Alpaquita Linux
Getting started with AWS images

Alpaquita Linux
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bellsoft

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Contents

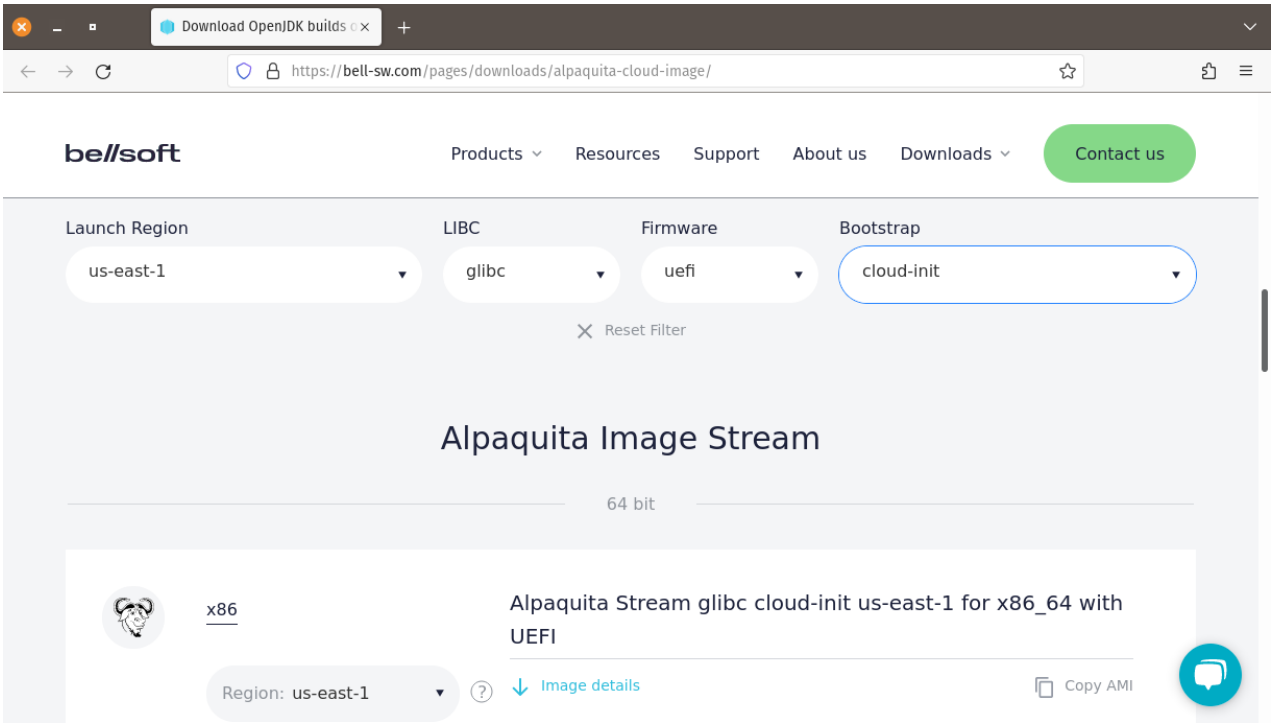
1. Overview

BellSoft provides Alpaquita Linux images for the AWS Cloud. Alpaquita Linux is an Alpine-based distribution with two libc options (improved musl and glibc) and several performance and security optimizations. Alpaquita cloud images enable developers to build microcontainers and significantly reduce cloud costs.

2. Selecting an image

Use Bell-SW AWS page to select the Amazon Machine Image (AMI) with the combination of parameters that you are interested in.

> **Note:**
>
> AMI is a master image for creating virtual servers, known as EC2 instances, in the Amazon Web Services (AWS) environment.



Clicking **Image details** of the image you want to launch opens the AWS web interface (you need to provide authentication information if you have not logged in to the AWS web interface). The image details page provides all the information about the image. The "Launch instance from AMI" button opens the forms page to set up the VM instance.

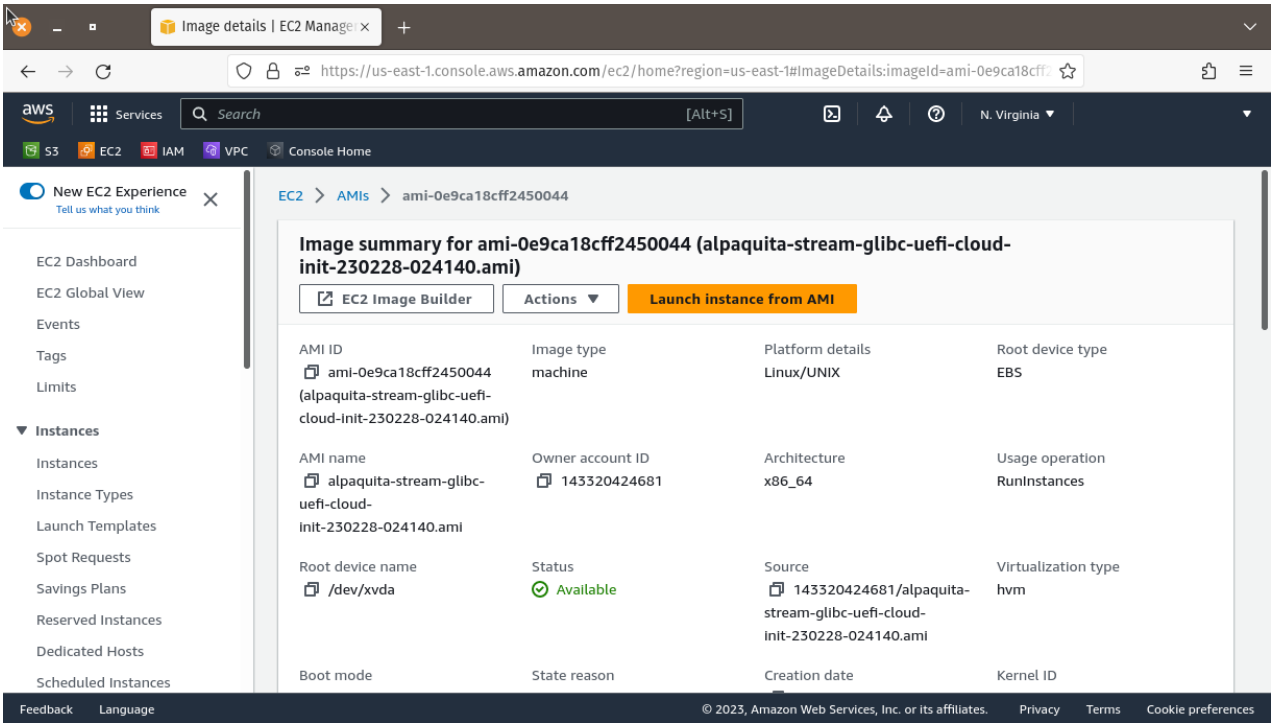


Image details | EC2 Manage
https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ImageDetails:imageId=ami-0e9ca18cff
Services
Search
[Alt+S]
N. Virginia
S3
EC2
IAM
VPC
Console Home
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
EC2 > AMIs > ami-0e9ca18cff2450044
Image summary for ami-0e9ca18cff2450044 (alpaquita-stream-glibc-uefi-cloud-init-230228-024140.ami)
EC2 Image Builder
Actions
Launch instance from AMI
AMI ID
ami-0e9ca18cff2450044 (alpaquita-stream-glibc-uefi-cloud-init-230228-024140.ami)
Image type
machine
Platform details
Linux/UNIX
Root device type
EBS
AMI name
alpaquita-stream-glibc-uefi-cloud-init-230228-024140.ami
Owner account ID
143320424681
Architecture
x86_64
Usage operation
RunInstances
Root device name
/dev/xvda
Status
Available
Source
143320424681/alpaquita-stream-glibc-uefi-cloud-init-230228-024140.ami
Virtualization type
hvm
Boot mode
State reason
Creation date
Kernel ID
Feedback
Language
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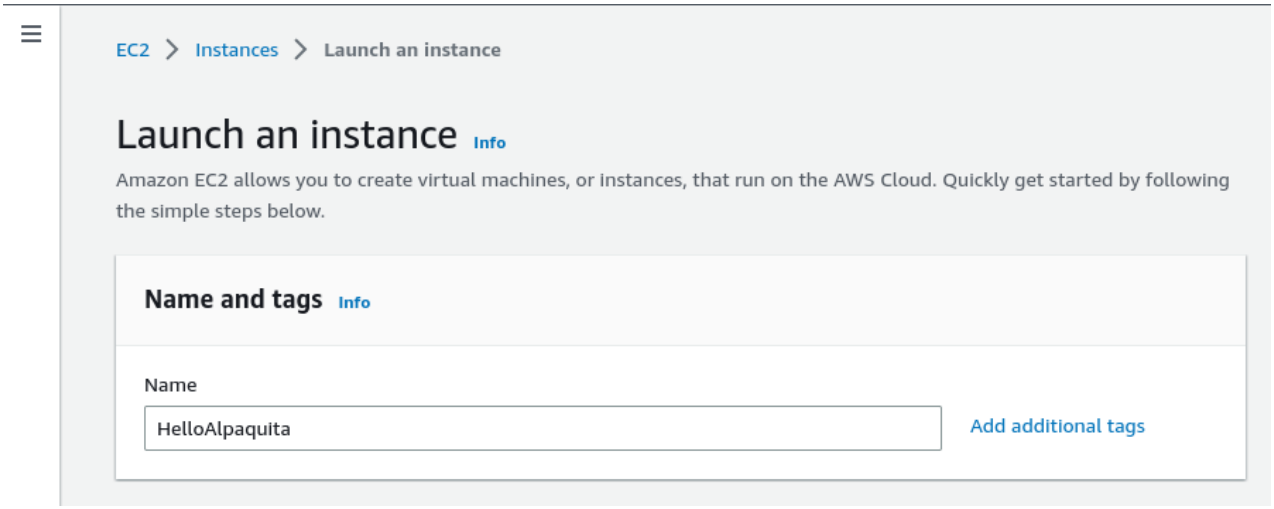
Privacy
Terms
Cookie preferences

3. Launching the virtual machine instance

Click the "Launch instance from AMI" button to open the launch page with a set of forms. Fill in the forms for the selected image.

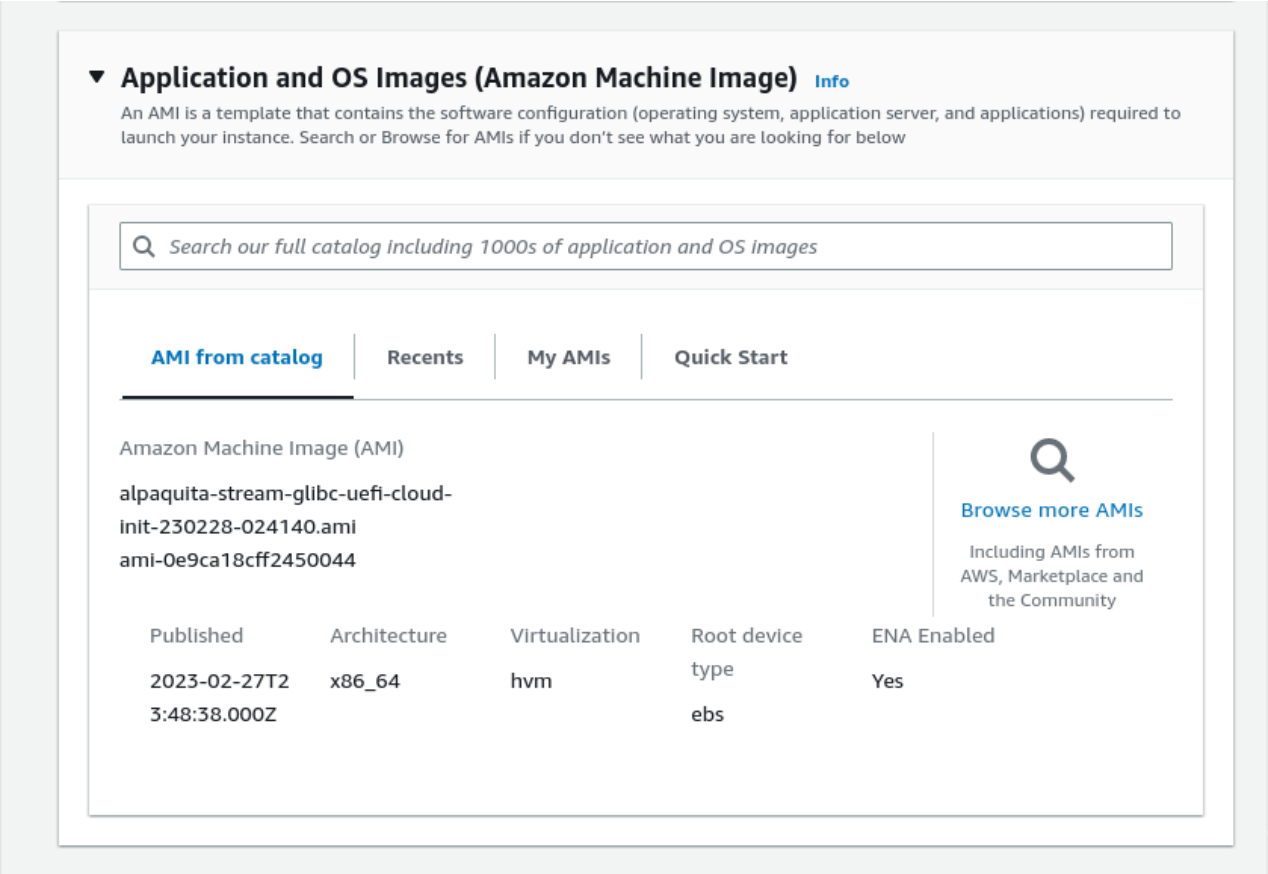
Instance Name

Type in a name for your instance in the **Name** field.



The source AMI

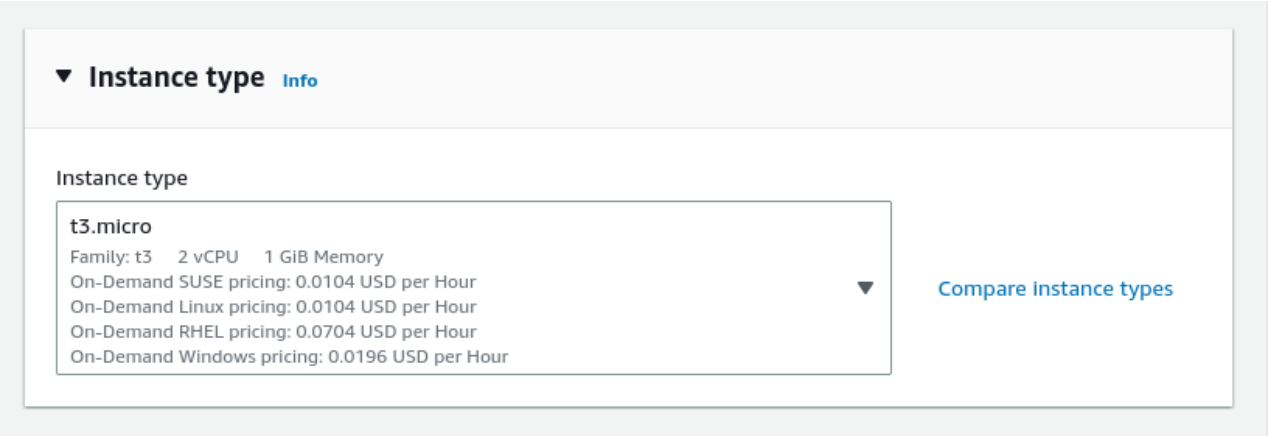
This form is pre-filled with the information from the AMI you have selected on the previous step. Leave the default values.



Instance Type

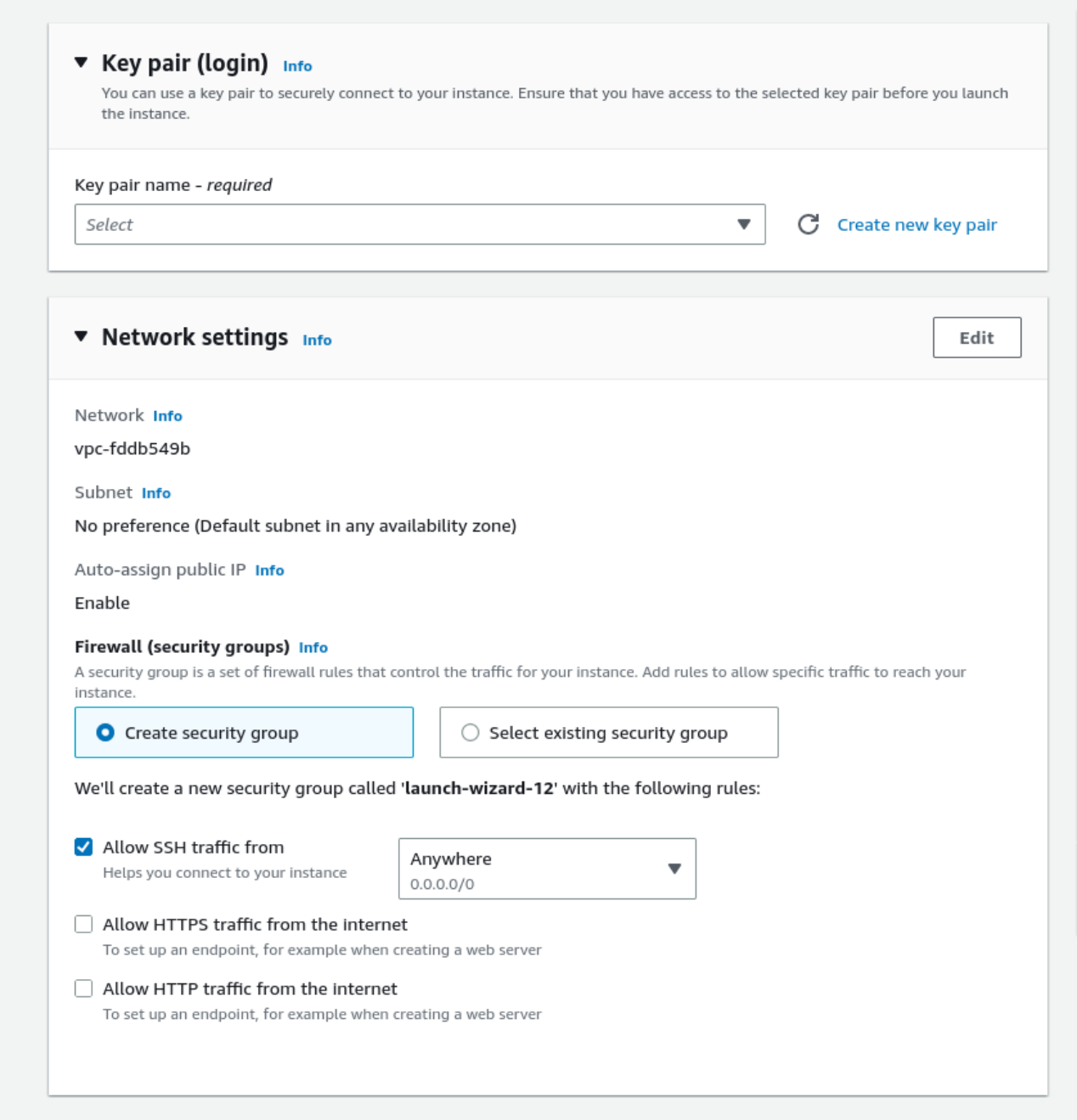
Virtual machines in the cloud come in many shapes and sizes. In the next form, select the instance type you want. You can leave the default selection for a quick introduction.

> **Note:**
>
> See the instance types documentation from Amazon for more information.



Networking

Fill in the following form to access your cloud instance.



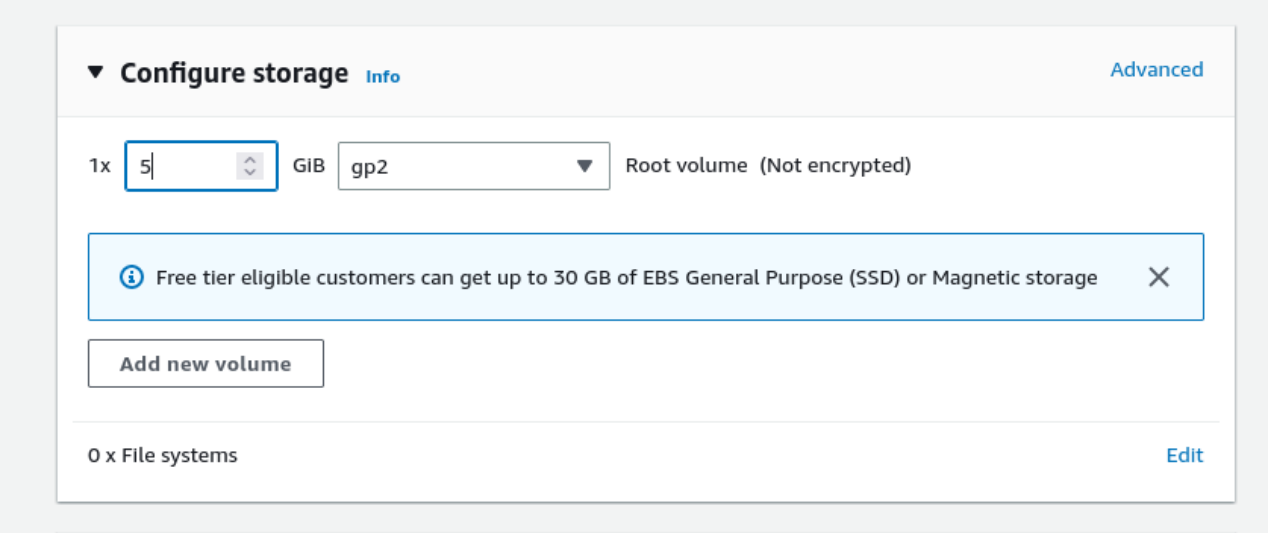
Use an existing SSH key pair, or create a new one. This key pair provides identification when you connect to the created instance.

Select **Allow SSH traffic from** to enable the SSH traffic to connect to your instance.

If you plan to start a networking server in your instance, configure the relevant firewall rules in this form.

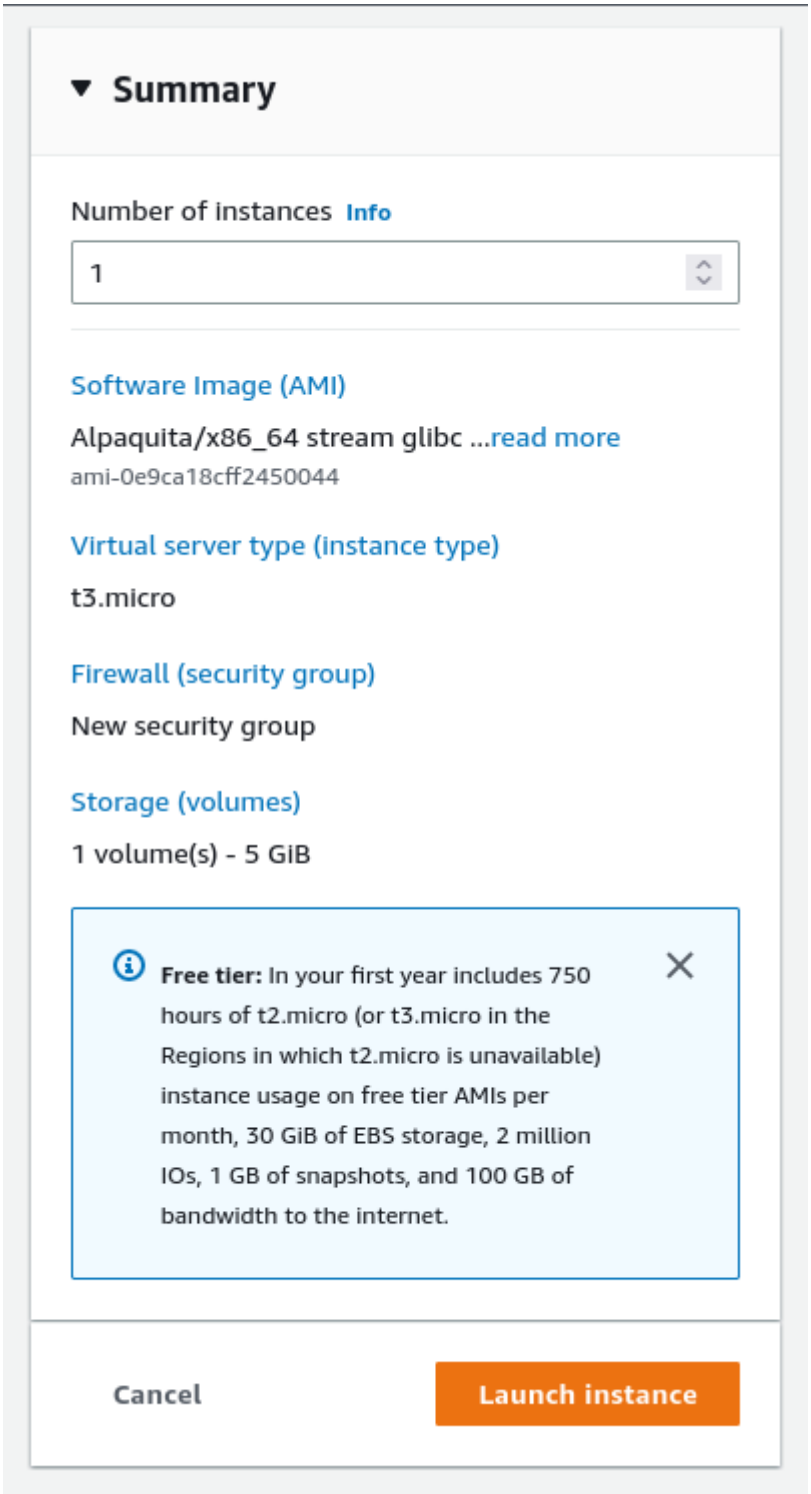
Storage

The next form helps you select the amount of disk space your instance can occupy. If you only want to do some basic testing, leave the default value. If you want to install some apps and test them, you might want to increase the space. In this example we have increased the amount of available disk space form 1GB to 5GB for demonstration purposes.



Review and launch

You are ready to launch your instance. Review the summary of your settings and click the **Launch instance** button.


Summary
Number of instances Info
1
Software Image (AMI)
Alpaquita/x86_64 stream glibc ...read more
ami-0e9ca18cff2450044
Virtual server type (instance type)
t3.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 5 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.
Cancel
Launch instance

4. Logging in

When the instance is launched, you can log in with an SSH client using the *default username* `alpaquita` and the SSH key pair you specified when configuring the instance.

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