Standard HDD LRS	31	Unattached	11/5/2018, 1:12:02 PM	108.07
TestAppVM0_OsDisk_1_0315f78a91364ef1aa2bb60a4776a503_backup	UAT-rg	Standard HDD LRS	30	Unattached	9/18/2018, 4:44:57 PM	111.67
Total						219.74/month

7.6. Suggested Action

- Consider deleting the IP as it is not associated to any service.

PUBLIC IP NAME	RESOURCE GROUP	SKU	ASSOCIATED TO	ASSIGNMENT	COST SAVING IN INR
TestVMTB-ip	urjaappserver-rg	Basic	-	Dynamic	210.37
TestVMTB2-ip	urjaappserver-rg	Basic	-	Dynamic	210.37
Total					420.74

7.7. Suggested Action

- Schedule snapshots of your file shares to protect yourself from accidental file deletion or data corruption.

STORAGE ACCOUNT NAME	RESOURCE GROUP	PERFORMANCE	REPLICATION	LOCATION	FILESHARE NAME	SIZE	COST ESTIMATION IN INR
uatrgdiag798	uat-rg	Standard	LRS	Central India	logfiestorage	400GiB	864.56
Total Estimated Cost							864.56

8. Cost Savings Summary

Suggestion Head	Head Name	Amount in INR Per Month
7.4	Total cost savings for Disks	4260.03
7.5	Total cost savings for Snapshot	219.74
7.6	Total cost savings for Public IP address	420.74
Total		4900.51

Suggestion Head	Head Name	Amount in INR Per Year
7.1	Total cost savings for reserved instance	312517.86/year

Upto INR **4900.51** per month could be saved if all the suggestions are implemented.

Upto INR **312517.86** per year could be saved if reserved instance is implemented for all VMs.