

VMD & NAMD on Elastic Compute Cloud (EC2) instance of Amazon Web Services (AWS)

NAMD

Scalable Molecular Dynamics

QwikMD

Gateway for Easy Simulation



amazon
web services

MDFF

Molecular Dynamics Flexible Fitting

VMD

Visual Molecular Dynamics

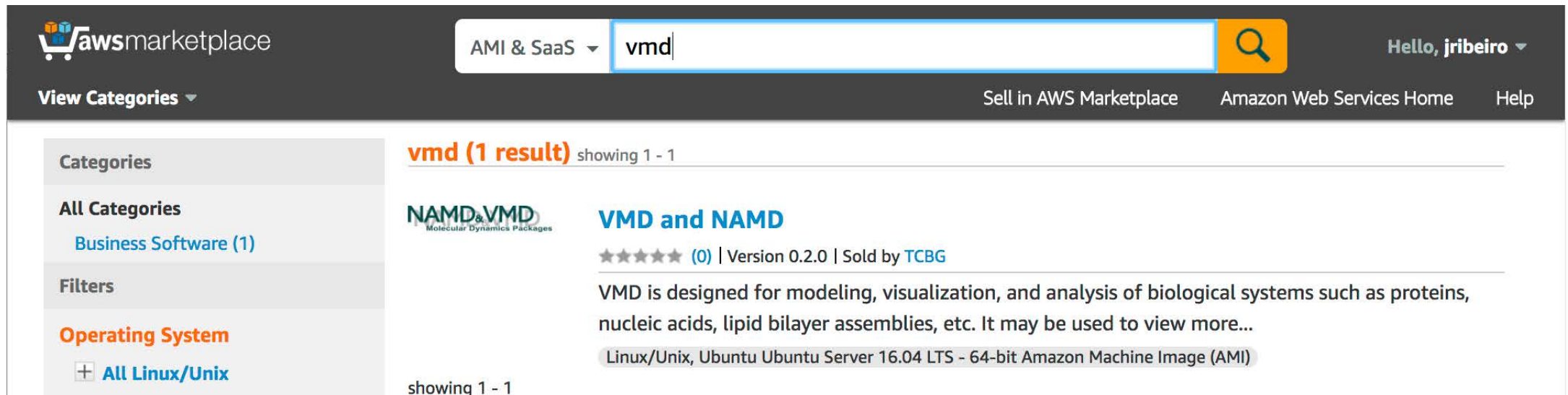
Start VMD & NAMD AMI

(once you have created your AWS account)

AMI - **Amazon** Machine Image

Amazon Marketplace - <https://aws.amazon.com/marketplace/>

Search for “VMD” or “NAMD” or go directly to [VMD and NAMD AMI link](#)



The screenshot shows the AWS Marketplace interface. At the top, the 'awsmarketplace' logo is on the left, and a search bar contains the text 'vmd'. To the right of the search bar is a magnifying glass icon and the text 'Hello, jribeiro'. Below the search bar, there are links for 'View Categories', 'Sell in AWS Marketplace', 'Amazon Web Services Home', and 'Help'. The main content area displays 'vmd (1 result) showing 1 - 1'. On the left side, there is a sidebar with 'Categories' (All Categories, Business Software (1)) and 'Filters' (Operating System: All Linux/Unix). The main result is for 'NAMD & VMD Molecular Dynamics Packages', titled 'VMD and NAMD'. It shows a star rating of (0), version 0.2.0, and is sold by TCBG. The description states: 'VMD is designed for modeling, visualization, and analysis of biological systems such as proteins, nucleic acids, lipid bilayer assemblies, etc. It may be used to view more...'. At the bottom, it lists the operating system: 'Linux/Unix, Ubuntu Ubuntu Server 16.04 LTS - 64-bit Amazon Machine Image (AMI)'. The bottom of the result area shows 'showing 1 - 1'.

awsmarketplace

AMI & SaaS vmd

Hello, jribeiro

View Categories

Sell in AWS Marketplace Amazon Web Services Home Help

Categories

All Categories

Business Software (1)

Filters

Operating System

+ All Linux/Unix

vmd (1 result) showing 1 - 1

NAMD & VMD
Molecular Dynamics Packages

VMD and NAMD

★★★★★ (0) | Version 0.2.0 | Sold by TCBG

VMD is designed for modeling, visualization, and analysis of biological systems such as proteins, nucleic acids, lipid bilayer assemblies, etc. It may be used to view more...

Linux/Unix, Ubuntu Ubuntu Server 16.04 LTS - 64-bit Amazon Machine Image (AMI)

showing 1 - 1

Start VMD & NAMD AMI

(once you have created your AWS account)

Important info:

- Description of the AMI
- AWS region
 - Pricing
 - Instance types

The screenshot shows the AWS Marketplace interface for the 'VMD and NAMD' AMI. The header includes the AWS Marketplace logo, a search bar with 'AMI & SaaS' selected, and a user profile for 'Hello, jribeiro'. Below the header, the product name 'VMD and NAMD' is displayed, along with the seller 'Sold by: TCBG'. A detailed description of the software is provided, explaining its use for modeling and analyzing biological systems. A table of specifications lists the customer rating, latest version (0.2.0), operating system (Linux/Unix), delivery method (64-bit Amazon Machine Image), support (See details below), and AWS services required (Amazon EC2, Amazon EBS). A 'Product Description' section further elaborates on the software's capabilities. On the right side, a 'Continue' button is visible, followed by a 'Pricing Information' section that includes a region selector (US East (N. Virginia)) and a 'Free Tier Eligible' badge. Below this, a 'Pricing Details' section explains that pricing is based on subscription term and AWS region. The bottom section, '1 Software Pricing', shows a table of hourly rates for different EC2 instance types.

| Customer Rating | ★★★★★ (0 Customer Reviews) |
|-----------------------|---|
| Latest Version | 0.2.0 (Other available versions) |
| Operating System | Linux/Unix, Ubuntu Ubuntu Server 16.04 LTS |
| Delivery Method | 64-bit Amazon Machine Image (AMI) (Read more) |
| Support | See details below |
| AWS Services Required | Amazon EC2, Amazon EBS |
| Highlights | Highly Scalable |

Product Description

VMD is designed for modeling, visualization, and analysis of biological systems such as proteins, nucleic acids, lipid bilayer assemblies, etc. It may be used to view more general molecules, as VMD can read standard Protein Data Bank (PDB) files and display the contained structure. VMD provides a wide variety of methods for rendering and coloring a molecule: simple points and lines, CPK spheres and cylinders, licorice bonds, backbone tubes and ribbons, cartoon drawings, and others. VMD can be used to animate and analyze the trajectory of a molecular dynamics (MD) simulation. In particular, VMD can act as a graphical front end for an external MD program by displaying and animating a molecule undergoing simulation on a remote computer. NAMD, recipient of a 2002 Gordon Bell Award and a 2012 Sidney Fernbach Award, is a parallel molecular dynamics code designed for high-performance simulation of large biomolecular systems. Based on Charm++ parallel objects, NAMD scales to hundreds of cores for typical simulations and beyond 500,000 cores for the largest simulations. NAMD uses the popular molecular graphics program VMD for simulation setup and trajectory analysis, but is also file-compatible with AMBER, CHARMM, and X-PLOR.

Pricing Information

Use the Region dropdown selector to see software and infrastructure pricing information for the chosen AWS region.

For Region: US East (N. Virginia)

Free Tier Eligible EC2 charges for Micro instances are free for up to 750 hours a month if you qualify for the AWS Free Tier.

Pricing Details

Software pricing is based on your chosen options, such as subscription term and AWS region. Infrastructure prices are estimates only. Final prices will be calculated according to actual usage and reflected on your monthly report.

1 Software Pricing

The data below shows pricing per instance for services hosted in US East (N. Virginia).

| VMD and NAMD - Hourly | | | |
|-----------------------|--------------|---------|-----------|
| EC2 Instance Type | Software /hr | EC2 /hr | Total /hr |
| t2.micro | \$0.00 | \$0.012 | \$0.012 |



Start VMD & NAMD AMI

(once you have created your AWS account)

Important info:

- Description of the AMI
- AWS region
 - Pricing
 - Instance types
- Usage instructions
- Support details

Usage Instructions

After launching the AMI, users can access the instance through the command line using SSH or visually using VNC. To connect to the instance with VNC, you will need a VNC viewer software such as the NICE DCV Endstation <http://www.nice-software.com/download/nice-dcv-2016> . To access a running instance, you will need to use its public IP and port 5901 in your VNC viewer software of choice. The password is the first 8 characters of the instance id. For command line access with SSH, you should log in to the public IP with user "ubuntu" and using the keypair you selected when launching the AMI. For more information, see <http://www.ks.uiuc.edu/Research/cloud/>  [Read more](#)

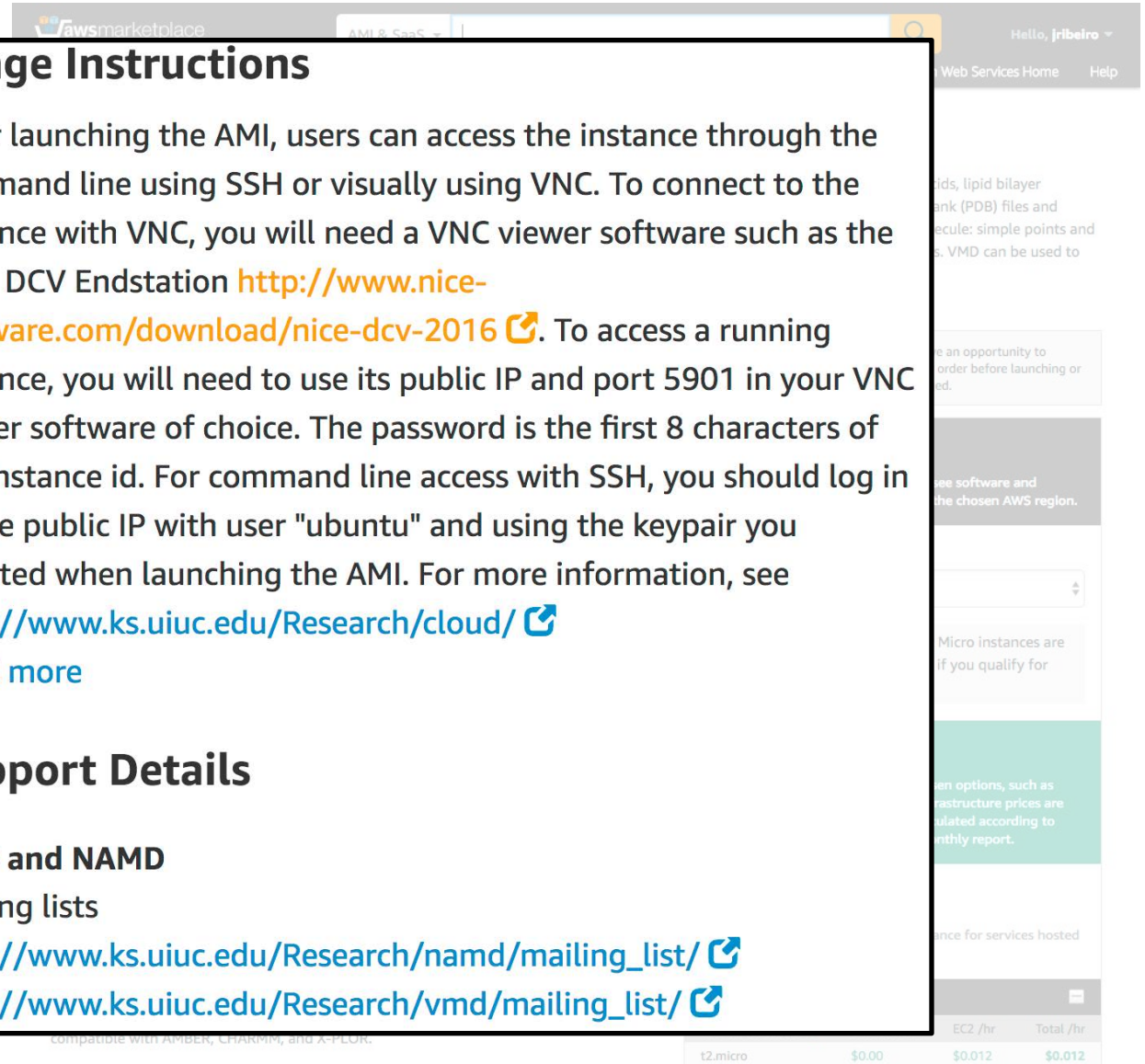
Support Details

VMD and NAMD

Mailing lists

http://www.ks.uiuc.edu/Research/namd/mailing_list/ 

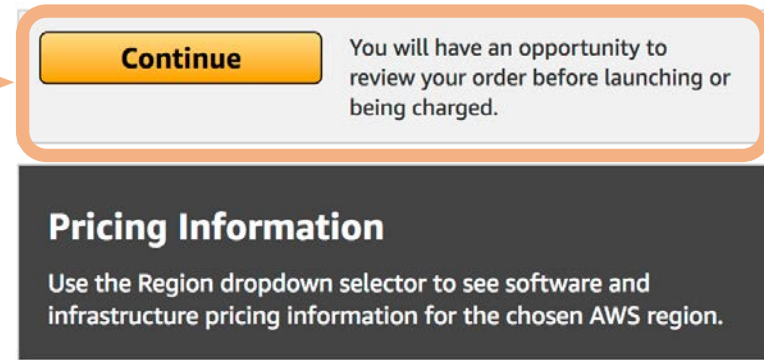
http://www.ks.uiuc.edu/Research/vmd/mailing_list/ 



Start VMD & NAMD AMI

(once you have created your AWS account)

Press Continue



Start VMD & NAMD AMI

(once you have created your AWS account)

Important info:

- Pricing
- Instance type selection
- All default options of the AMI

The screenshot displays the AWS Marketplace interface for launching the VMD and NAMD AMI. The top navigation bar includes the AWS Marketplace logo, a search bar with 'AMI & SaaS' selected, and user information for 'Hello, Jribeiro'. Below the navigation bar, the page title 'Launch on EC2: VMD and NAMD' is shown. The main content area is divided into two tabs: '1-Click Launch' (selected) and 'Manual Launch'. The '1-Click Launch' tab contains a section titled 'Click "Launch with 1-Click" to launch this software with the settings below', followed by a list of default settings: Version (0.2.0, released 04/03/2017), Region (US East (N. Virginia)), EC2 Instance Type (g2.2xlarge), VPC Settings (Will launch into EC2 Classic), and Security Group. To the right of the settings, a 'Price for your Selections' box shows the hourly price of \$0.65 for the g2.2xlarge instance, plus \$0.10 per GB-month of provisioned storage. Below this, a 'Free Tier Eligible' section states that EC2 charges for Micro instances are free for up to 750 hours a month. A 'Launch with 1-click' button is prominently displayed. At the bottom right, a 'Cost Estimator' box shows a total monthly cost of \$468.00, broken down into software charges (\$0.00) and AWS infrastructure charges (\$468.00). A note at the bottom of the settings section indicates that T2, C4, D2, M4, P2, R4, and X1 instance types are only available in VPCs.

awsmarketplace AMI & SaaS Hello, Jribeiro

View Categories Sell in AWS Marketplace Amazon Web Services Home Help

Launch on EC2: VMD and NAMD

1-Click Launch Review, modify and launch

Manual Launch With EC2 Console, API or CLI

Click "Launch with 1-Click" to launch this software with the settings below

The default settings are provided by the software seller and AWS Marketplace.

► **Version**
0.2.0, released 04/03/2017

► **Region**
US East (N. Virginia)

▼ **EC2 Instance Type**

| | | |
|-------------------|-------------|---|
| t2.micro | Memory | 15 GiB |
| t2.small | CPU | 22 EC2 Compute Units (8 virtual cores), plus 1 NVIDIA GK104 GPU |
| t2.medium | Storage | 1 x 60 GB SSD |
| m3.medium | Platform | 64-bit |
| m3.large | Network | High |
| m3.xlarge | Performance | |
| m3.2xlarge | API Name | g2.2xlarge |
| g2.2xlarge | | |
| c3.large | | |
| c3.xlarge | | |

! T2, C4, D2, M4, P2, R4 and X1 instance types are only available in VPCs. To view the details for these instance types, please select a VPC.

► **VPC Settings**
Will launch into EC2 Classic

▼ **Security Group**

Price for your Selections:

\$0.65 / hour
\$0.65 g2.2xlarge EC2 Instance usage fees +
\$0.00 hourly software fee

\$0.10 per GB-month of provisioned storage
EBS General Purpose (SSD) volumes

Free Tier Eligible

EC2 charges for Micro instances are free for up to **750 hours** a month if you [qualify for the AWS Free Tier](#). See [details](#).

Launch with 1-click

You will be subscribed to this software and agree that your use of this software is subject to the pricing terms and the seller's [End User License Agreement \(EULA\)](#) and your use of AWS services is subject to the [AWS Customer Agreement](#).

▼ **Cost Estimator**

\$468.00 / month
g2.2xlarge EC2 Instance usage fees
Assumes 24 hour use over 30 days

Software Charges

\$0.00 / month
\$0.00 hourly software fees for g2.2xlarge

AWS Infrastructure Charges

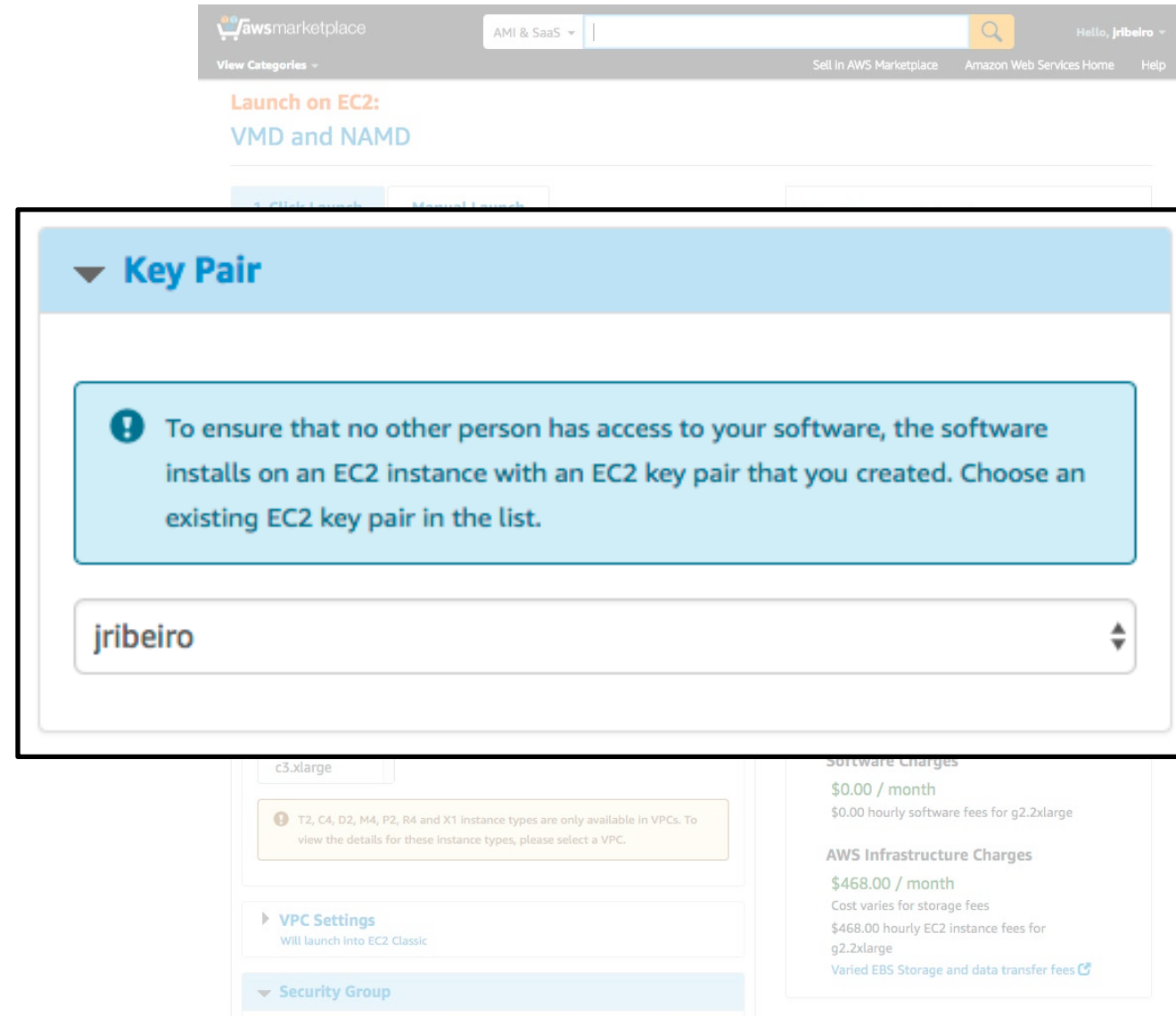
\$468.00 / month
Cost varies for storage fees
\$468.00 hourly EC2 instance fees for g2.2xlarge
[Varied EBS Storage and data transfer fees](#)

Start VMD & NAMD AMI

(once you have created your AWS account)

Important info:

- Pricing
- Instance type selection
- All default options of the AMI
- Select security key pair (bottom of the page)
 - If we don't have one?!

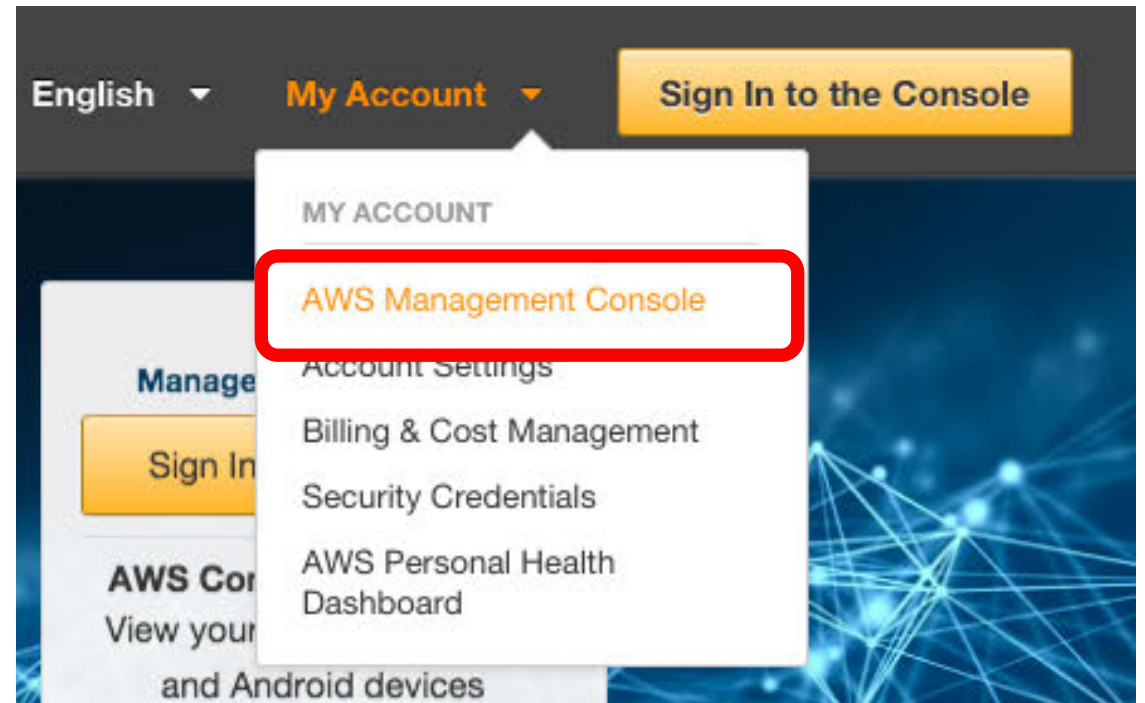


Generate a Key Pair file

(once you have created your AWS account)

Go to aws.amazon.com

- AWS Management Console

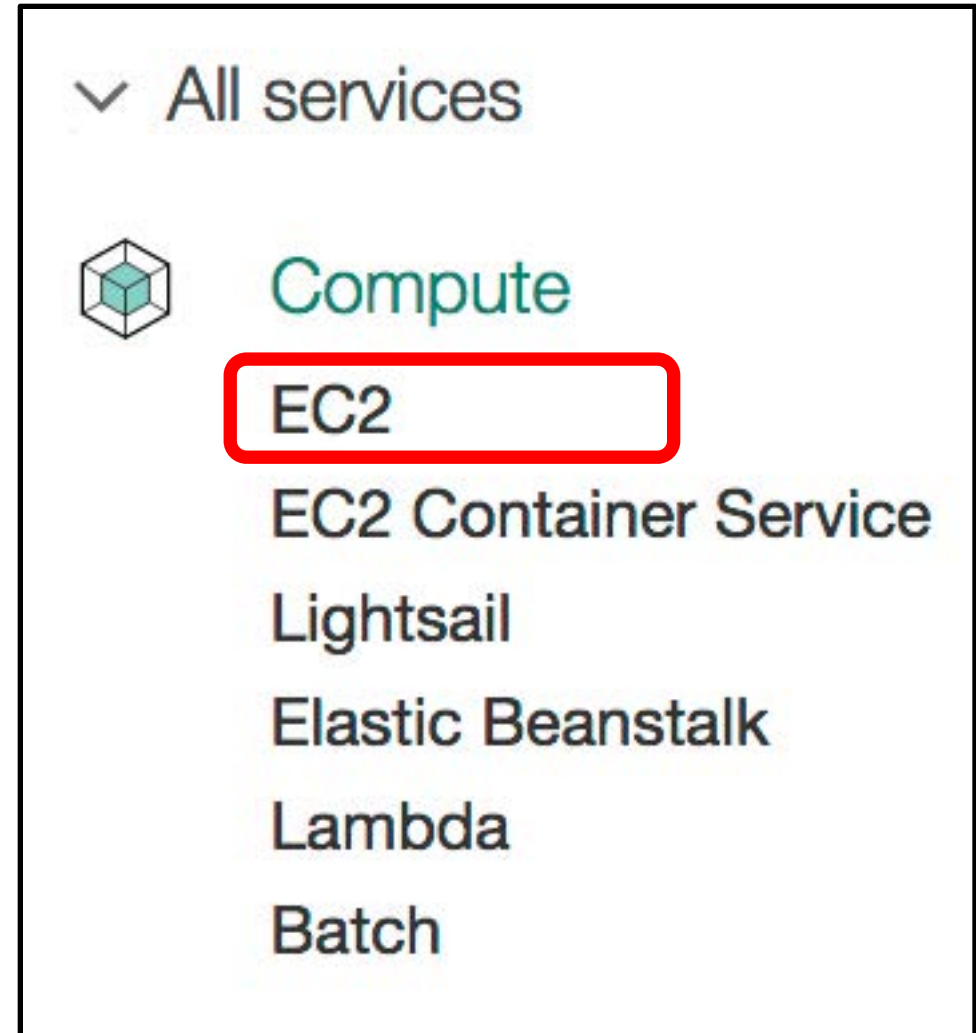


Generate a Key Pair file

(once you have created your AWS account)

Go to aws.amazon.com

- AWS Management Console
- “All services” > Compute > “EC2”

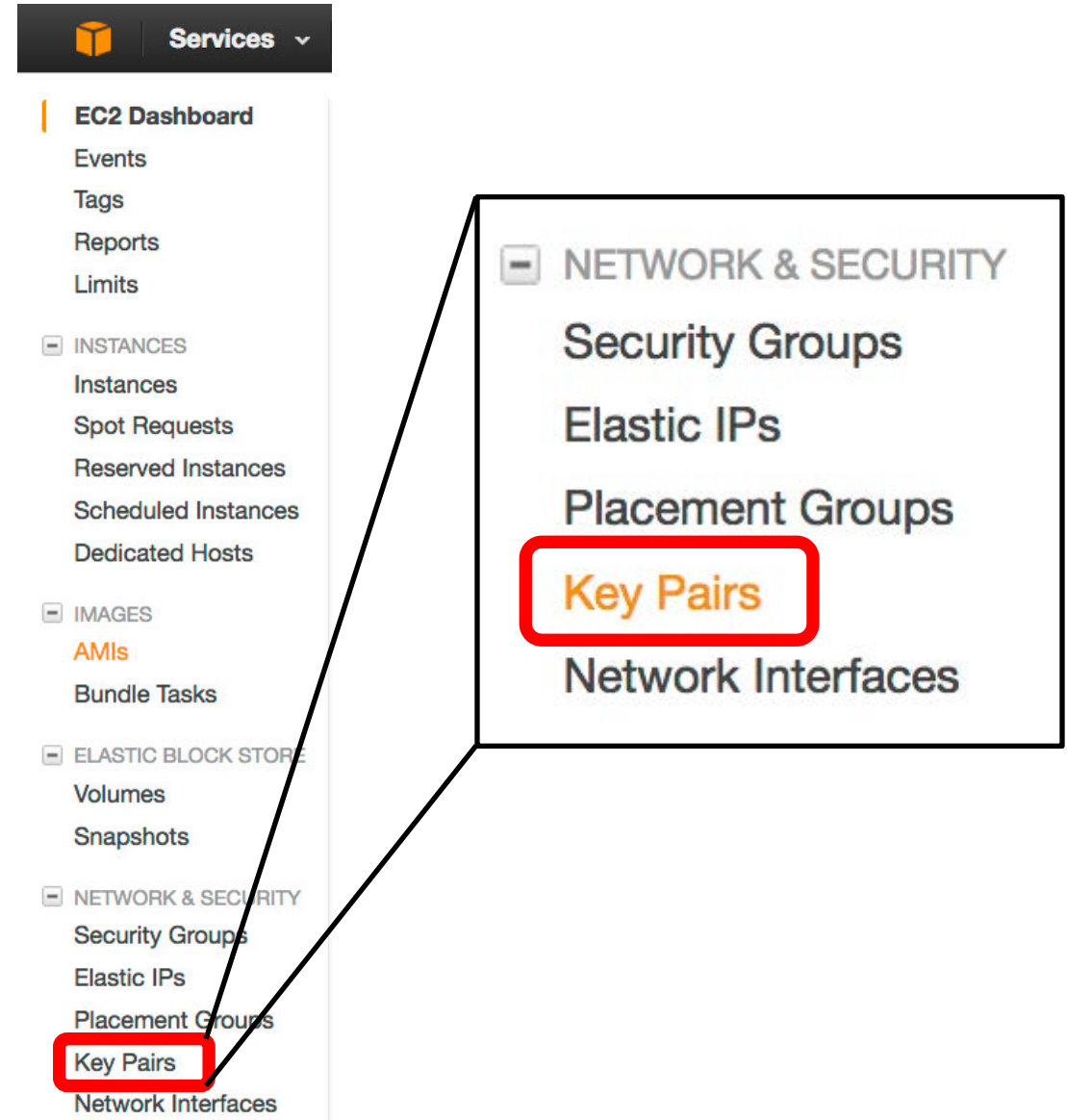


Generate a Key Pair file

(once you have created your AWS account)

Go to aws.amazon.com

- [AWS Management Console](#)
- “All services” > Compute > “[EC2](#)”
- “Network & Security” > Key Pairs



Generate a Key Pair file

(once you have created your AWS account)

Go to aws.amazon.com

- [AWS Management Console](#)
- “All services” > Compute > “[EC2](#)”
- “Network & Security” > Key Pairs
- “Create Key Pair”
 - Save the *.pem file (important to transfer files)

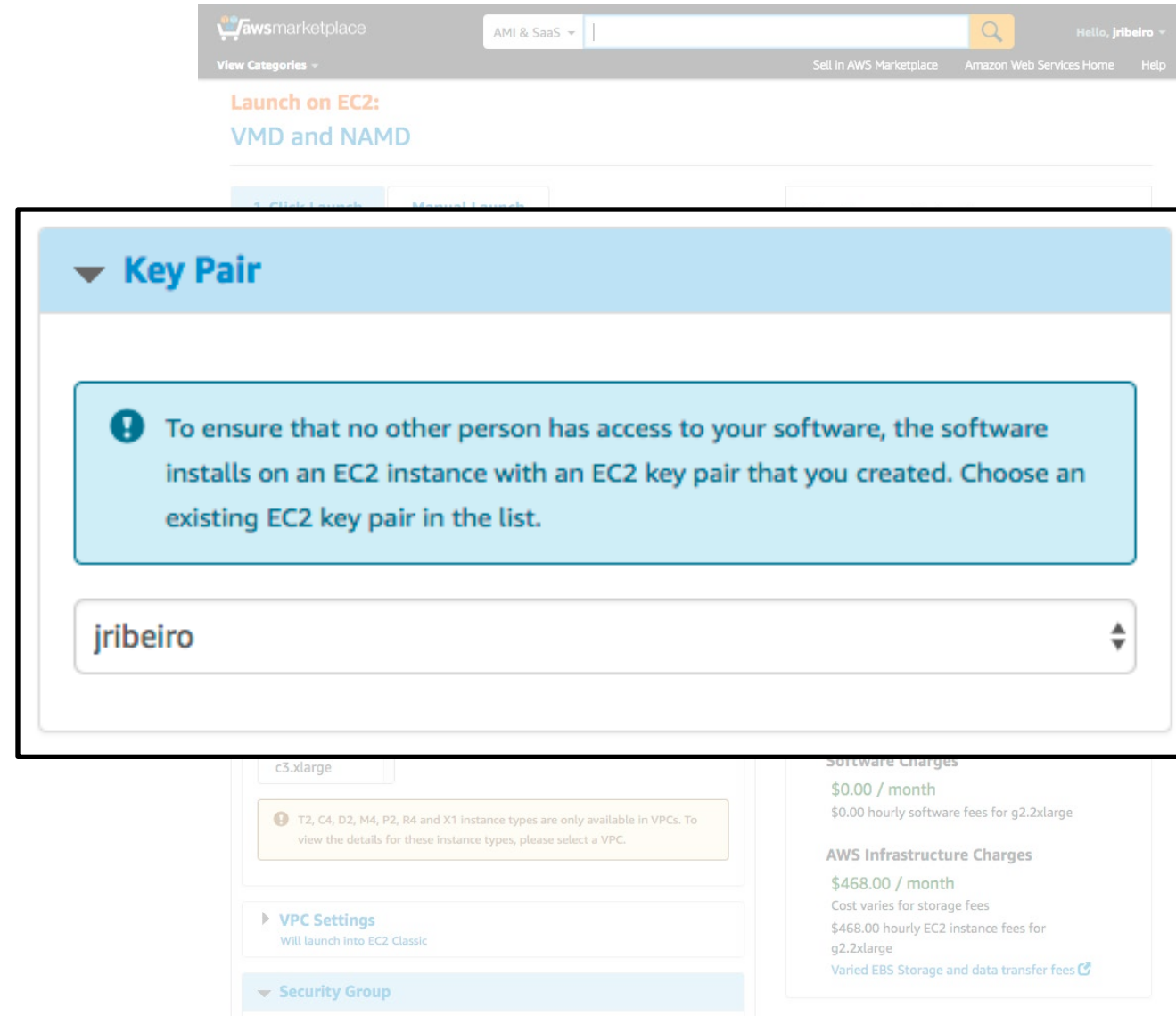


Start the VMD & NAMD AMI

(once you have created your AWS account)

Important info:

- Pricing
- Instance type selection
- All default options of the AMI
- Select security key pair
 - If we don't have one?!
 - We do have a *.pem file
 - Select you Key pair

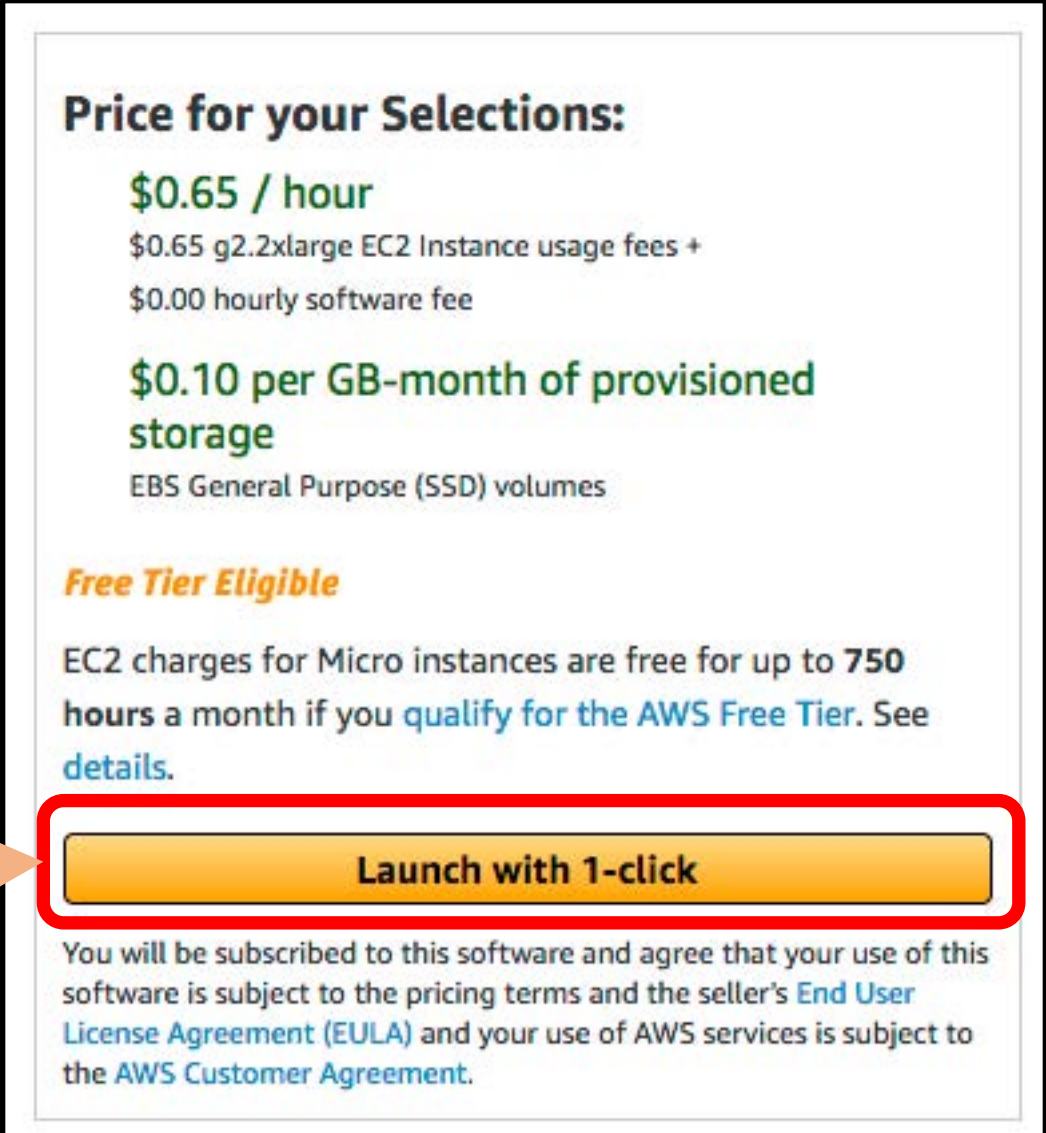


Start the VMD & NAMD AMI

(once you have created your AWS account)

Important info:

- Pricing
- Instance type selection
- All default options of the AMI
- Select security key pair
 - If we don't have one?!
 - We do have a *.pem file
 - Select you Key pair
- “Launch with 1-click”



Price for your Selections:

\$0.65 / hour
\$0.65 g2.2xlarge EC2 Instance usage fees +
\$0.00 hourly software fee

\$0.10 per GB-month of provisioned storage
EBS General Purpose (SSD) volumes

Free Tier Eligible

EC2 charges for Micro instances are free for up to **750 hours** a month if you [qualify for the AWS Free Tier](#). See [details](#).

Launch with 1-click

You will be subscribed to this software and agree that your use of this software is subject to the pricing terms and the seller's [End User License Agreement \(EULA\)](#) and your use of AWS services is subject to the [AWS Customer Agreement](#).

An orange arrow points from the 'Launch with 1-click' button in the list to the 'Launch with 1-click' button in the screenshot.

Start the VMD & NAMD AMI

(once you have created your AWS account)

Important info:

- Pricing
- Instance type selection
- All default options of the AMI
- Select security key pair
 - If we don't have one?!
 - We do have a *.pem file
 - Select you Key pair
- “Launch with 1-click”

✓ **Thank you for launching VMD and NAMD**

An instance of this software is now deploying on EC2.
You can check the status of this instance on [EC2 Console](#). You can also view all instances on [Your Software](#) page.
Software and AWS hourly usage fees apply when the instance is running and will appear on your monthly bill.

Next Steps:

- The software will be ready in a few minutes.

Software Installation Details

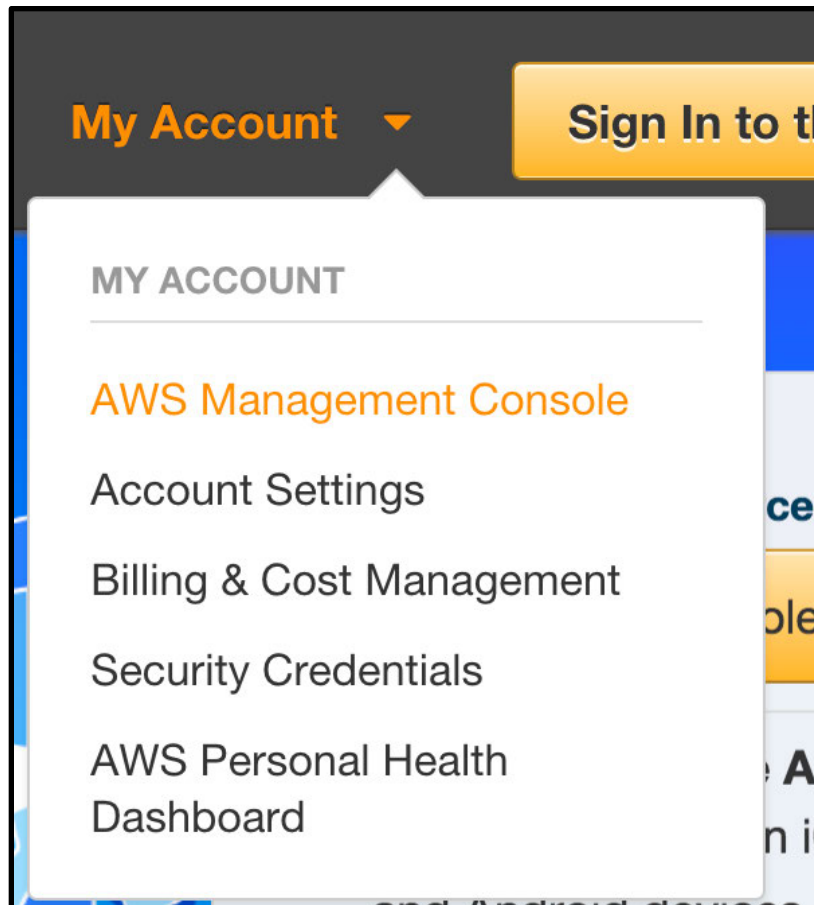
| | |
|-------------------|--|
| Product | VMD and NAMD |
| Version | 0.2.0 |
| Region | us-east-1 |
| EC2 Instance Type | g2.2xlarge |
| VPC | EC2 Classic (no VPC) |
| Security Group | Create new security group based on seller settings |
| Key Pair | jribeiro |

[Return to Launch Page](#)

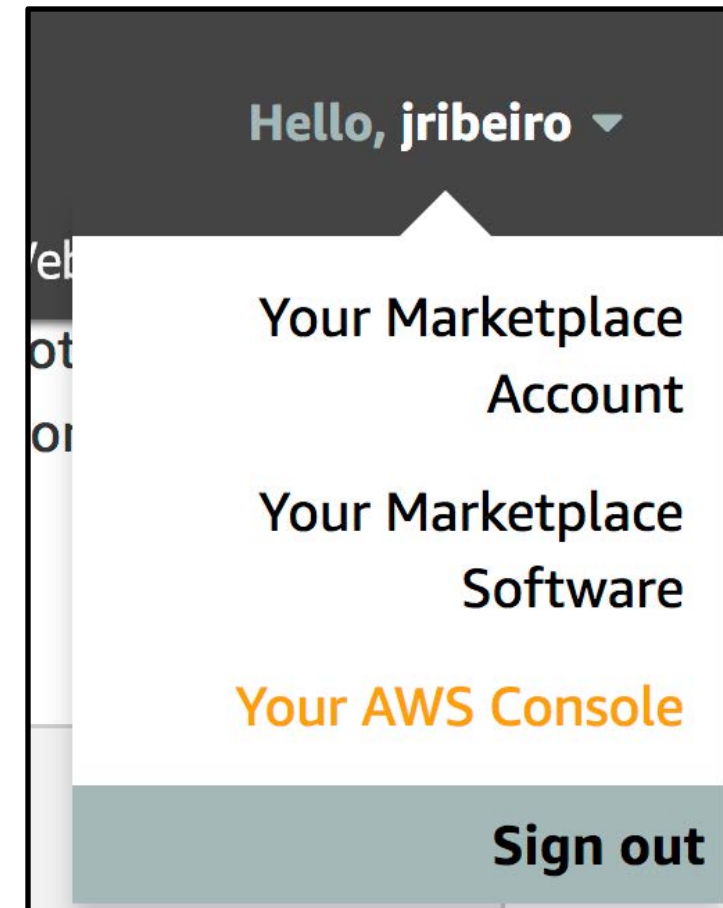
Connect to the Instance

Go to your AWS console

From AWS Website

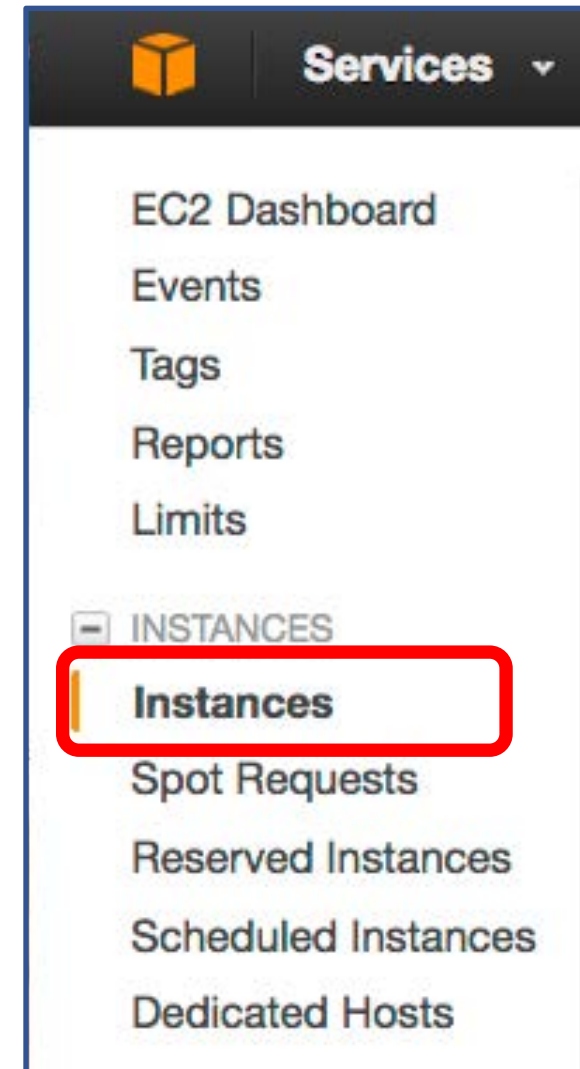
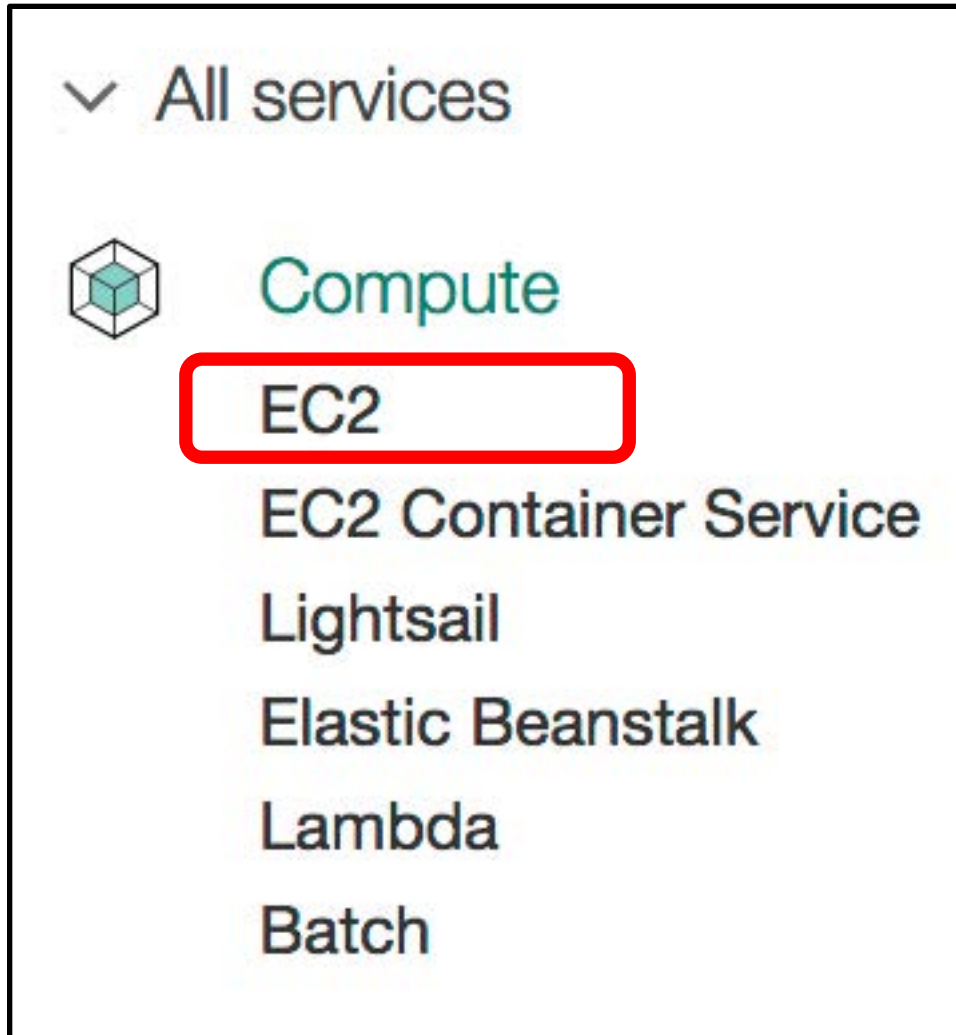


From AWS Marketplace



Connect to the Instance

Go to your AWS console



Connect to the Instance

Launch Instance

Connect

Actions

search : VMD&NAMD

Add filter

1 to 1 of 1

| | Name | Instance ID | Instance Type | Availability Zone | Instance State | Status Checks | Alarm Status | Public DNS (IPv4) | IP |
|-------------------------------------|----------|---------------------|---------------|-------------------|----------------|----------------|--------------|--------------------------|----|
| <input checked="" type="checkbox"/> | VMD&NAMD | i-0466e65742230c34a | g2.2xlarge | us-east-1d | running | 2/2 checks ... | None | ec2-54-163-158-231.co... | 54 |

Instance: i-0466e65742230c34a (VMD&NAMD)

Public DNS: ec2-54-163-158-231.compute-1.amazonaws.com

Public DNS for SFTP

Description

Status Checks

Monitoring

Tags

Usage Instructions

Instance ID

i-0466e65742230c34a

DCV Password

Instance state

running

Instance type

g2.2xlarge

Elastic IPs

Availability zone

us-east-1d

Security groups

VMD and NAMD-0.2.0-AutogenByAWSMP-. view inbound rules

Scheduled events

No scheduled events

AMI ID

VMD-NAMD-VNC-R1.4-9615ba9a-d797-4aab-852a-e5c0bc869e44-ami-d519a2c3.4 (ami-6ece7478)

Public DNS (IPv4)

ec2-54-163-158-231.compute-1.amazonaws.com

IPv4 Public IP

54.163.158.231

IP for DCV

IPv6 IPs

-

Private DNS

ip-10-91-146-125.ec2.internal

Private IPs

10.91.146.125

Secondary private IPs

-

VPC ID

-

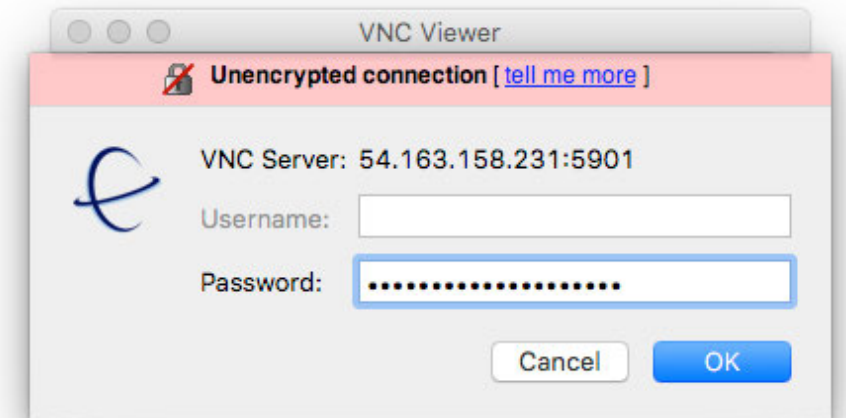
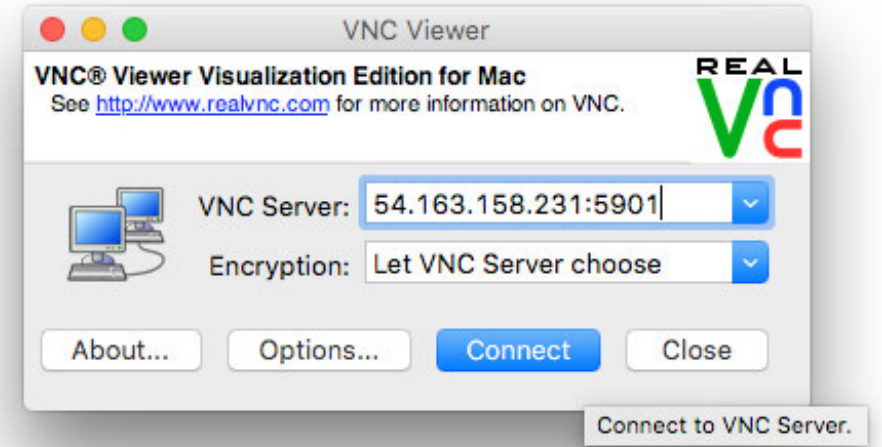
Subnet ID

-

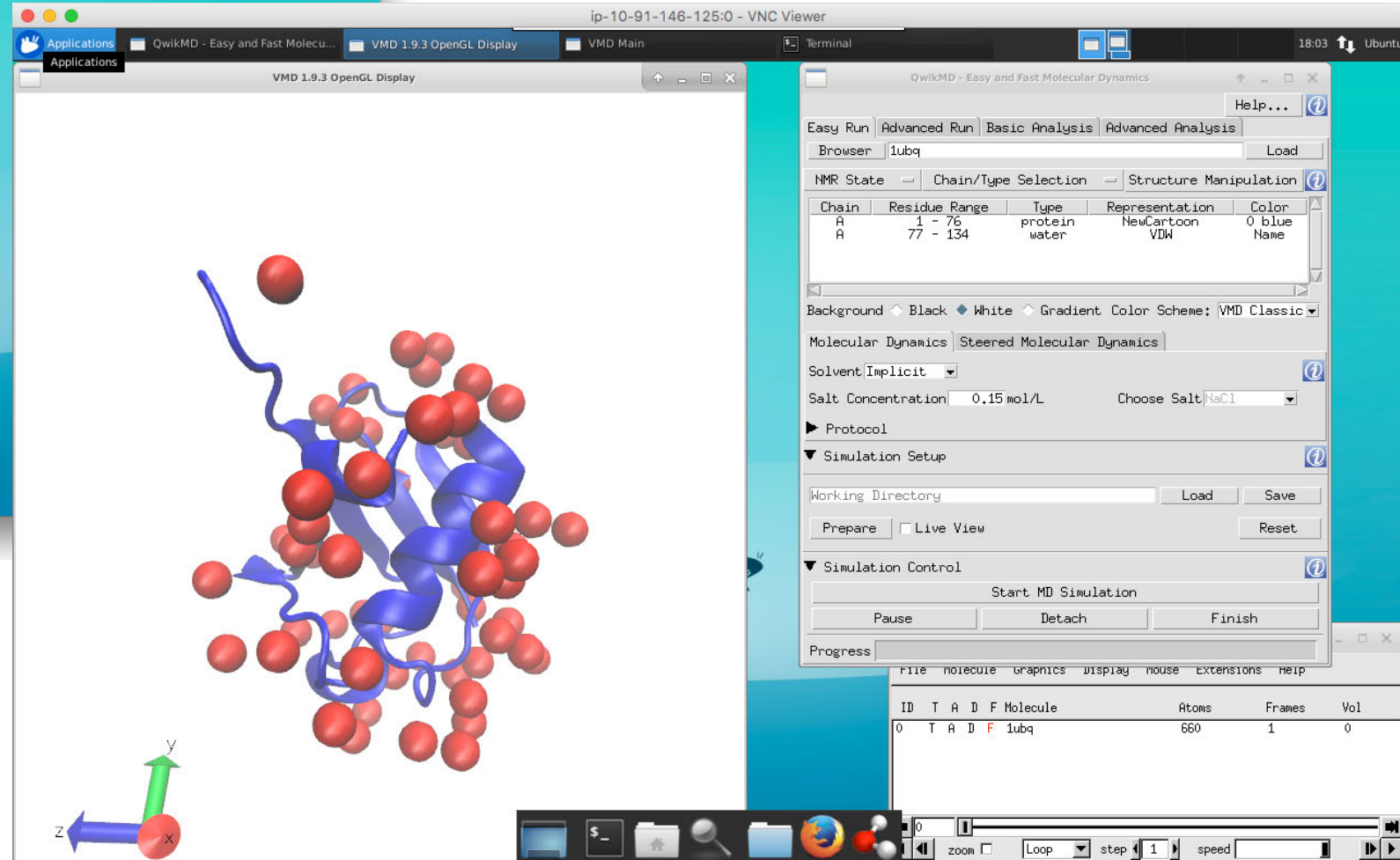
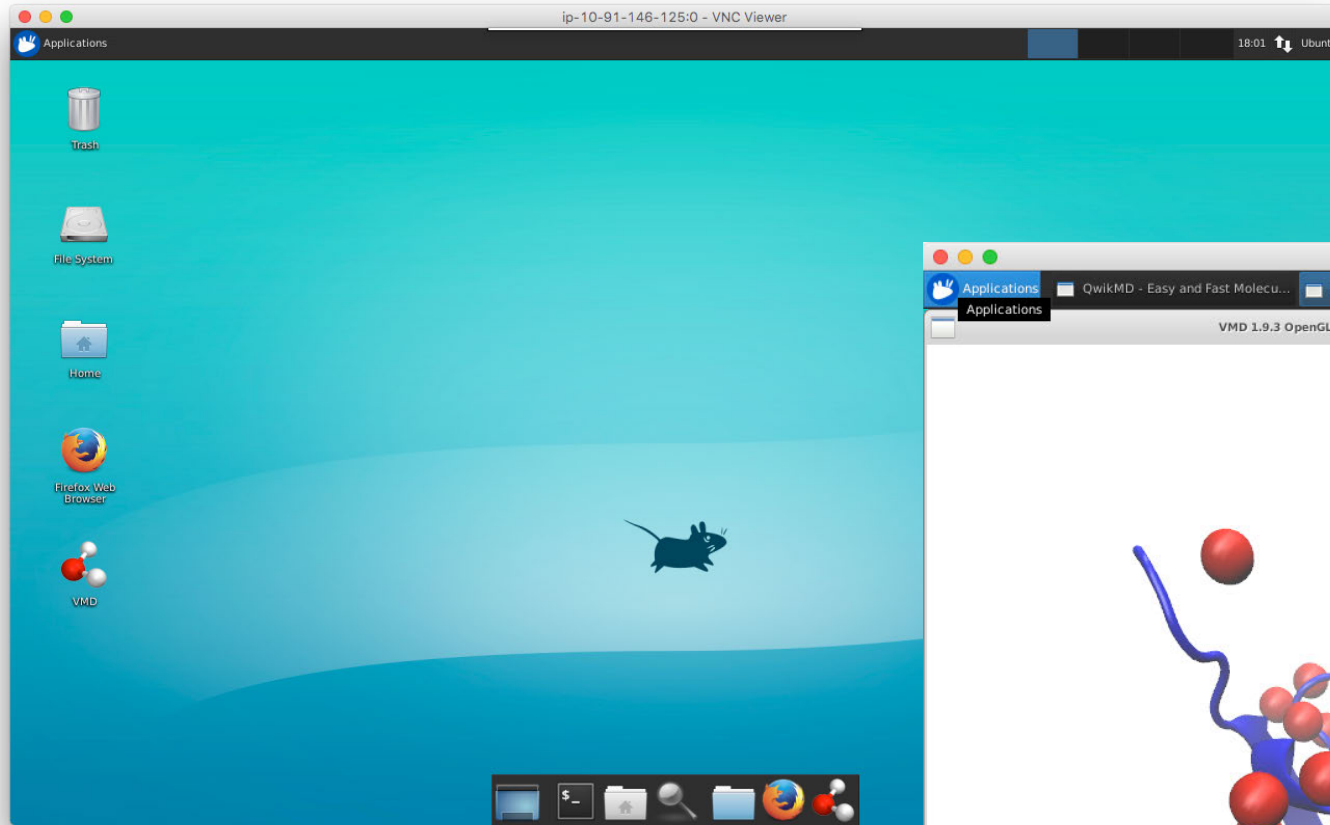
Connect to the Instance

Once the instance is running:

- Open [NICE DCV Endstation](http://www.nice-software.com)
 - <http://www.nice-software.com>
- VNC Server: <IP for DCV>:5901
- Connect
- Password: <Instance ID>



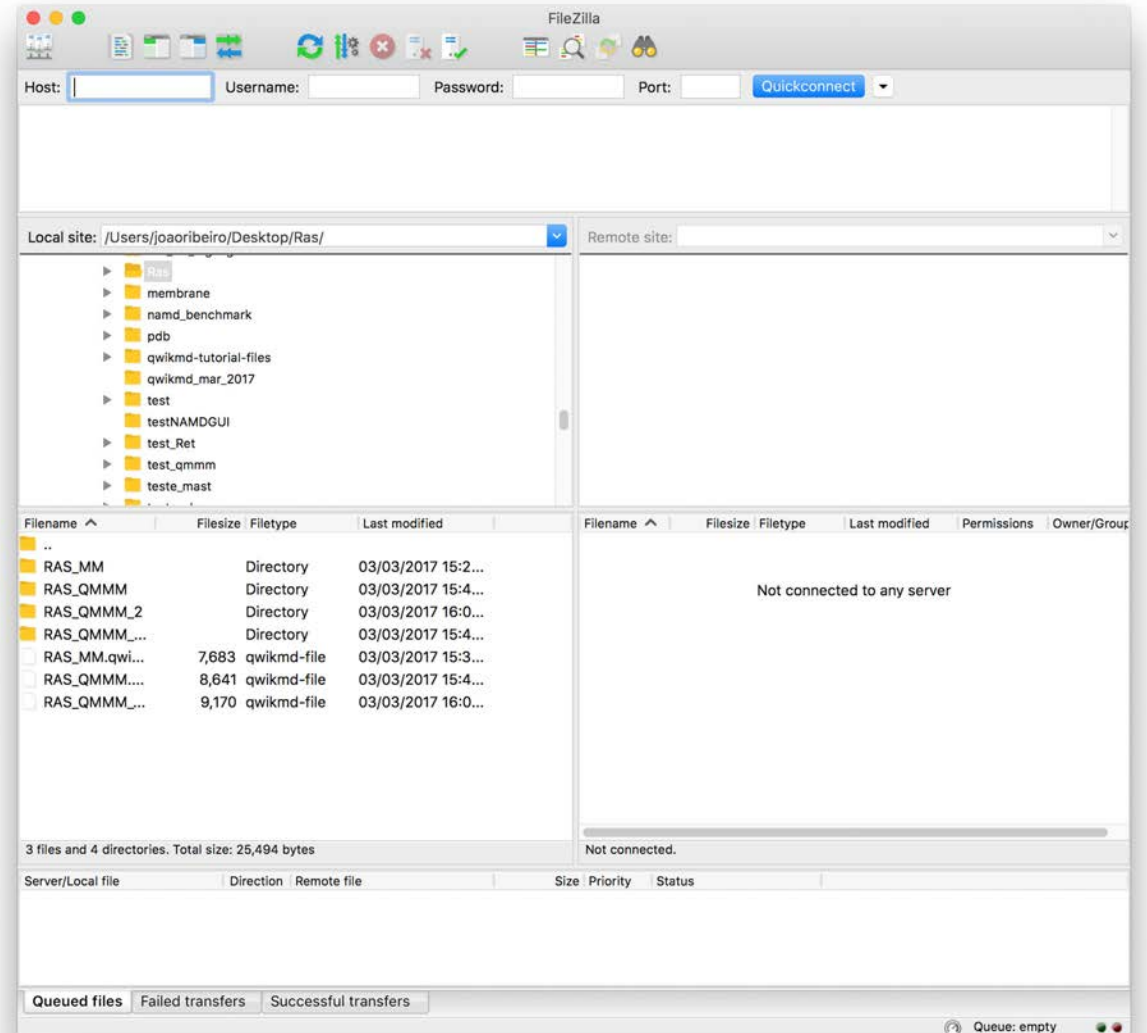
Enjoy It



Transfer Files to and from a Running Instance

Using a SFTP program:

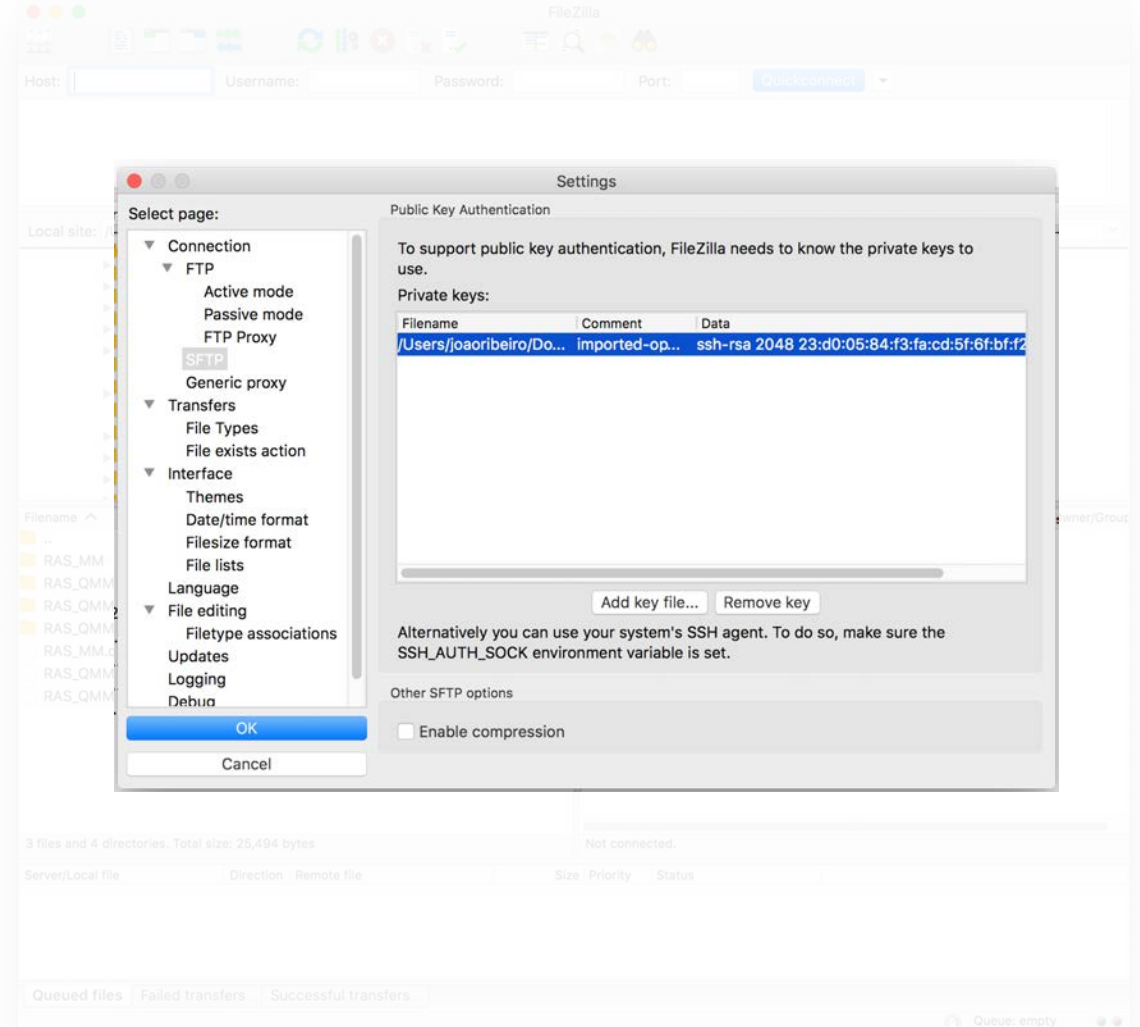
- [FileZilla](https://filezilla-project.org/) (Mac/Windows/Linux)
 - <https://filezilla-project.org/>



Transfer Files to and from a Running Instance

Using a SFTP program:

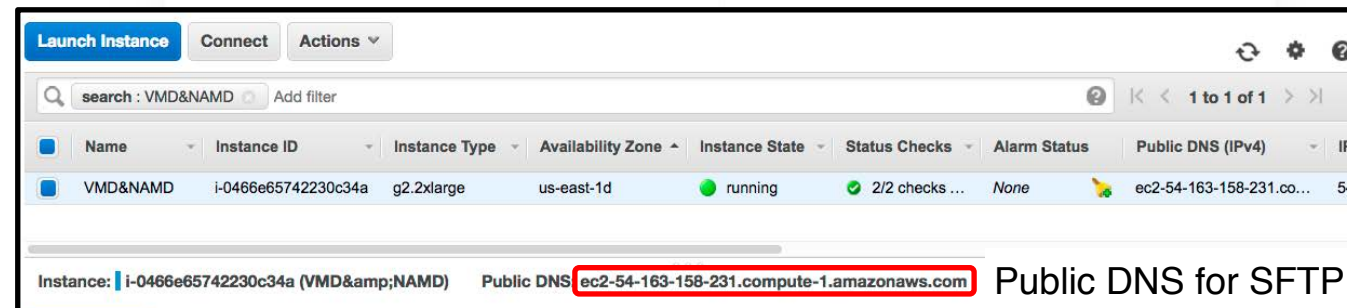
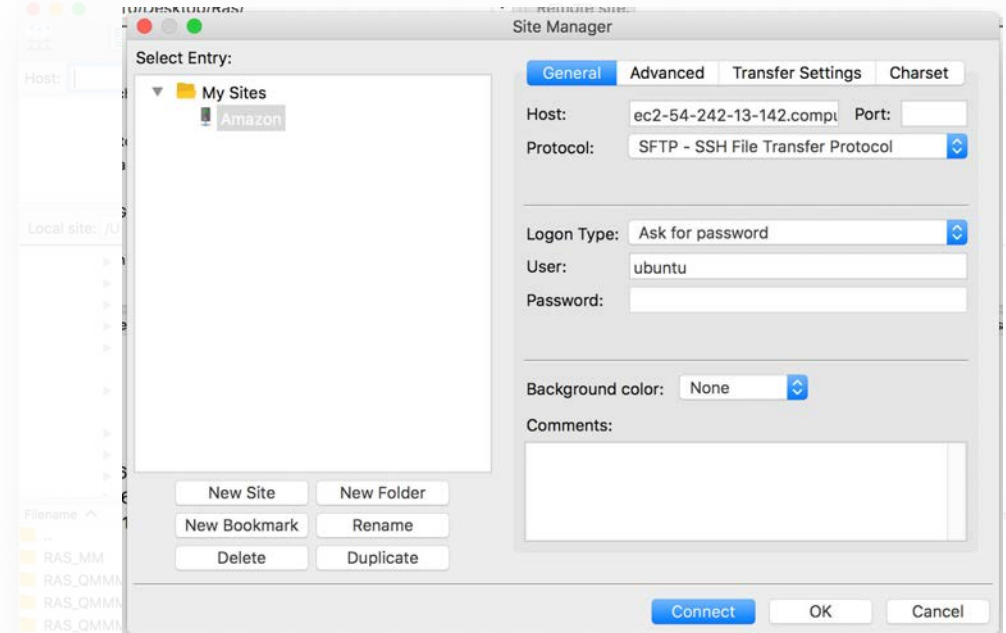
- [FileZilla](https://filezilla-project.org/) (Mac/Windows/Linux)
 - <https://filezilla-project.org/>
- Edit (Preferences) > Settings > Connection > SFTP, Click "Add key file"
 - Add the *.pem file created before
 - Press Ok



Transfer Files to and from a Running Instance

Using a SFTP program:

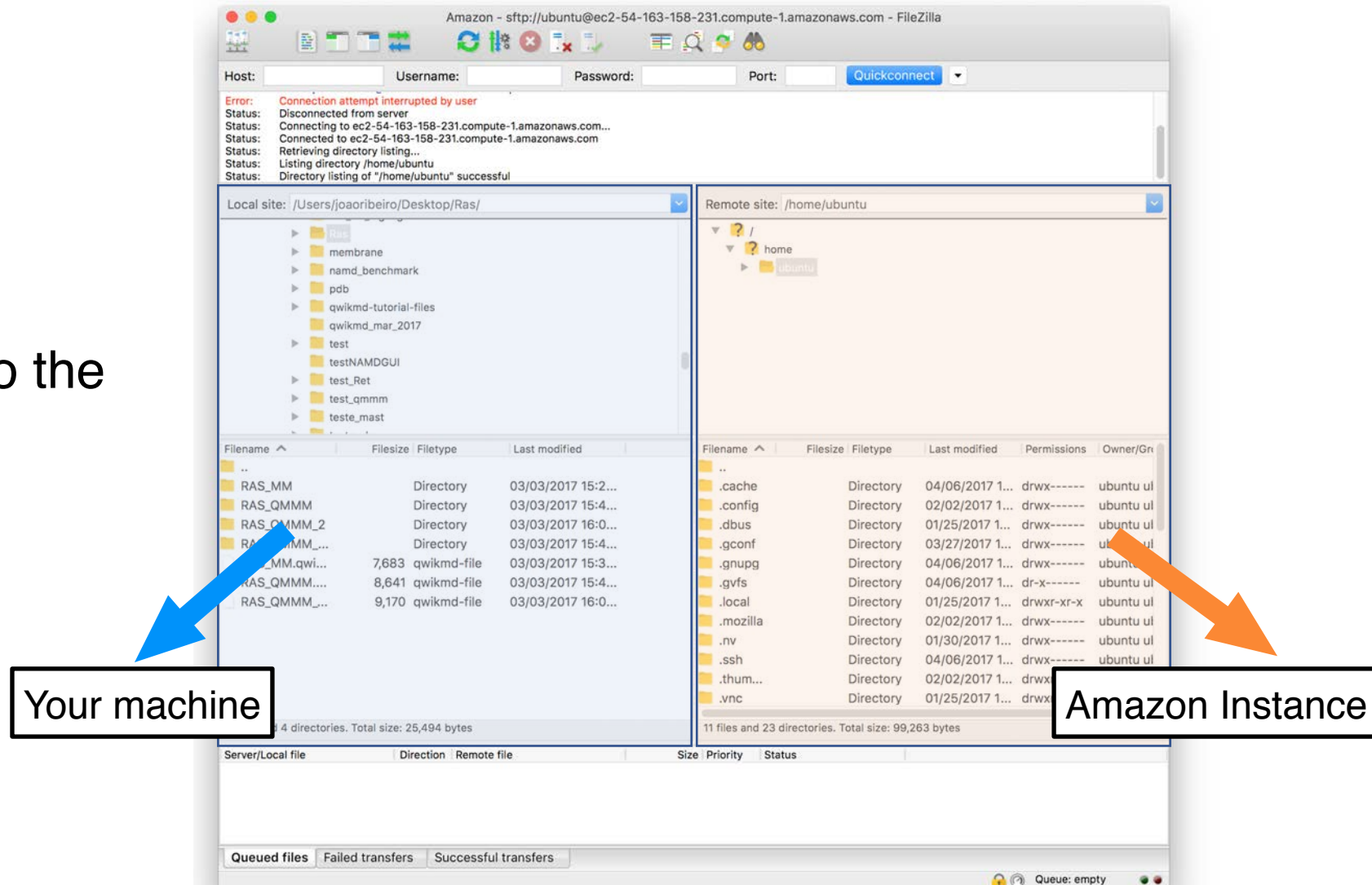
- [FileZilla](https://filezilla-project.org/) (Mac/Windows/Linux)
 - <https://filezilla-project.org/>
- Edit (Preferences) > Settings > Connection > SFTP, Click "Add key file"
 - Add the *.pem file created before
 - Press Ok
- File > Site Manager
 - Host: Public DNS
 - Protocol: SFTP
 - Logon Type: Ask for password
 - User: ubuntu
 - Password:<empty>



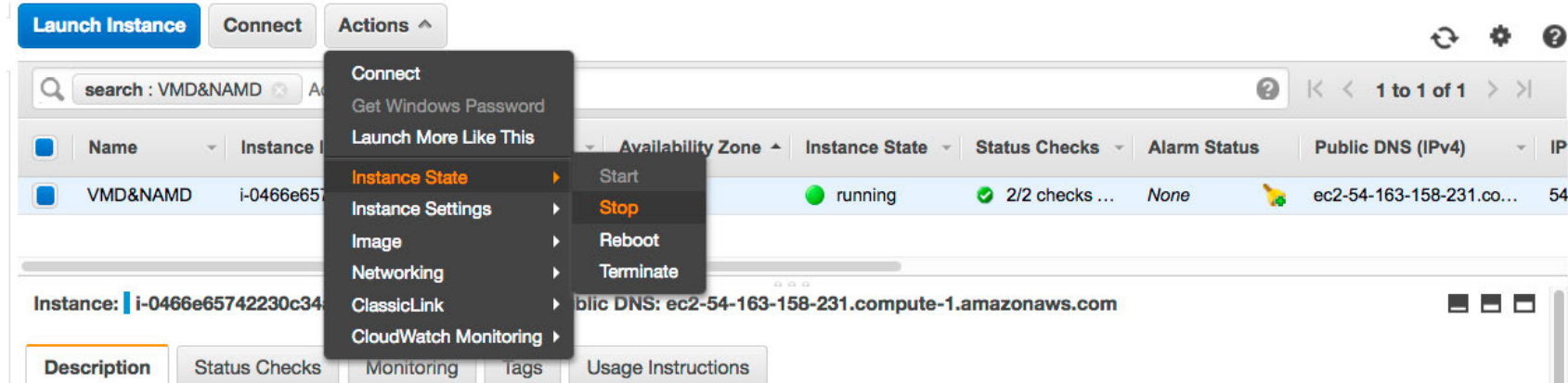
Transfer Files to and from a Running Instance

To Transfer files:

- Drag & Drop files and folders from one side to the other



Stop and Terminate an Instance



Instance console:

- Actions > Instance State:

- Stop

- The same effect as shutting down a workstation.
 - No data is lost.
 - Storage charges

- Terminate

- Completely delete the instance.
 - All data is lost.
 - No storage charges

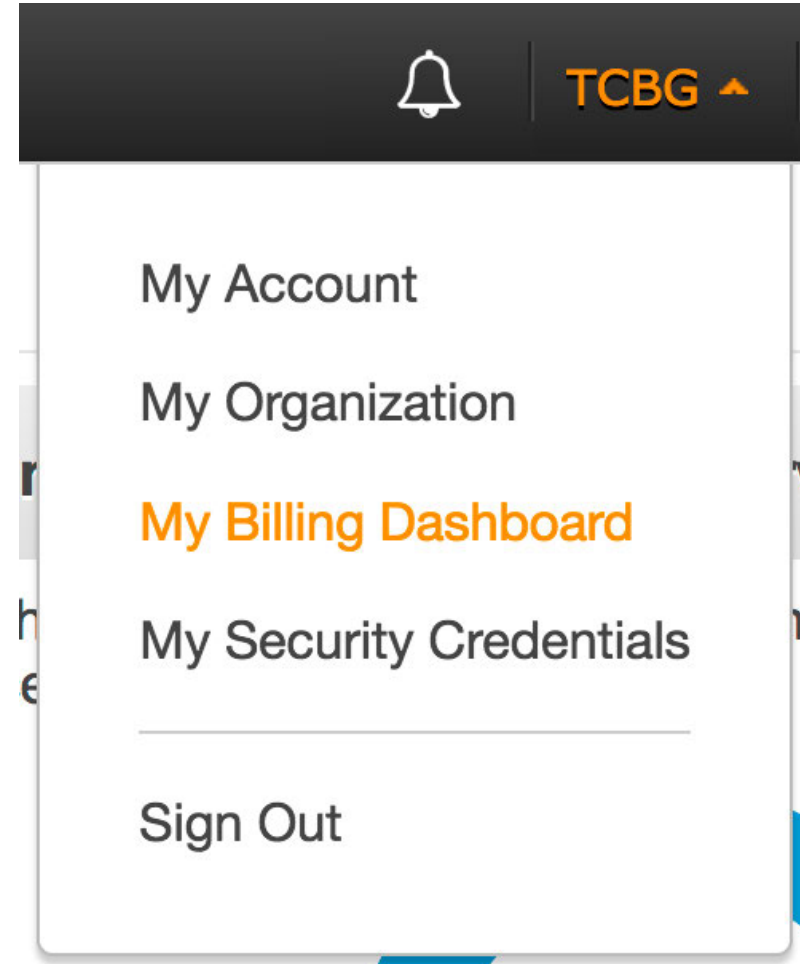
Define my Billing Notifications

Budgets:

- Track costs with AWS use
- Send notifications when the bill is approaching the limit defined for the Amazon Cloud:

AWS website:

- My Billing Dashboard



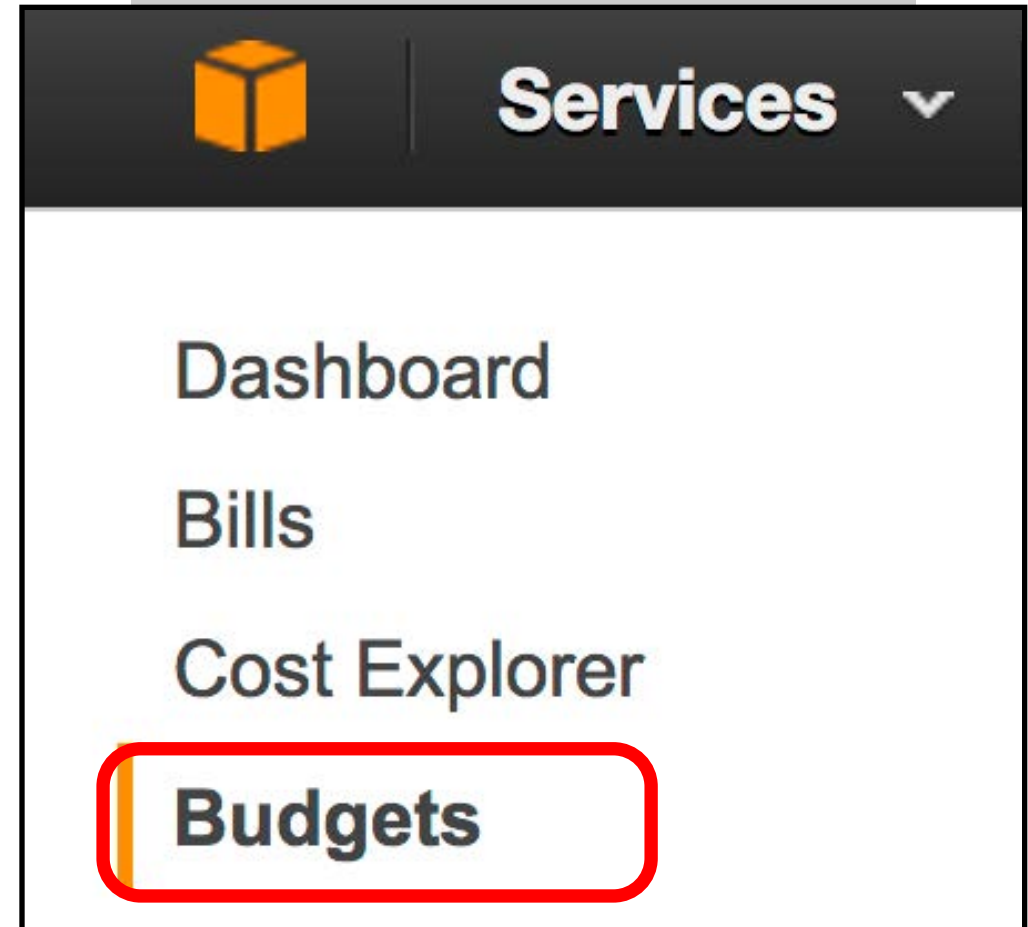
Define my Billing Notifications

Budgets:

- Track costs with AWS use
- Send notifications when the bill is approaching the limit defined for the Amazon Cloud:

AWS website:

- My Billing Dashboard
- Budgets (left side bar)



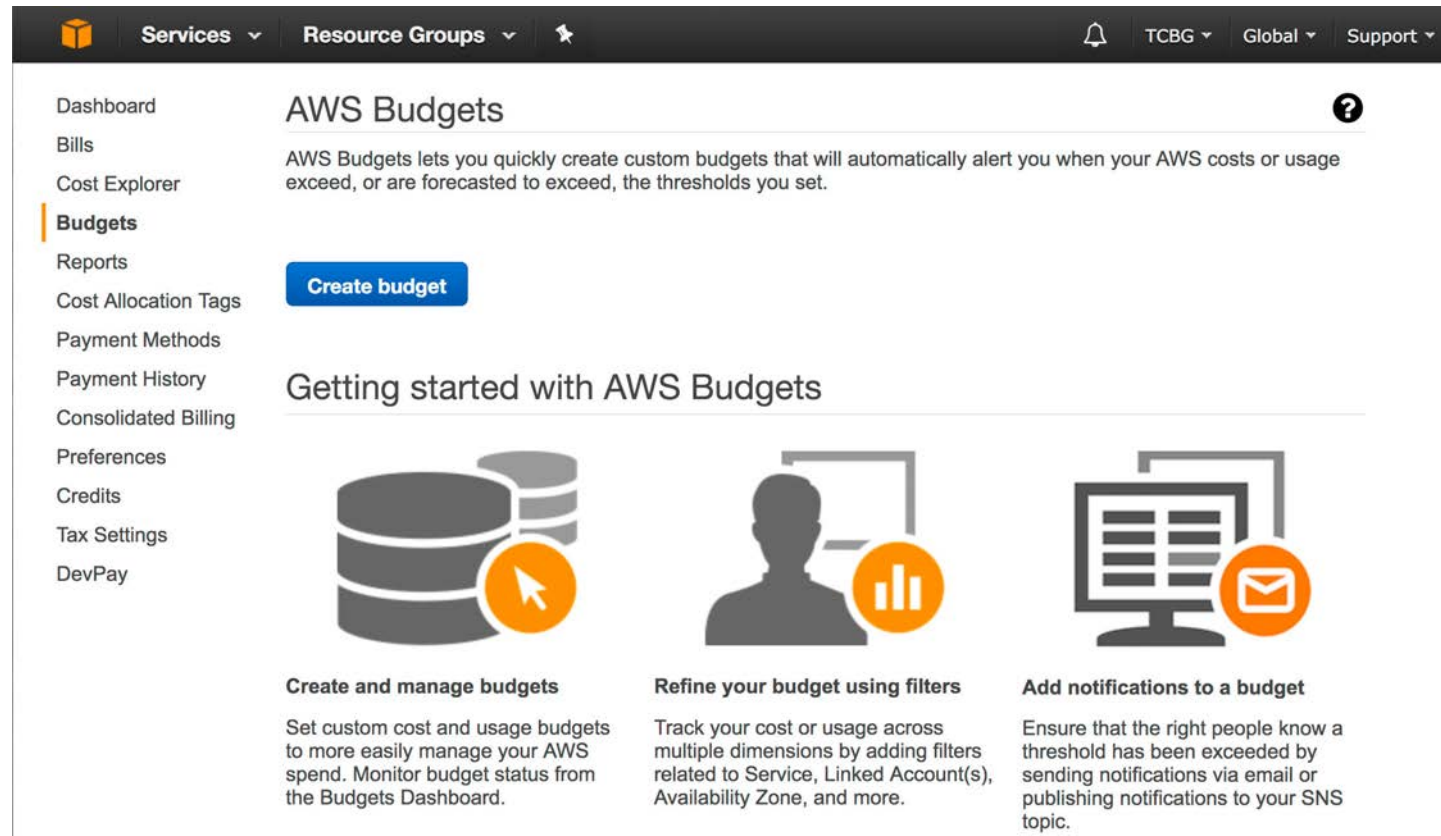
Define my Billing Notifications

Budgets:

- Track costs with AWS use
- Send notifications when the bill is approaching the limit defined for the Amazon Cloud:

AWS website:

- My Billing Dashboard
- Budgets (left side bar)



The screenshot shows the AWS Budgets console. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a search icon. On the right, there are links for 'TCBG', 'Global', and 'Support'. The left sidebar lists navigation options: Dashboard, Bills, Cost Explorer, Budgets (highlighted with an orange bar), Reports, Cost Allocation Tags, Payment Methods, Payment History, Consolidated Billing, Preferences, Credits, Tax Settings, and DevPay. The main content area is titled 'AWS Budgets' and includes a description: 'AWS Budgets lets you quickly create custom budgets that will automatically alert you when your AWS costs or usage exceed, or are forecasted to exceed, the thresholds you set.' Below this is a blue 'Create budget' button. A section titled 'Getting started with AWS Budgets' features three cards: 1) 'Create and manage budgets' with a database icon and a cursor, describing setting custom cost and usage budgets. 2) 'Refine your budget using filters' with a person icon and a bar chart, describing tracking costs across dimensions like Service and Linked Account(s). 3) 'Add notifications to a budget' with a monitor icon and an envelope, describing ensuring notifications are sent via email or SNS when thresholds are exceeded.

Dashboard

Bills

Cost Explorer

Budgets

Reports

Cost Allocation Tags

Payment Methods

Payment History

Consolidated Billing

Preferences

Credits

Tax Settings


DevPay

AWS Budgets

AWS Budgets lets you quickly create custom budgets that will automatically alert you when your AWS costs or usage exceed, or are forecasted to exceed, the thresholds you set.


[Create budget](#)

Getting started with AWS Budgets




Create and manage budgets

Set custom cost and usage budgets to more easily manage your AWS spend. Monitor budget status from the Budgets Dashboard.



Refine your budget using filters

Track your cost or usage across multiple dimensions by adding filters related to Service, Linked Account(s), Availability Zone, and more.



Add notifications to a budget

Ensure that the right people know a threshold has been exceeded by sending notifications via email or publishing notifications to your SNS topic.

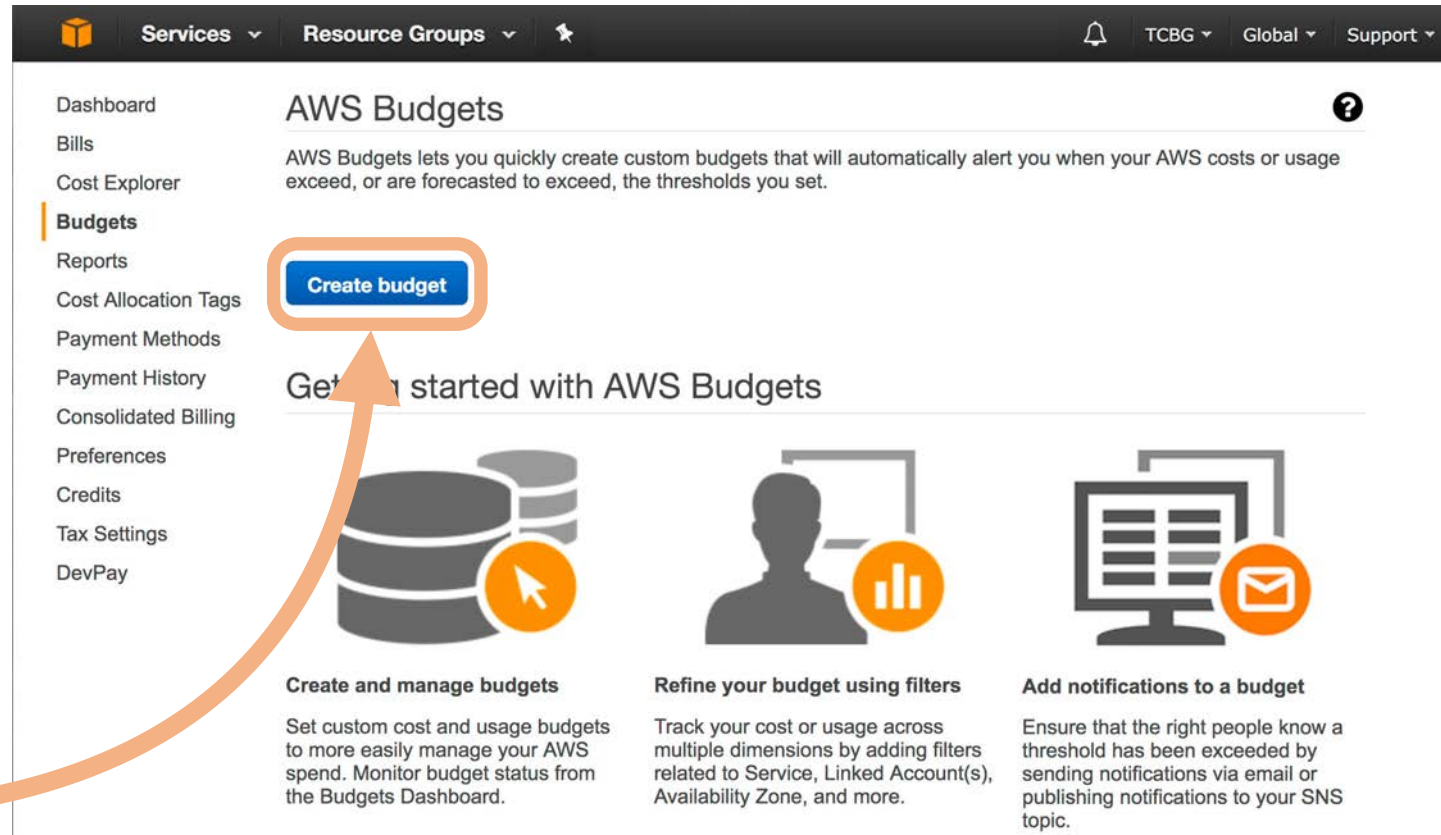
Define my Billing Notifications

Budgets:

- Track costs with AWS use
- Send notifications when the bill is approaching the limit defined for the Amazon Cloud:

AWS website:

- My Billing Dashboard
- Budgets (left side bar)
- **Create budget**



The screenshot shows the AWS Budgets console. On the left is a navigation sidebar with links: Dashboard, Bills, Cost Explorer, **Budgets** (highlighted), Reports, Cost Allocation Tags, Payment Methods, Payment History, Consolidated Billing, Preferences, Credits, Tax Settings, and DevPay. The main content area is titled 'AWS Budgets' and includes a description: 'AWS Budgets lets you quickly create custom budgets that will automatically alert you when your AWS costs or usage exceed, or are forecasted to exceed, the thresholds you set.' A blue 'Create budget' button is highlighted with an orange box. Below this is a 'Get started with AWS Budgets' section with three cards: 1. 'Create and manage budgets' (with a database icon) describing setting custom cost and usage budgets. 2. 'Refine your budget using filters' (with a person and bar chart icon) describing tracking costs across dimensions. 3. 'Add notifications to a budget' (with a monitor and envelope icon) describing ensuring notifications are sent via email or SNS. An orange arrow originates from the 'Create budget' button in the sidebar and points to the 'Create budget' button in the main content area.

Define my Billing Notifications

From Amazon's website:

Create your AWS Budget

- 1 Name your budget, specify the budgeted amount, and set the length of time the budget will be active.
- 2 Refine your budget criteria by selecting optional filters.
- 3 Send notifications via email and SNS topic when a budget threshold is reached.

Define my Billing Notifications

TCBG Urbana 2017 workshop values
used as example


Budget details:

- Name: Workshop (example)
- Start date: 04/17/2017
- End date: 04/21/2017
- Budgeted Amount: \$50


1

Budget details


Name*

e.g., "Monthly EC2 Budget" 


Select cost or usage

Cost 


Period

Monthly 

Start date

04/01/17 

End date

- 

Budgeted Amount*

1,000.00

Define my Billing Notifications

TCBG Urbana 2017 workshop values used as example

Budget details:

- Name: Workshop (example)
- Start date: 04/17/2017
- End date: 04/21/2017
- Budgeted Amount: \$50

Include costs related to:

- Linked Account
 - Select your account

2

Include costs related to

☐ Service

☐ **Linked Account**

☐ Tag

☐ Purchase Option

☐ Availability Zone

☐ API Operation

Define my Billing Notifications

TCBG Urbana 2017 workshop values used as example

Notifications:

- Notify me when: actual
- costs are: greater than
- 50% or 75%*
- Email contacts: add your email address

*allow some time to receive the email to make sure to not pass over the budget

3

Notifications (optional)

You can create a billing alarm to receive e-mail alerts when your current or forecasted AWS charges meet the threshold you choose. **Must provide at least one email contact or SNS topic ARN in order to receive notification.**

Notify me when

actual

costs are

greater than

% of

budgeted amount

Email contacts

Separate emails by comma

SNS topic ARN

Please fill in a valid SNS topic ARN

?

Verify

[SNS topic policy statement](#)

+ Add new notification

* Required

Cancel

Create

Define my Billing Notifications

TCBG Urbana 2017 workshop values used as example

Notifications:

- Notify me when: actual
- costs are: greater than
- 50% or 75%*
- Email contacts: add your email address

*allow some time to receive the email to make sure to not pass over the budget

Press Create

3

Notifications (optional)

You can create a billing alarm to receive e-mail alerts when your current or forecasted AWS charges meet the threshold you choose. **Must provide at least one email contact or SNS topic ARN in order to receive notification.**

Notify me when

actual

costs are

greater than

% of

budgeted amount

Email contacts

Separate emails by comma

SNS topic ARN

Please fill in a valid SNS topic ARN

Verify

[View SNS topic policy statement](#)

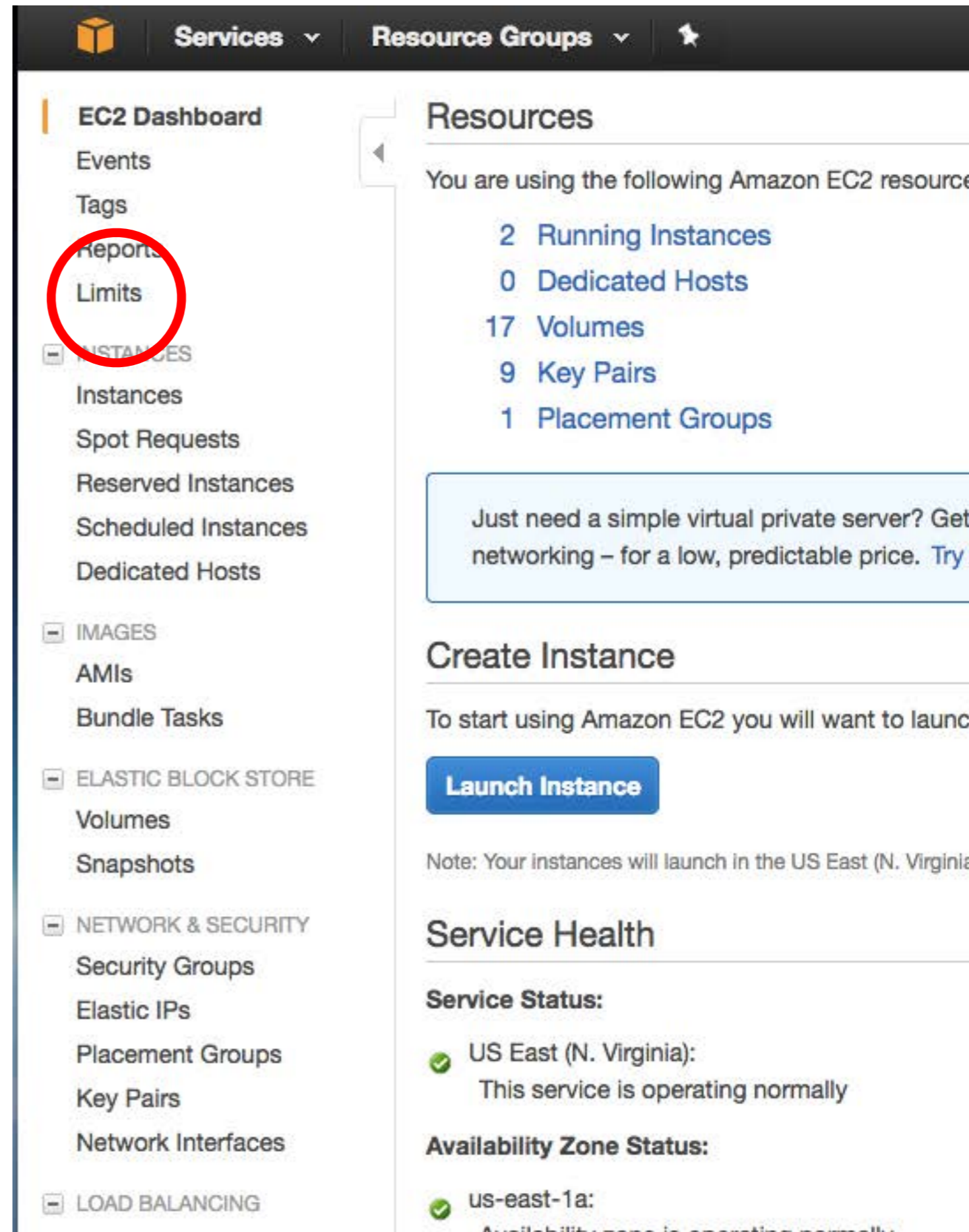
+ Add new notification

* Required

Cancel

Create

- Click on the “Limits” link on the left side of the "EC2" dashboard near the top.



The screenshot shows the Amazon EC2 console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a star icon. The left-hand navigation menu is expanded, showing categories like 'EC2 Dashboard', 'INSTANCES', 'IMAGES', 'ELASTIC BLOCK STORE', 'NETWORK & SECURITY', and 'LOAD BALANCING'. The 'Limits' link under the 'EC2 Dashboard' category is circled in red. The main content area on the right is titled 'Resources' and lists the following EC2 resources: 2 Running Instances, 0 Dedicated Hosts, 17 Volumes, 9 Key Pairs, and 1 Placement Groups. Below this list is a promotional banner for Amazon Lightsail. Further down, there is a 'Create Instance' section with a 'Launch Instance' button. At the bottom, the 'Service Health' section shows the status for 'US East (N. Virginia)' and 'us-east-1a', both of which are operating normally.

EC2 Dashboard

- Events
- Tags
- Reports
- Limits**
- INSTANCES
 - Instances
 - Spot Requests
 - Reserved Instances
 - Scheduled Instances
 - Dedicated Hosts
- IMAGES
 - AMIs
 - Bundle Tasks
- ELASTIC BLOCK STORE
 - Volumes
 - Snapshots
- NETWORK & SECURITY
 - Security Groups
 - Elastic IPs
 - Placement Groups
 - Key Pairs
 - Network Interfaces
- LOAD BALANCING

Resources

You are using the following Amazon EC2 resources:

- 2 Running Instances
- 0 Dedicated Hosts
- 17 Volumes
- 9 Key Pairs
- 1 Placement Groups

Just need a simple virtual private server? Get started with Amazon Lightsail – for a low, predictable price. [Try Lightsail](#)

Create Instance

To start using Amazon EC2 you will want to launch an instance.

[Launch Instance](#)

Note: Your instances will launch in the US East (N. Virginia) Region.

Service Health

Service Status:

- US East (N. Virginia): This service is operating normally

Availability Zone Status:

- us-east-1a: This availability zone is operating normally

- Select your preferred region (US East Northern Virginia is best if you have no other preference)
- Select “g2.2xlarge” as the Primary Instance Type
- Select “1” as the New limit value

Limit Type* EC2 Instances ▼

Request 1

| | |
|-------------------------------|--|
| Region* | US East (Northern Virginia) ▼ |
| Primary Instance Type* | g2.2xlarge ▼ |
| Limit* | Instance Limit ▼ |
| New limit value* | <input type="text" value="1"/> |

- Fill in the “Use Case Description”: I want to increase my limit on the selected instance type in order to run the VMD and NAMD AMI from the AWS Marketplace (<https://aws.amazon.com/marketplace/pp/B06VSMMHRY>).
- Select your preferred contact method and click submit

Use Case Description*

I want to increase my limit on the selected instance type in order to run the VMD and NAMD AMI from the AWS Marketplace (<https://aws.amazon.com/marketplace/pp/B06VSMMHRY>).

Support Language*

English

Please choose your preferred correspondence language for this case.

Contact method*



Web



Phone