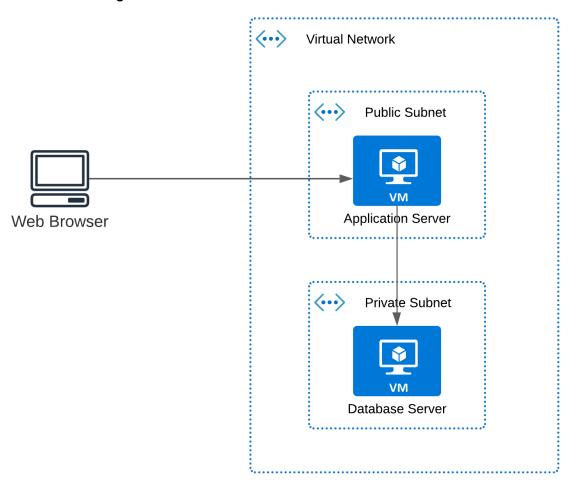
Scenario

Accordingtorecentresearch,40-75% of employees are using Dropbox to share files inside and outside of their businesses. Half of those Dropbox users do this even though they know it's against the rules. Morethan 40% of businesses have experienced the exposure of confidential information and the estimated average cost of a data breach equaled \$5.5 Million in 2011.

Thesefiles, containing sensitive company and customer data, are stored in a public cloud outside of the businesses' control - possibly even outside of the country. The potential for data leakage and security breachesise normous and companies need to stay compliant with their own policies and procedures for security and governance

Architecturediagram:

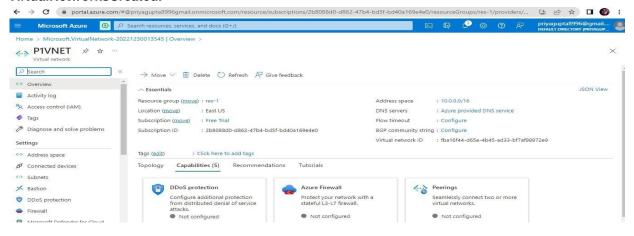


Arc	ArchitectureImplementation					
1	Implement2differentsubnets(onepublicandtheotherprivate)inavirtualnetwork					
2	InstallandconfigureMySQLonanUbuntu18.04virtualmachineontheprivatesubnetusingtheinstructions provided. (Hint: Use a bastion host and a NAT gateway)					
3	InstallandconfigureOwnCloudonanUbuntu18.04virtualmachineonthepublicsubnetusingtheprovided instructions.					
4	Configurethenetworksecuritygroupstoallowtherequiredports					
5	TesttheinstallationbyaccessingthelPoftheapplicationserverinabrowser					

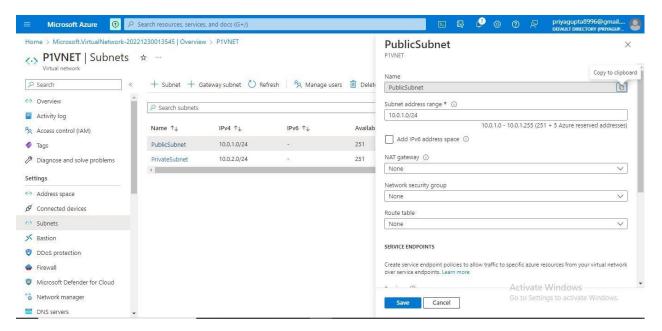
Step1:VPCandSubnetCreation

Stepnumber	а		
Stepname	CreationofVirtualNetwork		
Expected screenshots	 Createdvirtualnetworkwithpropertiesvisible Propertiesofpublicsubnet Propertiesofprivatesubnet 		

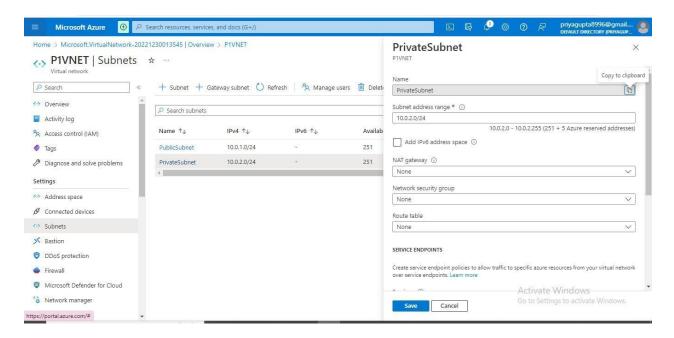
VirtualNetworksCreated:



PublicSubnet:

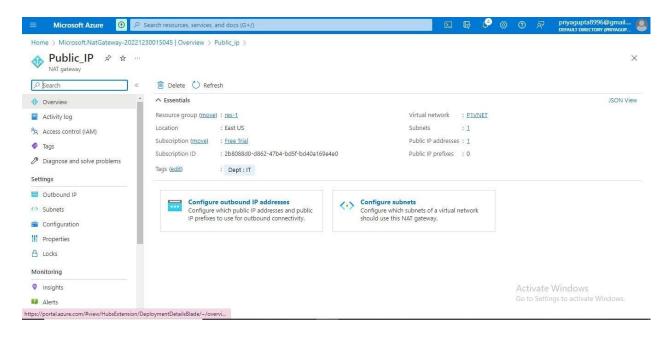


PrivateSubnet



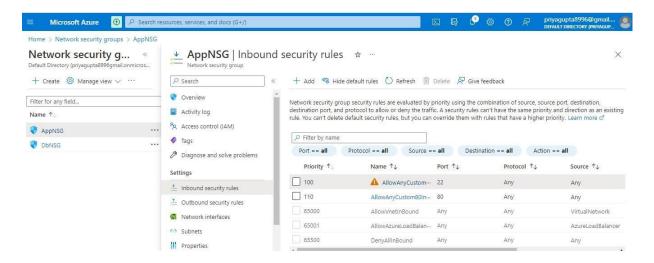
Stepnumber	b
Stepname	CreationofNATGateway
Expected screenshots	1)CreatedNATgateway

NATGateway:

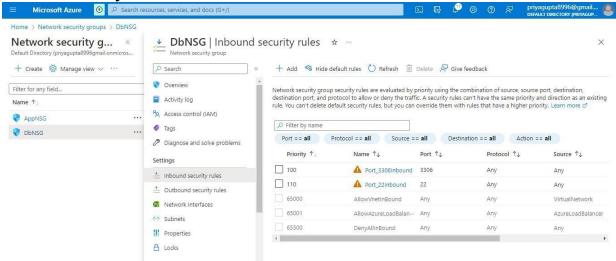


Stepnumber C
Stepname CreationandconfigurationofNetworksecuritygroups
Expectedscreens hots 1)AppNSGsecurityrules
2)DbNSGsecurityrules

AppNSG securityrules:



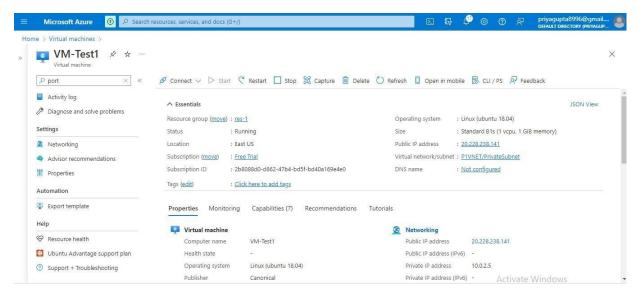
DbNSG securityrules



Step2:InstanceCreation

Stepnumber	а
Stepname	CreationofApplicationserver
Expected screenshots	1)CreatedApplicationserverOverviewpage

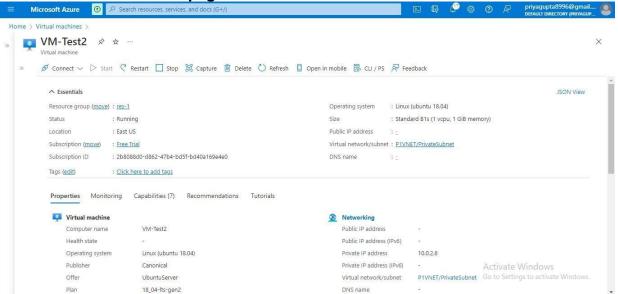
ApplicationserverOverviewpage



Stepnumber b
Stepname CreationofDatabaseserver

Expected 1)CreatedDatabaseserveroverviewpage screenshots

Databaseserveroverviewpage



Step4:ApplicationandDatabaseInstallationandTesting

Step a

number

Stepname InstallationandconfigurationofMySQL

Expected 1) Downloadingoftheprovidedscript

screenshots 2) Executingthescript