

...IN EUROPEAN SCHOOLS

Windows Cloud Server Installation Study on Amazon Web Services

1 EPAL Chiou



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10 steps away from a Windows Server with Amazon Web Services (AWS)
Elastic Cloud Computing (EC2)



Step 1:

Create an Instance with wizard

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← → C 🕯 https://eu-central-Loonsole.aws.amazon.com/ec2/v2/home?region=eu-central-1#LaunchInstanceWizard:		Incognito (a :
All Stamatis Illadakis + Frank	furt 🗸	Support 🗸	
1. Cheese AMI 2. Choose Instance Type 3. Configure Instance 4. Add Bronge 5. Add Tags 6. Configure Sesuithy Group 7. Review			
Step 1: Choose an Amazon Machine Image (AMI) Piete the eligible Root device type els Witualization type hom ENA Enabled Ves	Canc 64-bit	el and Exit (x86)	•
Ubuntu Server 18.04 LTS (HVM), SSD Volume Type - ami-090f10efc254eaf55 Ubuntu Server 18.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services). Freetine eligible Root device type ebs Virtualization type: htm ENA Enabled: Yes	Sel 64-bit	lect : (x86)	ł
Are you launching a database instance? Try Amazon RDS. Amazon Relational Database Service (RDS) makes it easy to set up, operate, and scale your database on AWS by automating time-consuming database management tasks. With RDS, you can easily deploy Amazon Aurora, MySQL, Oracle, PostgreSQL, and SQL Server databases on AWS. Aurora is a MySQL- and PostgreSQL-compatible, enterprise-class database at 1/10th the cost of commercial databases. Learn more about RDS Launch a database using RDS	NariaDB,	Hide	
Microsoft Windows Server 2019 Base - ami-0a79cfa8817a1e572 Windows Microsoft Windows 2019 Datacenter edition. [English] Free for adjate Root device type: ebs Virtualization type: thm ENA Enabled: Yes	Sel 64-bit	lect : (x86)	
Microsoft Windows Server 2019 Base with Containers - ami-Obd2dff311f6c1d86 Windows Microsoft Windows 2019 Datacenter edition with Containers. [English] Free Store eligible Root device type: eks Winalization type: tym DNA Enabled Yes	Sel 64-bit	lect : (x86)	
Microsoft Windows 2019 Datacenter edition, Microsoft SQL Server 2017 Standard - ami-008e45aa83e4bf991 Microsoft Windows 2019 Datacenter edition, Microsoft SQL Server 2017 Standard. [English] Root device type ebs Virtualization type: htm ENA Enabled: Ves	Sel 64-bit	lect : (x86)	
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Step 2: Choose an Instance Type

🗨 Feedback 🛛 🤪 English (US)

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

6

Family	- Туре -	vCPUs (j) -	Memory (GiB) 👻	Instance Storage (GB)	EBS-Optimized Available (i)	Network Performance (i) -	IPv6 Support
General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
General purpose	t2.medium	2	4	EBS only	122	Low to Moderate	Yes
General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
General purpose	t2.2xlarge	8	32	EBS only	1 <u>0</u> 1	Moderate	Yes
General numose	t3 nano	2	0.5	FRS only	Vac	Up to 5 Gigabit	Vac

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Step 3: choose Instance type (CPU, Memory, Storage)

3: Configure Instar	ements)etails You can launch multiple instances from the same AML request S	pot instances to take advantage of the lower pricing, assign an access management role to the instance, and more,
Number of instances	(1)	1 Launch into Auto Scaling Gro	() que
Purchasing option	()	Request Spot instances	
Network	1	vpc-b8151ed3 (default) C	Create new VPC
Subnet		No preference (default subnet in any Availability Zor 🔻	Create new subnet
Auto-assign Public IP	()	Use subnet setting (Enable)	
Placement group		Add instance to placement group	
Capacity Reservation	(j)	Open • C	Create new Capacity Reservation
Domain join directory	()	No directory C	Create new directory
IAM role	0	None V	Create new IAM role
Shutdown behavior	(1)	Stop 🔻	
Enable termination protection	(i)	Protect against accidental termination	
Monitoring	()	Enable CloudWatch detailed monitoring Additional charges apply.	
Tenancy	(1)	Shared - Run a shared hardware instance	
Elastic Graphics	(1)	Additional charges will apply for dedicated renancy.	
clastic oraphics	U	Additional charges apply.	
T2/T3 Unlimited		Enable Additional charges may apply	







Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. Learn more about storage options in Amazon EC2.

Root /dev/	/sda1 snap-0	7b1f3c6760fcb953	10	General Burnose SSD (gp2)			
				General i urpose GGD (gpz)	100 / 3000	N/A	Not Encrypted
Add New Volume							
du New Volume							
Free tier eligible customers usage restrictions.	s can get up to 30 G	3 of EBS General Purpo	se (SSD) or Magnet	tic storage. Learn more about free usage	e tier eligibility	and	





Select the amount and type of storage

👔 Launch instanc	e wizard EC2 Ma 🗙 🕂											—	٥	\times
\leftrightarrow \rightarrow C \bigtriangleup	https://eu-central	-1.console.aws.amazon.c	om/ec2/v2/home	region=eu-cen	tral-1#LaunchInstanceWizar	d: 🔂	6	1	ABP			Q *		
🚻 Apps 🕥 😧	e-horos.ddns.net 🗿 Thr	reema Web 🔇 Πανελλήν	ιος Διαγ 🔣 🕨	Pepper 96.6 fm	GitHub - iesgn/clou	How To Play Ji	ngle	🥱 Epu	τήσεις ι	εμβάθυ	>>	Ot	her book	marks
aws	Services 🗸 Re	esource Groups 🗸	*			4 -	Stama	atis Iliada	ikis 🗸	Frankt	iurt 🗸	Supp	ort 👻	
1. Choose AMI	Services ~ Re	3. Configure Instance	 Add Storage 	5. Add Tags	6. Configure Security Group	Q ● 7. Review	Stama	atis Iliada	ikis 🕶	Frankt	urt 🗸	Supp	ort 👻	

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.

A copy of a tag can be applied to volumes, instances or both.

Tags will be applied to all instances and volumes. Learn more about tagging your Amazon EC2 resources.

Key (127 characters maximum)	Value (255 characters maximum)	Instances (j)	Volumes (D
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Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. Learn more about Amazon EC2 security groups.

Assign a security	group: Create a new security group				
	Select an existing security group				
Security group	name: launch-wizard-1				
Desci	ription: launch-wizard-1 created 2019-05-09T10:06:	18.674+03:00			
Туре ()	Protocol (j)	Port Range (j)	Source (j)	Description (j)	
RDP •	TCP	3389	Custom • 0.0.0.0/0	e.g. SSH for Admin Desktop	8
Add Rule					

A Warning

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.







Choose AMI 2. Choose									
	e Instance Type	3. Configure Instance	e 4. Add Storage	5. Add Tags	6. Configure Secur	7. Review			
tep 7: Review I	nstance La e launch details. Y	aunch iou can go back to	edit changes for each	section. Clic	Launch to assign :	a key pair to your instance and complet	e the launch process.		
A Improve you Your instances You can also or	r instances' se may be accessible pen additional port	ecurity. Your se from any IP addr is in your security	ecurity group, laun ess. We recommend th group to facilitate acce	ch-wizarc at you updat ss to the app	-1, is open to the eyour security group of the eyour security group of the eyour service year of the eyour service servi	ne world. Ip rules to allow access from known IP rou're running, e.g., HTTP (80) for web s	addresses only. iervers. Edit security groups		
AMI Details					Select an ex	kisting key pair or create a	new key pair X		Edit
Microsoft Free tier eligible If you plan to use this A Instance Type	Windows Server /indows 2019 Datad ype: ebs Virtualizati MI for an application	2019 Base with center edition with (on type: hvm n that benefits from	Containers - ami-Obd Containers. [English] n Microsoft License Mobil	2dff3111	A key pair consist allow you to conne obtain the passwo securely SSH into Note: The selected	s of a public key that AWS stores, and it set to your instance securely. For Windo rd used to log into your instance. For L your instance. d key pair will be added to the set of key	private key file that you store. Together, they was AMIs, the private key file is required to inux AMIs, the private key file allows you to ys authorized for this instance. Learn more		Edit instance
Instance Type	ECUs	vCPUs	Memory (GiB)	Ins	about removing e	xisting key pairs from a public AMI.	×		
t2.micro	Variable	1	1	EB	Select a key p 070519	air	Ţ		
Security Groups					I acknowle without this fil	dge that I have access to the selected p le, I won't be able to log into my instanc	private key file (070519.pem), and that e.		Edit security gr
Security group name Description	launch-	wizard-1 wizard-1 created 2	:019-05-09T10:19:55.56	5+03:00			Cancel Launch Instances		
Туре (і)		Protocol (j)		Port Ran	ge 🛈	Source (i)	Description (j)	_	
RDP		TCP		3389		0.0.0/0			
Instance Details									Edit instance de
-									Cancel Previous
Peedback 🥥 Eng	lish (US)								

Step 9: **Reviewing the Instance before launch**



Step 10:

<u>Download Remote desktop file</u> <u>& Getting the Password</u>

Hostname: EC2AMAZ-JVPOAD8 Instance ID: I-02e33dfc2bd5ad956 Public IP Address: 54.93.228.221 Private IP Address: 172.31.47.115 Instance Size: t2.micro Availability Zone: eu-central-1b Architecture: AMD64 Total Memory: 1 GB Network Performance: Low to Moderate



Recycle Bin

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EC2 Feedback

We are in!