Amazon A pioneer in deploying cloud solutions Prof. Tahar Kechadi School of Computer Science & Informatics

Oddine							
Web Se	rvices	(http://a	ws.amazo	on.com)			

Amazon



-			
-			
-			
_			
_			
-			
-			
-			
-			
_			
Ī			
-			
-			
-			
-			
_			
-			
-			

Amazon Web Services (AWS) Amazon Simple Storage Service (S3) Amazon Simple Queue Service (SQS) Amazon Elastic MapReduce Amazon SimpleDB Amazon Relational Database Service (RDS) Amazon CloudFrontAmazon DevPayAmazon Mechanical Turk Amazon's EC2 Amazon EC2 provides resizable compute capacity in the cloud. The user defines the virtual Amazon application Existing pre-configured, template images Create your own Amazon Machine Image (AMI) containing your applications, libraries, data, and associated configuration settings, including security and network access Variety of instance types, multiple locations, management tools and API services provided Amazon's EC2 - Services Instance, instance types • Preconfigured templates (Amazon Machine Images) Key pairs Instance store volumes Elastic Block Store (EBS) volumes Availability Zones (e.g. eu-west-1) Firewall

Elastic IP address

Virtual Private Cloud (VPCs)

Amazon's EC2 – Getting Start Sign up Access Amazon EC2 console Create a Key Pair Set Security group Create an instance Launching, connecting and using an instance.

	A	1-		1	\sim			
	Amaz	onsi		<u> </u>				
	,	••		_		•		
-00	as a sed line to alt							
EC2 com	mand line tool*							
000		~/.ec2 - java - :	193×41					
[.ec2]\$ ec2-describe-in DMAGE ami-4138d028	rages -a mare /ellette-es-public/image_manifest.xml #814#868	2918 aveilable public	1386	machine ski-s7lcf9ce	ari-a51cf9cc	in	stance-store	perovirte
at sen DMAGE ami-524ca03b	/cft-elastic-servers-us/cft-elastic-server-shunt		1935467.imp.manife	st.xml 670554084139	available	oublic		machine
DMSE ani-29tra868	instance-store paravirtual sen /cft-elastic-servers-us/cft-elastic-server-ubunt				available	oublic	1386	nachine
DMEE anishedcath?	instance-store paravirtual sen /cft-elastic-servers-us/cft-elastic-server-ubunt				available	public		marhine
DMGE uni-224cu04b	instance-store persyirtual sen /cft-elastic-servers-us/cft-elastic-server-ubunt				available	public		machine
DMAGE anti-266caR66	instance-store persyirtual sen /cft-elattic-server-us/cft-elattic-server-usunt				available	oublic		nachine
	instance-store paravirtual men							
DMACE ami-bo46ao63 ri-a51cf9cc	/datosynopse.com-engine/engine-fedora-8-1386-bos instance-stare paravirtual xem				H 811CAE86		chise eki-e71c	
DMAGE ami-824daseb ri-b31cf8da	/datasynapse.com-engine/engine-fedora-8-85_54-b instance-stare paravirtual xes				ic 011CAC06	-	chine aki-b51c	rflide a
DMCE ani-bec43141 index instance-store	/datasynapse.com-engine/engine-Server2003r2-i306 byn men	-Win-v1.05-1.0.6.manifest.unl	216938466531	swailable publi	C 911CAE#6	1386 na	chine	
DMAGE ami-Soc13483 indows instance-store	/Gatosynopse.com-engine/engine-Server2003r2-x86_ hom	64-Win-w1.85-1.8.7.monifest.xm	215038466531	evailable publi	c 811CAE86	x86_64 max	chise	
DMAGE ami-18dc2871 indows instance-store	/datasynapse.com-engine/engine-Server2083r2-e86_	54-Win-el.85-1.8.D.manifest.xm	215038466531	erailable publi	ic 011CACRS	x85_64 max	chine	~
DMCE ani-351f3eSc	/franz-sg431-images-us-east-1-linux-s64/allegrog ie-store paravirtual sen	raph431-20110012-1304.manifest	xm1 21997952	5344 available	public	x86_64 max	chine aki-427d	19526
DMAGE ami-7f6eac16	/franz-ag432-images-us-east-1-linux-m64/allegrog	roph432-2011083#-1451.manifest	.xml 21097952	5344 zvailable	public	x85_64 max	chise aki-427c	1552b
DMAGE ami-addef5c4	/franz-ag44-images-us-east-1-linux-x64/allegrogr	aph44-2#111123-1058.manifest.x	el 21097952	5344 gvailable	public	x86_64 max	chine ski-427c	1552b
DAKEE ami-Dice1958	re-store paravirtual xen /franz-ag4401-images-us-east-1-limux-x64/allegro	graph4481-28128110-1458.manife	st.aml 21097952	sideliave 9462	public	x86_64 max	chine ski-427c	19526
DMAGE ani-011e3166	:e-stare paravirtual xen /franz-hosted-ag431-images-us-east-1-linux-x64/h		-1429.manifest.uml	210979525344	available	public AFE	F188F0	185_64 a
achine aki-4276952b DMAGE ami-5f6dad36	instance-store perovirtual x /franz-hosted-ag412-images-us-east-1-linux-a54/h	ssted-allegrograph432-20118838	-1413.munifest.uml	210979525344	aveilable	public Aft	ricero	195_64 m
ochino ski-427e952b DMACE smi-2ff13s46	instance-store paravirtual x /franz-hosted-ag44-images-us-east-1-linus-x64/he		SIS_manifest.xml	218979525344 avail	able public	AFFLORES	x86_64	machine a
ki-427d952b DMAGE ani-93fe2bda	Instance-stare paravirtual sen /franz-hosted-ag44M1-images-us-east-1-linux-w64/	hosted-allearouranhases-201112	28-1518-monifest.x	nl 218929535344	available	malic AF	FIRMEN	185 64 .
othine ski-4276952b	instance-store perovirtual m /franz-hosted-mo4481-inoces-us-emst-1-limux-m54/	67			mailable	public Aft	******	185.54 0
achino aki-4276952b	instance-store puravirtual x		ov-seas-montrest.x	114979023344	**********	powers AP1	10010	