1. Pre-Requisite

Create Login on AWS Cloud Or Login if you already have login and Change Region to Europe (Frankfurt) eucentral-1

2. Verify Access to VA Community AWS AMI.

1. After login into your AWS account and go to EC2 Service

aws Services 🔺	Q Search for services, features, marketplace produ	acts, and docs [Option+S]	D 4		Support 🔻
★ Favorites	All services				×
lesource Groups & Tag Editor		X Developer Tools CodeStar	Machine Learning Amazon SageMaker	AWS Cost Management	
Recently visited EC2	Lightsail 🛂 Lambda Batch Elastic Beanstalk	CodeCommit CodeArtifact CodeBuild CodeDeploy	Amazon Augmented Al Amazon CodeGuru Amazon DevOps Guru Amazon Comprehend	AWS Budgets AWS Marketplace Subscriptions AWS Application Cost Profil	
IAM S3 Console Home	Serverless Application Repository AWS Outposts EC2 Image Builder AWS App Runner	CodePipeline Cloud9 CloudShell X-Ray AWS FIS	Amazon Forecast Amazon Fraud Detector Amazon Kendra Amazon Lex Amazon Personalize	E Front-end Web & Mobile AWS Amplify Mobile Hub AWS AppSync Device Farm	
		Oustomer Enablement AWS IQ 2 Support Managed Services Activate for Startups	Amazon Poly Amazon Rekognition Amazon Textract Amazon Transcribe Amazon Translate AWS DeepComposer	Amazon Location Service	
	唐 Storage	ළු Robotics AWS RoboMaker	AWS DeepLens AWS DeepRacer AWS Panorama Amazon Monitron	Step Functions Amazon AppFlow Amazon EventBridge	
	EFS FSx S3 Glacier Storage Gateway AWS Backup	Blockchain Amazon Managed Blockchain Satellite Ground Station	Amazon HealthLake Amazon Lookout for Vision Amazon Lookout for Equipment Amazon Lookout for Metrics	Amazon MQ Simple Notification Service Simple Queue Service SWF Managed Apache Airflow	

2. Select Frankfurt As Region and Click on AMI

aws Services v	Q Search for services, features, marketplace products, and docs	[Option+S]	Frankfurt 🔻 Support 🔻
New EC2 Experience X Tell us what you think	Instances Info	C Connect Instance state	Actions Launch instances
EC2 Dashboard	Q Filter instances		< 1 > ©
EC2 Global View	search: * × Clear filters		1
Events	Name V Instance ID Instance state		Alarm status Availability Zone V Pu
Tags		No workshipp instances found	
Limits		No matching instances round	
▼ Instances			
Instances New			
Instance Types			
Launch Templates			
Spot Requests			
Savings Plans	Select an instance above	=	×
Reserved Instances New			
Dedicated Hosts			
Capacity Reservations	_		
▼ Images			
AMIs 🗧			
Volumos II			
Constants			
Lifecucio Managor, New			
Energytic manager New			
Network & Security			
Feedback English (US) 🔻		8 - 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.	Privacy Policy Terms of Use Cookie preferences

aws Services 🔻	Q. Search for	- services, features, mark	etplace products, and	docs [Option	1+S]	D 4		Frankfurt 🔻	Support 🔻
New EC2 Experience ×	Launch EC2 Image	Builder Actions V						π	0 4 9
Tell us what you think	Public images v	Filter by tags and attribu	ites or search by keywo	ard				△	105.305 X
EC2 Global View		Tag Keys							,,
Ecz diobat view	Name	A Description		Source	Owner	Visibility	Status	Creation Date	Platform
Events		Name	2571/e035024/e7	amis-for-210979	210979525344	Public	available	February 15, 2019 at 12	07: Other Lin
Tags		Resource Attributes	1e1059d7ede1a9d	amis-for-210979	210979525344	Public	available	February 15, 2019 at 12	07: Other Lin
Limits		AMI Name	11ec7e	cloudtest-image	851601128636	Public	available	September 21, 2016 at 8	:52: Other Lin
▼ Instances		Architecture	08fc74	cloudtest-image	851601128636	Public	available	July 26, 2016 at 11:57:34	P Other Lin
Instances New		Creation Date	30df059	cloudtest-image	851601128636	Public	available	September 21, 2016 at 1	0:1 Other Lin
Instance Types		Image Type	cdfd49	cloudtest-image	851601128636	Public	available	January 8, 2015 at 12:12	2:42 Other Lin
Launch Templates		Kernel ID	1938001	cloudtest-image	851601128636	Public	available	November 10, 2015 at 5	05: Other Lin
Spot Requests		Owner	Dcfdc1c	cloudtest-image	851601128636	Public	available	November 7, 2015 at 5:4	6:3 Other Lin
Savings Plans		Permissions	8cdfda5	cloudtest-image	851601128636	Public	available	January 8, 2015 at 1:19:	24 A Other Lin
Reserved Instances New		Product Code	1/18202	cloudtest-image	851601128636	Public	available	September 22, 2016 at t	C23: Other Lin
Dedicated Hosts		RAM disk ID	02212cd	cloudtest-image	851601128636	Public	available	December 24, 2014 at 2	Other Lin
Capacity Reservations		Root Device Name	1221217	cloudtest-image	0001001128030	Public	available	December 24, 2014 at 2	24 Other Lin
		Root Device Type	90120662025d257	a∠a1∠13/9140/	8231219/9146	Public	available	August 11, 2021 at 4:38:	U2E Other Lin
▼ Images	Select an AMI above	Source			000				
AMIs		Status							
Elastic Block Store		Virtualization type							
Volumes New									
Snanshots									
Lifegarle Manager, New									
Enceyete Hundger New									
Network & Security									
New EC2 Experience ×	Launch EC2 Image	Builder Actions V			[13]	~ E3		Talikiat	
Tell us what you think	Public images x	Name : VACommunity		rl filter					
EC2 Dashboard			5						
ECZ Global view	Name	AMI Name AMI	ID	Source	Owner	Visibility	Status	Creation Date	Platform
Events	VACommunit	img_VAComm ami-	0d6ec6c283da0ea2d	126942597530/i	126942597530	Public	available	October 26, 2021 at 6:1	7:06 Windows
Tags	1								
Limits									
▼ Instances									
Instances New									
Instance Types									
Launch Templates									
Spot Requests									
Savings Plans									
Reserved Instances New									
Dedicated Hosts									
Capacity Reservations									
=									
	Image: ami-0d6ec6c28	3da0ea2d							
AMIS	Deteile	Taga							
▼ Elastic Block Store	Permissio	na lags							
Volumes New		AMI ID ami-0d6ec6c2	83da0ea2d			AMI Name	img_VACommunity	/_AWS	
Snapshots		Owner 126942597530 Status available	1			State Paseon	126942597530/im	g_vaCommunity_AWS	
Lifecycle Manager New	Creati	on date October 26, 20	021 at 6:17:06 PM UTC+	⊧5:30		Platform details	Windows		
	Arch	itecture x86_64				Usage operation	RunInstances:000	2	
Network & Security									
Feedback English (US) 🔻						er its affiliates. All rig	hts reserved. Priva	icy Policy Terms of Use	Cookie preferences

3. Select Public Image from Drop Down and In Search Select Name and Enter AMI Name as "img_VACommunity_AWS"

4. Copy VA Community AMI Image (img_VACommunity_AWS) to your Preferred Region where you want to spin EC2 Instance of Vienna Advantage



5. Select Region and Press Copy AMI

Reserved Instances Dedicated Hosts



3. Create EC2 Instance from copied AMI

1. Verify that AMI is copied and Ready and Status is Available. Select AMI and Click Launch to Create EC2 machine and host Vienna Advantage.



2. Select EC2 Instance Type and Press "Next: Configure Instance Details". Recommended Type is T2.large or more.

acity, and g	provides a wide selection of in give you the flexibility to choo	se the appropriate n	ized to fit different use can a contract of resources for your	ases. Instances are virtu applications. Learn mo	al servers that can run application re about instance types and how	s. They have varying combination they can meet your computing network they can meet your computing network they can be a set of the	ns of CPU, memory, storage, an eeds.	d networking
r by: A	All instance families 💙	Current generation	on 👻 Show/Hide C	olumns				
irrently se	elected: t2.large (- ECUs, 2 v0	CPUs, 2.3 GHz, -, 8	GiB memory, EBS only)					
	Family	Туре –	vCPUs (i) -	Memory (GiB) ~	Instance Storage (GB) (i) \cdot	EBS-Optimized Available	Network Performance (i) -	IPv6 Support (i
	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
	t2	t2.micro Free tier eligible	1	1	EBS only		Low to Moderate	Yes
	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
Ì	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
	t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes
	t2	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
	t3	t3.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
	t3	t3.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
	t3	t3.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes

3. In Below Screen Configure Instance Details and change network/subnet etc setting as per your setup or choose default and proceed with "Next: Add Storage"

ep 3: CC figure the inst e.	DATIGURE INSTAN tance to suit your require	ements.	ETAIIS You can launch m	ultiple instances	rom the same AM	VI, requ	uest S	Spot instances to take advantage	e of the lower pri	cing, assign ar	access manag	ement role t	o the instance, and
	Number of instances	()	1		Launch into Aut	o Scali	ng G	roup (j)					
	Purchasing option	(j)	C Request Spo	t instances									
	Network	(j)	vpc-039b6a27	3753f5e1f (defaul)	\$	С	Create new VPC					
	Subnet	()	No preference	(default subnet in	any Availability Z	Zone 🕈		Create new subnet					
	Auto-assign Public IP	(i)	Use subnet set	ting (Enable)		\$							
	Placement group	()	Add instance	to placement gro	oup								
	Capacity Reservation	(i)	Open			\$							
	Domain join directory	i	No directory			\$	С	Create new directory					
	IAM role	()	None			\$	С	Create new IAM role					
	Shutdown behavior	()	Stop			\$							
Stop	- Hibernate behavior	(i)	Enable hiber	nation as an addi	ional stop behav	ior							
Enable t	ermination protection	(i)	Protect again	nst accidental terr	nination								
	Monitoring	(j)	Cloue Cloue Additional char	dWatch detailed n ges apply.	nonitoring								
	.	•	01 D	- t t. t	1	•			Cancel	Previous	Review and	Launch	Next: Add Stora

4. In Below screen you can Add more storage or change volume type based on your requirement. Otherwise leave it default and press Next: Add Tag:

1. Choose AMI	2. Choose Instance Type	3. Configure Instance	4. Add Storage	5. Add Tags	6. Configure Security Group	7. Review				
Step 4: Ad Your instance will edit the settings of storage options in	Id Storage be launched with the fo if the root volume. You o Amazon EC2.	llowing storage device so can also attach additional	attings. You can att EBS volumes afte	ach additional r launching an	EBS volumes and instance s instance, but not instance ste	tore volumes to pre volumes. Lea	your instance, o arn more about	Dr t		
Volume Type	Device (Snapshot (j)	Si	ze (GiB) 🕕	Volume Type (i)		IOPS ()	Throughput (MB/s) (i)	Delete on Termination	Encryption ()
Root	/dev/sda1	snap-0377c6df	202a1cf0e 6	0	General Purpose SSD	(gp2) 🗸	180 / 3000	N/A		Not Encrypte 🔻
Add New Volun Free tier eligit usage restrict	ne ole customers can get u ions.	p to 30 GB of EBS Gener	ral Purpose (SSD) d	or Magnetic sto	rage. Learn more about free	usage tier eligib	ility and			
							Ca	Previous	Review and Lau	nch Next: Add Tags

5. Add Tag (Name) to EC2 Machine and Press Next: Configure Security Group

1. Choose AMI	2. Choose Instance Type	3. Configure Instance	4. Add Storage	5. Add Tags	6. Configure Security Group	7. Review					
Step 5: Ac A tag consists of A copy of a tag ca Tags will be appli	dd Tags a case-sensitive key-valu an be applied to volumes led to all instances and vo	ue pair. For example, you , instances or both. Jlumes. Learn more abo	i could define a but tagging your	tag with key = Ni Amazon EC2 res	ame and value = Webserver. ources.						
Key (128 cha	aracters maximum)		Value (2	56 characters m	aximum)	In	istances ()	Volumes (i)	Network Interfaces		
Name			EC2 Vienn	a Advantage			2	V		8	
						с	ancel Previ	ious Review a	nd Launch	lext: Configure Se	ecurity Group
Feedback Eng	lish (US) 🔻				© 2008 - 2021, An	nazon Web Services	i, Inc. or its affiliate	s. All rights reserved.	Privacy Policy	Terms of Use Co	ookie preferences

6. In Security group configuration. You need to Allow Port 8011 from anywhere to Access Vienna Advantage App from browser.

Select all taxs ity group name: Iaunch-wizan Description: Iaunch-wizan Protocol () TCP	4-1 d-1 d-1 created 2021-10-27718:05:38.630+05:3 Port Range () 3389 8011	0 Source (i) Anywhere v 0.0.6.0/0, ::/0	Description () e.g. SSH for Admin Desktop
Description: launch-wizan Protocol () TCP TCP	d-1 created 2021-10-27T18:05:38.630+05:3 Port Range () 3389 2011	0 Source () Anywhere v 0.0.0.0/0, ://0	Description () e.g. SSH for Admin Desktop
Protocol () TCP TCP	Port Range () 3389	Source () Anywhere v 0.0.0.0/0, ::/0	Description () e.g. SSH for Admin Desktop
ТСР	3389	Anywhere v 0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop
TCP	8011		
	0011	Anywhere V 0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop
of 0.0.0.0/0 allow all IP addresses t	o access your instance. We recommend set	ting security group rules to allow access from known I	IP addresses only.
	of 0.0.0/0 allow all IP addresses t	of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend set	of 0.0.0.00 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known I

Note: We have pre-configured IIS to run on 8011 port for VA Application. Click Review and Launch 7. Ignore Warnings and Click Launch

1. Choose AMI Step 7: Re Please review you	1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tag 6. Configure Security Group 7. Review Step 7: Review August instance Launch Verse review your instance launch details. You can go back to edit changes for each section. Click Launch to assign a key pair to your instance and complete the launch process.											
Improve your instances' security. Your security group, launch-wizard-1, is open to the world. Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. Edit security groups												
A Your To laur	Your instance configuration is not eligible for the free usage tier To launch an instance that's eligible for the free usage tier, check your AMI selection, instance type, configuration options, or storage devices. Learn more about free usage tier eligibility and usage restrictions.											
▼ AMI Dotoil							Edit AMI	Don't show me this again				
in [C Re If you plan to r	img_VACommunity_AWS - ami-08c473db8722832c1 Copied ami-03dec62283dbea22 from eu-central-1] img_VACommunity_AWS Root Device Type: ebs Virtualization type: hm If you plan to use this AMI for an application that benefits from Microsoft License Mobility, fill out the License Mobility Form. Don't show me this again											
 Instance T 	уре						Edit instance type	-				
Instance T	ype I	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance					
t2.micro		-	1	1	EBS only	-	Low to Moderate					
 Security G 	iroups						Edit security groups					
							Cancel	Previous Launch				
Feedback Engl	ish (US) 🔻				© 2008 - 2	021, Amazon Web Services, Inc. or its affiliates. All ri	ights reserved. Privacy Policy Terms	of Use Cookie preferences				

 Please make sure to generate Key Pair and Download it . You will need it to generate Administrator password of this EC2.
 After download key Pari Click Launch

curity. You	r security group, launch-wizard-1, is open to the world.	
s in your sec	Select an existing key pair or create a new key pair ×	iiy. security group:
n <mark>is not el</mark> le for the fre	A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance. Amazon EC2 supports ED25519 and RSA key pair types.	It free usage t
. ami-08c4'	Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.	
2d from ou-o	Create a new key pair	
	Key pair type	
on type: hvm	● RSA ○ ED25519	
that benefits	Key pair name	
	VA_AWS_KEY	
	Download Key Pair	Edit ir
/CPU s	You have to download the private key file (".pem file) before you can continue. Store	ork Performar
1	it in a secure and accessible location. You will not be able to download the file again after it's created.	o Moderate
		Edit sec
	Cancel Launch Instances	

9. EC2 Instance is under creation .

New EC2 Experience X	Instances (1) Info	C Connect Instance state ▼	Actions Launch instances
FC2 Death and	Q Filter instances		< 1 > 🕲
EC2 Dashboard	Instance state: running X Clear filters		
Ecz diobal view			
Events	Name V Instance ID Instar	nce state v Instance type v Status check	Alarm status Availability Zone 🗸 Put
Tags	EC2 Vienna Ad i-0af3dc0183d0b20dd 🥝 Ru	unning @ d t2.micro ④ Initializing	No alarms + us-east-2b ec2
Limits			
▼ Instances			
Instances New			
Instance Types			
Launch Templates			
Spot Requests			
Savings Plans	Select an instance above	=	×
Reserved Instances New			
Dedicated Hosts			
Capacity Reservations			
T Images			
♥ Images			
AMIS			
▼ Elastic Block Store			
Volumes New			
Snapshots			
Lifecycle Manager New			
= Natural & Constitu			
▼ Network & Security			
Feedback English (US) 🔻		© 2008 - 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved	Privacy Policy Terms of Use Cookie preferences

10. EC2 Instance is up and running now. You can see assigned Public IP to use same to access VA Application.

New EC2 Experience	Instances (1/1) Info	Connect	Instance state 🔻	Actions v Laun	ich instances 🔹 🔻
EC2 Dashboard EC2 Global View	Q. Filter instances Instance state: running X Clear filters				< 1 > 🕲
Events	✓ Name ♥ Instance ID	Instance state 🛛 🗸 Instance type		Alarm status Ava	ilability Zone ⊽ Pub
Tags	EC2 Vienna Ad i-0af3dc0183d0b20dd	⊘ Running @.Q. t2.micro	⊘ 2/2 checks passe	d Noalarms 🕂 us-e	east-2b ec2-
Limits					
▼ Instances					
Instances New					
Instance Types					
Launch Templates					
Spot Requests					
Savings Plans	Instance: i-0af3dc0183d0b20dd (EC2 Vienna A	dvantage) =			×
Reserved Instances New		avantage)			~
Dedicated Hosts	Details Security Networking Storage	Status checks Monitoring	Tags		
Capacity Reservations					
▼ Images	▼ Instance summary Info				
AMIs	Instance ID	Public IPv4 address	Private	IPv4 addresses	
Elastic Block Store	i-0af3dc0183d0b20dd (EC2 Vienna Advantage)	🗇 3.17.149.122 open address 🖸	D 17	2.31.23.75	
Volumes New	IPv6 address	Instance state	Public	Pv4 DNS	
Snapshots	-	⊘ Running	D ec	2-3-17-149-122.us-east-	
Lifecycle Manager New			2.comp	ute.amazonaws.com open	address 🔼
▼ Network & Security	Private IPv4 DNS	Instance type	Elastic	IP addresses	
Feedback English (US)		© 2008 - 2021. Amazon Web Services. Inc	r or its affiliates. All rights reserves	Privacy Policy Terms o	f Ura Cookia proferencer

Note: You will get some other Public IPV4 Addresses This Public IP will get change after every reboot. Please assign Elastic IP to this EC2 Instance.

Ref below link for more details.

https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html

3. How to Access VA Application from Browser

VA Application is configured on Port 8011 so to access VA application from browser (Recommended: Chrome) URL will be <u>http://your-public-EC2-IP:8011</u>



Please Note: You have to provide server IP to VA Support Team for getting application Key to activate URL. Login details will be sent via email.

Troubleshooting Steps.

In case if your link is not working. Kindly follow some basic Troubleshooting point. By login into the VM via Remote Desktop (RDP) using Public IP of VM and Credentials provided on email.

Issue 1: IIS Is Down. / Website not coming up.

Open IIS Manager in window server

=	30	D	۵	Filters \checkmark	
ጨ	Best r	natch			
	Q	Intern Deskto	et Information Services (IIS) Manager p app		
	Apps				
	9	nternet	Information Services (IIS) 6.0 Manager		
۲					
	рi	is			
	Q	Π	ê 🛤		



Issue 2: Postgres DB Service is down

Open services and check the below services are up and running. If required, please restart them

Services						_		×					
File Action View Help													
🔍 Services (Local)	Services (Local)												
	postgresql-x64-12 - PostgreSQL	Name	Description	Status	Startup Type	Log On As		^					
	Server 12	Program Compatibility Assistant Service	This service	Running	Manual	Local System							
		Reports and Solutions Control Panel S	This service	-	Manual	Local System							
	Stop the service	PrintWorkflow_2ebf8c0	Print Workfl		Manual	Local System							
	Restart the service	Printer Extensions and Notifications	This service		Manual	Local System							
		🖏 Print Spooler	This service	Running	Automatic	Local System							
	Description: Provides relational database storage.	Or Power	Manages p	Running	Automatic	Local System							
		😳 postgresql-x64-12 - PostgreSQL Server 12	Provides rel	Running	Automatic	Network Service							
		Portable Device Enumerator Service	Enforces gr		Manual (Trig	Local System							
		🌼 Plug and Play	Enables a c	Running	Manual	Local System							
		🖏 Phone Service	Manages th		Disabled	Local Service							
		🌼 Performance Logs & Alerts	Performanc		Manual	Local Service							
		Performance Counter DLL Host	Enables rem		Manual	Local Service							
		Payments and NFC/SE Manager	Manages pa		Disabled	Local Service							
		Optimize drives	Helps the c		Manual	Local System							
		OpenSSH Authentication Agent	Agent to ho		Disabled	Local System							
		🖏 Offline Files	The Offline		Disabled	Local System							
		Network Store Interface Service	This service	Running	Automatic	Local Service							
		Network Setup Service	The Networ		Manual (Trig	Local System							
		Network Location Awareness	Collects an	Running	Automatic	Network Service							
		🖏 Network List Service	Identifies th	Running	Manual	Local Service							
		Network Connectivity Assistant	Provides Dir		Manual (Trig	Local System							
		Network Connections	Manages o		Manual	Local System		×					
	Extended Standard												
