

Algorithms for Big Data

AWS Tutorial

AWS - Concepts

- S3 – Storage system in the cloud.
- EC2 – Virtual machines.
- EMR – Elastic map reduce – Creation of clusters.

Aws Student Account creation.

- Go to <http://www.awseducate.com/>
- Click on "**Join to aws Educate**" (If the account has not been created yet)
- If the user has a student account click on "**sign in to aws educate**".

PowerPoint Apresentação 2.pptx AWS Educate

aws.amazon.com/education/awseducate/

Contact Sales Support English My Account Sign In to the Console

Products Solutions Pricing Documentation Learn Partner Network AWS Marketplace Customer Enablement Events Explore More Q

AWS Educate Home Students Educators Recruiters & Hiring Companies U.S. Veterans Cloud Degree Testimonials Media

aws educate

Your Cloud Journey Starts Here

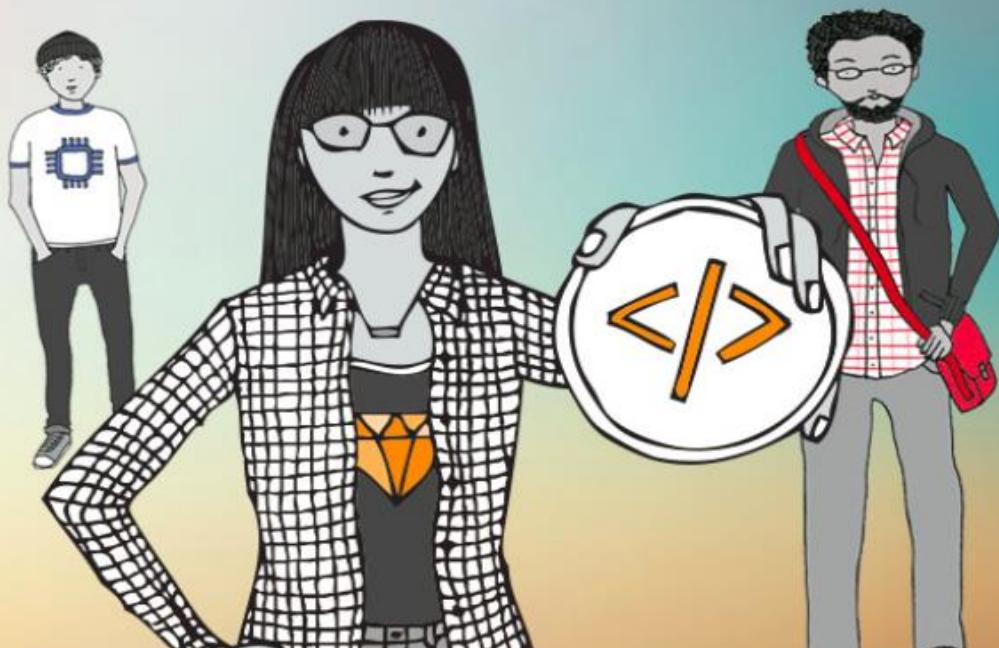
Join Amazon's global initiative to give students and educators resources for accelerating cloud learning

[Join AWS Educate](#)

[Sign in to AWS Educate](#)

Create new student account

If Log in go to page 21



We use cookies to provide and improve our services. By using our site, you consent to cookies. [Learn More](#)

PowerPoint | Apresentação 2.pptx | Grupos_ABD_19_20.xlsx | https://www.awseducate.com/ | +
awseducate.com/Registration#APP_TYPE



Apply to join AWS Educate

Step 1/3: Choose your role

Preferred Language:

English

Choose student



Student



Educator



US Veteran



Institution



Company/Recruiter



Please note that any personal information you provide will be treated in accordance with the [AWS Educate Terms and Conditions](#) and [AWS Privacy Notice](#)

AWS Educate is Amazon's program to help students learn real-world cloud technology skills before graduating. It provides students and educators with the resources needed to accelerate cloud-related learning.



Apply to join AWS Educate

Step 2/3: Tell us about yourself

Preencher os campos assinalados a vermelho.

Preferred Language:

English

ISCTE-IUL

Start typing the name of your school and select from the list. If you don't see your school, enter the full name. Example: Harvard University

Hugo

Portugal

Santos

hfpss@iscte-iul.pt

Please provide a valid, current email issued by your institution. Example: your_name@your_school.edu

10

2021

6

1991

Promo Code (optional)

[Frequently Asked Questions](#)

Please click the box below to help assure that a person and not an automated program is submitting this application. If a set of letters is displayed enter them on the line. If you have any difficulty with the letters, you can click the reload icon to get a new set of letters, or click the headphones to hear audio of what to enter.

Please note this field must be completed later than today for the account to be approved!

Não sou um robô 
reCAPTCHA
Privacidade - Termos de Utilização

PowerPoint Apresentação 2.pptx Grupos_ABD_19_20.xlsx https://www.awseducate.com/ awseducate.com/Registration#INFO-Student Preferred Language: English

ISCTE-IUL

Start typing the name of your school and select from the list. If you don't see your school, enter the full name, example: Harvard University

Hugo

Portugal

Santos

hfpss@iscte-iul.pt

Please provide a valid, current email issued by your institution. Example: your_name@your_school.edu

10

2021

6

1991

Promo Code (optional)

[Frequently Asked Questions](#)

Please click the box below to help assure that a person and not an automated program is submitting this application. If a set of letters is displayed enter them on the line. If you have any difficulty with the letters, you can click the reload icon to get a new set of letters, or click the headphones to hear audio of what to enter.



Please note that any personal information you provide will be treated in accordance with the [AWS Educate Terms and Conditions](#) and [AWS Privacy Notice](#)

NEXT

Click next



Apply to join AWS Educate

Terms & Conditions

Preferred Language:

English

Agreement will control if there is any conflict.

10.0. CONTRACTING ENTITY

Notwithstanding anything to the contrary in these Terms:

10.1 India Customers. If you are located in India, your contracting party will be Amazon Internet Services Private Limited ("AISPL"), and this Agreement is an agreement between you and AISPL, located at Ground Floor, EROS Plaza, Eros Corporate Centre, Nehru place, New Delhi, India – 110019. If you are located in India, all references to "AWS," "we," or "us" in this Agreement shall be deemed as referring to AISPL. Additionally, if you are located in India, this Agreement shall be deemed to differ from the above provisions as follows:

(a) The Amazon.com Privacy Notice defined in Section 4.1 shall be deemed to refer to the Amazon.in Privacy Notice located at <http://www.amazon.in/gp/help/customer/display.html?nodeId=200534380>; and

(b) Under Section 9.5, any notice by you to AISPL under this Agreement must be made by registered or certified mail to Amazon Internet Services Private Limited, Ground Floor, Eros Corporate Towers, Nehru Place, New Delhi - 110 019, India (not to Amazon Web Services, Inc.).

You must scroll through the entire Terms and Conditions before accepting or declining.

I Agree



I Decline



Select I Agree checkbox

SUBMIT

Click Submit



Apply to join AWS Educate

Preferred Language:

English

Thanks :)

We received your application.
Now check your email for a
message with a link to verify your
address.

Two emails will be received one for
data confirmation and one to set
new password

Responder a todos ▾ Eliminar Lixo Bloquear ...

Email Verification - AWS Educate Application

ⓘ Está a receber demasiados e-mails? [Anular a subscrição](#)

翻譯 Traduzir a mensagem para: Português | Nunca traduzir do: Inglês

AS

AWS Educate Support <support@awseducate.com>

qui, 28/11/2019 22:50

Hugo Filipe dos Santos ▾

Hello Hugo,

Thank you for submitting your AWS Educate application!

In order for your AWS Educate application to be processed, we need to verify your email address. Please use the verification URL below to confirm your email address and complete the application process.

<https://www.awseducate.com/ConfirmEmail?ref=c29bed3d1548cffd675f49990bfeb6c7>

Thank you,

The AWS Educate Team

Data confirmation email



Apply to join AWS Educate

Registration Already Confirmed

Preferred Language:

English

You have already confirmed your email
address. Thank you!

Data confirmation page ok

Responder a todos ▾ Eliminar Lixo Bloquear ...

AWS Educate Application Approved

ⓘ Está a receber demasiados e-mails? [Anular a subscrição](#)

ⓘ Traduzir a mensagem para: Português | Nunca traduzir do: Inglês

AS AWS Educate Support <support@awseducate.com>

qui, 28/11/2019 22:55

Hugo Filipe dos Santos

Dear Hugo,

Congratulations!

Your AWS Educate application has been approved. As a member of the AWS Educate program, you will gain access to the benefits listed below:

AWS Educate Student Portal

The AWS Educate Student Portal is the hub for AWS Educate students around the world to find AWS content to help with classwork, connect to self-paced labs and training resources.

[Click here](#) to set your password and log in to the AWS Educate Student Portal. After logging in, click AWS Account at the top of the page to choose how you would like to access AWS services.

Bookmark the AWS Educate Student Portal for easy access, or [click here](#) to sign in directly.

You can access a video walk-through of the AWS Educate Student portal [here](#).

Free AWS Essentials Training

To access our foundational AWS Cloud Practitioner Essentials online learning class for free and find other self-paced labs, you must have either an AWS account or an Amazon ID.

- If you have an AWS account, sign in and [click here](#) to receive these benefits.
- If you do not have an AWS account, [click here](#) and follow the instructions to create an Amazon ID to access these benefits.

Once you access the Training and Certification portal, click "Learning Library" and search for "AWS Cloud Practitioner Essentials" to easily locate and enroll in AWS Cloud Practitioner Essentials on-line training. You can access AWS training any time after setting up your account by clicking [here](#).

Thank you again for participating in AWS Educate and we hope you enjoy the program!

Good luck with your continued studies,

The AWS Educate Team

If all works fine, you should
receive this email to set the
password.



aws[®] educate

Welcome to the AWS Educate Community

Definir sua senha

Sua credencial de login hfpss@iscte-iul.pt

Nova senha **Set the password**

Verificar nova senha

Definir senha

A senha inserida aqui será usada para acessar a comunidade da AWS Educate. É sempre mais seguro não usar a mesma senha utilizada em outros sites.

Verifique se sua senha atende aos seguintes requisitos:

- i. A senha deve ter pelo menos 8 caracteres
- ii. A senha deve conter pelo menos uma letra minúscula
- iii. A senha deve conter pelo menos um número
- iv. A senha não pode ser igual a ou conter seu nome de usuário
- v. A senha deve conter pelo menos um dos seguintes caracteres: ! # \$ % - _ = + < >

PowerPoint Apresentação 2.pptx Grupos_ABD_19_20... https://www.awsedu... https://www.awsedu... Correio – Hugo Filipe Home awseducate.com/student/s/ ABD 6

awseducate

Hugo Santos Consecutive Days: 1 Pathways Completed: 0 Badges Earned: 0 AWS Account Logout Preferred Language: English

Cloud technology is everywhere, creating over 18 million cloud jobs worldwide (source: Wanted Analytics). AWS Educate introduces you to lucrative cloud-enabled careers through more than 25 learning pathways, each with content from industry professionals, learning activities and labs, opportunities to earn AWS Educate Badges and Certificates of Completion, and access to the AWS Educate Job Board. Coupled with courses at your school or through online providers, AWS Educate puts you on the pathway to your dream job in the clouds.

Begin your journey today!

Click here

aws Your Journey to a Cloud Career YOUR JOURNEY TO A CLOUD CAREER WITH AWS EDUCATE

Profile to Help You Find a !

Access AWS Services

Use a personal AWS Account →

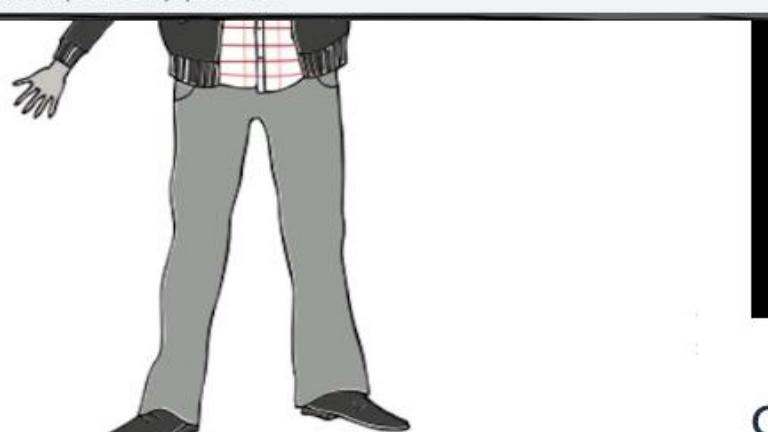
Use an AWS Educate Starter Account →

0:00 / 3:07

Which option is right for me?

Learn More →

The screenshot shows the AWS Educate student dashboard. At the top, there's a navigation bar with links for Portfolio, Career Pathways, Badges, Jobs, AWS Account (which is highlighted with a red box), and Logout. Below the navigation is a user profile section for 'Hugo Santos' featuring a graduation cap icon. It displays 'Consecutive Days: 1', 'Pathways Completed: 0', and 'Badges Earned: 0'. To the right is a language preference dropdown set to 'English'. A large red box highlights the 'AWS Account' link and the 'Click here' button below it. The main content area includes a video player showing a cartoon character and the text 'Your Journey to a Cloud Career'. Below the video are four small icons representing different career paths: a person in a suit, a laptop with a chart, a hand pointing at a gear, and a person holding a circular badge with '</>'. To the right, there's a section titled 'Access AWS Services' with two options: 'Use a personal AWS Account' and 'Use an AWS Educate Starter Account', each with a corresponding link. At the bottom right is a video player showing a timestamp of 0:00 / 3:07. A question 'Which option is right for me?' and a 'Learn More' link are also present.



awseducate.com/student/s/awssite

0:00 / 3:07

Choose an option to get started!

I would like to use a personal AWS Account

I would like to use an AWS Educate Starter Account

Choose an AWS Educate Starter Account to receive access to an AWS account with a preset limit on your spend on AWS services. An AWS Educate Starter Account is run and managed by a third party (Vocareum, Inc.) and the Starter Account runs in Vocareum's environment on AWS. Starter Accounts are subject to a separate agreement between you and Vocareum under separate terms and conditions.

The AWS Educate Starter Account provides access to most but not all AWS services. Students at an AWS Educate member institutions will receive up to \$100 (USD) of AWS credit per year in their AWS Educate Starter Account, and students at non-member institutions will receive up to \$30 (USD) of AWS credit per year.

You don't need a credit card to use a Starter Account because AWS promotional credits are already available in the account. When your usage of AWS services exceeds the balance on the account, the account is closed and any running services or other resources on the account are lost.

Select Aws Educate starter Account



I'd like to use an AWS Educate Starter Account

Choose an AWS Educate Starter Account to get access to an AWS account with a preset limit on your spend on AWS services. An AWS Educate Starter Account is run and managed by a third party (Vocareum, Inc.) and the Starter Account runs in Vocareum's environment on AWS. Starter Accounts are subject to a separate agreement between you and Vocareum under separate terms and conditions.

The AWS Educate Starter Account provides access to most but not all AWS services. Students at an AWS Educate member institution will receive up to \$100 (USD) of AWS credit per year in their AWS Educate Starter Account, and students at non-member institution will receive up to \$30 (USD) of AWS credit per year.

You don't need a credit card to use a Starter Account because AWS promotional credits are already available in the account. When your usage of AWS services exceeds the balance on the account, the account is closed and any running services or other resources on the account are lost.

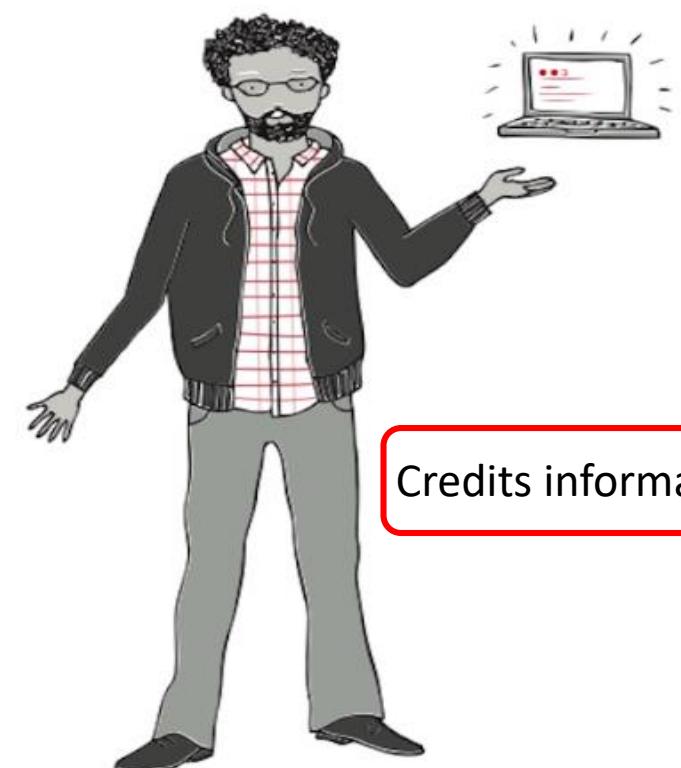
[Create Starter Account](#)

or choose another option

Click "Create Starter Account"



Portfolio Career Pathways Badges Jobs AWS Account Logout



AWS Educate Starter Account

Your cloud journey has only just begun. Use your AWS Educate Starter Account to access the AWS Console and resources, and start building in the cloud!

[AWS Educate Starter Account](#)

Click "AWS Educate Starter Account"

Credits information

Your account has an estimated **100** credits remaining and access will end on **Nov 27, 2020**.

Note: Clicking this button will take you to a third party site managed by Vocareum, Inc. ("Third Party Servicer"). In addition to the AWS Educate terms of service, your use of the AWS Educate Starter Account is governed by the Third Party Servicer's terms, including its Privacy Policy. AWS assumes no responsibility or liability and makes no representations or warranties regarding services provided by a Third Party Servicer.



Please read the terms and conditions shown below and click on the "I agree" button at the bottom of this page to continue.

Terms and Conditions

Welcome to the Vocareum, Inc. ("Vocareum") website located at www.vocareum.com (the "Site"). Please read these Terms of Service (the "Terms") and our Privacy Policy (<http://www.vocareum.com/privacy-policy/>) carefully because they govern your use of our Site and our web-based education and learning platform. To make these Terms easier to read, the Site and our platform are collectively called the "Services."

Using the functionality of our Services, teachers can create, customize and administer educational courses and invite students to participate in a class taught and supervised by the teacher using the online tools provided by Vocareum. Subject to your compliance with these Terms, Vocareum will make the Services available to you solely for the purpose of your internal, non-commercial use.

Terms and conditions
scroll down

1. Agreement to Terms

By using our Services, you agree to be bound by these Terms. If you don't agree to these Terms, do not use the Services. If you are accessing and using the Services on behalf of an educational institution (such as your employer or the educational institution in which you are enrolled) or other legal entity, you represent and warrant that you have the authority to bind that educational institution or other legal entity to these Terms. In that case, "you" and "your" will refer to that educational institution or other legal entity

2. Changes to Terms or Services

We may modify the Terms at any time, in our sole discretion. If we do so, we'll let you know either by posting the modified Terms on the Site or through other communications. The effective date of the modified Terms will be indicated in the modified Terms and any such other communications. It's important that you review the Terms whenever we modify them because if you continue to use the Services after we have posted modified Terms on the Site or otherwise communicated with you about the modified Terms, you are indicating to us that you agree to be bound by the modified Terms. If you don't agree to be bound by the modified Terms, then you may no longer use the Services. Because our Services are evolving over time we may change or discontinue all or any part of the Services, at any time and without notice to you, at our sole discretion

3. Who May Use the Services

Eligibility

Changes

Notwithstanding the provisions of the "Changes to Terms or Services" section above, if Vocareum changes this "Dispute Resolution" section after the date you first accepted these Terms (or accepted any subsequent changes to these Terms), you may reject any such change by sending us written notice (including by email to www.Vocareum.com) within 30 days of the date such change became effective, as indicated in the "Last Updated" date above or in the date of Vocareum's email to you notifying you of such change. By rejecting any change, you are agreeing that you will arbitrate any Dispute between you and Vocareum in accordance with the provisions of this "Dispute Resolution" section as of the date you first accepted these Terms (or accepted any subsequent changes to these Terms).

16. General Terms

These Terms constitute the entire and exclusive understanding and agreement between Vocareum and you regarding the Services and Content, and these Terms supersede and replace any and all prior oral or written understandings or agreements between Vocareum and you regarding the Services and Content. If any provision of these Terms is held invalid or unenforceable (either by an arbitrator appointed pursuant to the terms of the "Arbitration" section above or by court of competent jurisdiction, if you opt out of arbitration by sending us an Arbitration Opt-out Notice in accordance with the terms set forth above), that provision will be enforced to the maximum extent permissible and the other provisions of these Terms will remain in full force and effect.

You may not assign or transfer these Terms, by operation of law or otherwise, without Vocareum's prior written consent. Any attempt by you to assign or transfer these Terms, without such consent, will be null. Vocareum may freely assign or transfer these Terms without restriction. Subject to the foregoing, these Terms will bind and inure to the benefit of the parties, their successors and permitted assigns.

Any notices or other communications provided by Vocareum under these Terms, including those regarding modifications to these Terms, will be given: (i) via email; or (ii) by posting to the Services. For notices made by e-mail, the date of receipt will be deemed the date on which such notice is transmitted.

Vocareum's failure to enforce any right or provision of these Terms will not be considered a waiver of such right or provision. The waiver of any such right or provision will be effective only if in writing and signed by a duly authorized representative of Vocareum. Except as expressly set forth in these Terms, the exercise by either party of any of its remedies under these Terms will be without prejudice to its other remedies under these Terms or otherwise.

Contact Information

If you have any questions about these Terms or the Services, please contact Vocareum at info@vocareum.com

I Agree

Click "I Agree"

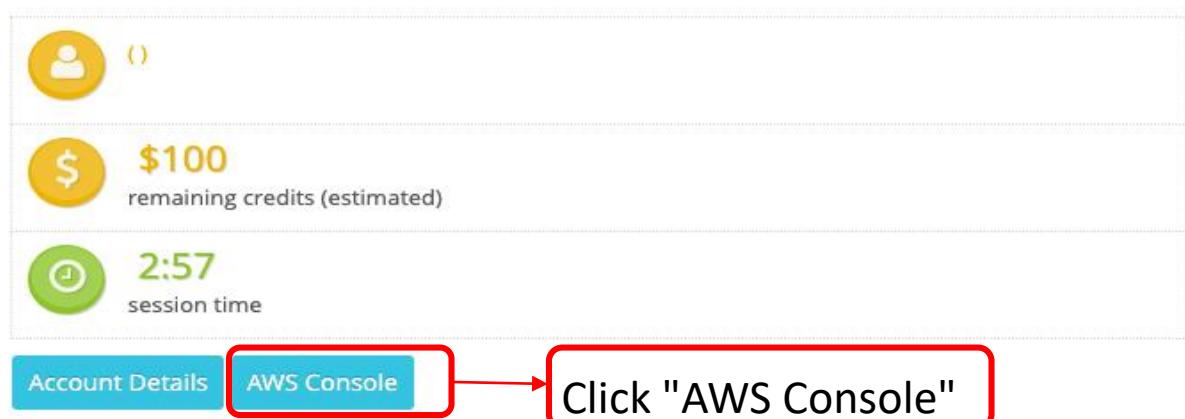
Welcome to your AWS Educate Account

AWS Educate provides you with access to a wide variety of AWS Services for you to get your hands on and build on AWS! To get started, click on the AWS Console button to log in to your AWS console.

Please read the FAQ below to help you get started on your Starter Account.

- [What are the list of services supported?](#)
- [What regions are supported with Starter Accounts or Classroom Accounts?](#)
- [I can't start any resources. What happened?](#)
- [Can I create users within my Starter or Classroom Account for others to access?](#)
- [Can I create my own IAM policy within Starter Account or Classroom?](#)
- [Can I use marketplace software with my Starter Account or Classrooms?](#)
- [Are there any restrictions on AWS services in my AWS Educate Account?](#)
- [Are FPGA Instances Supported?](#)

Your AWS Account Status



Please use AWS Educate Account responsibly. Remember to shut down your instances when not in use to make the best use of your credits. And, don't forget to logout once you are done with your work!

PowerPoint | Apresentação | Grupos_ABD_ | https://www.e | https://www.e | Correio - Hug | AWS Account | Workbench | AWS Manager | +

console.aws.amazon.com/console/home?region=us-east-1#

aws Services Resource Groups ⚡

vocstartsoft/user537958=hfpss... N. Virginia Support

AWS Management Console

AWS services

Find Services
You can enter names, keywords or acronyms.

Search for services here

Services used S3, EC2,EMR

Recently visited services

- Billing
- EC2
- VPC
- S3

All services

Build a solution

Get started with simple wizards and automated workflows.

Launch a virtual machine
With EC2
2-3 minutes

Build a web app
With Elastic Beanstalk
6 minutes

Build using virtual servers
With Lightsail
1-2 minutes

Access resources on the go

Access the Management Console using the AWS Console Mobile App.

[Learn more](#)

Explore AWS

AWS IQ

Complete your AWS projects faster with help from AWS Certified third-party experts.

[Get started](#)

AWS Security Hub

Centrally view and manage security alerts and automate compliance checks.

[Learn more](#)

Amazon RDS

Set up, operate, and scale your relational database in the cloud.

[Learn more](#)

Stream Live re:Invent Keynotes and

PowerPoint | Apresentação | Grupos_ABD_ | https://www.e | https://www.e | Correio - Hug | AWS Account | Workbench | AWS Manager | +

console.aws.amazon.com/console/home?region=us-east-1#

aws Services Resource Groups

vocstartsoft/user537958=hfpss... N. Virginia Support

AWS Management Console

AWS services

Find Services
You can enter names, keywords or acronyms.

X

S3
Scalable Storage in the Cloud

S3 Glacier
Archive Storage in the Cloud

AWS Transfer for SFTP
Fully-managed SFTP service for Amazon S3

Athena
Query Data in S3 using SQL

Snowball
Large Scale Data Transport

Amazon Transcribe
Powerful Speech Recognition

Build a solution
Get started with simple wizards and automated workflows.

Launch a virtual machine
With EC2
2-3 minutes

Build a web app
With Elastic Beanstalk
6 minutes

Build using virtual servers
With Lightsail
1-2 minutes

Search for s3 and click on S3

Access resources on the go

 Access the Management Console using the AWS Console Mobile App.
[Learn more](#)

Explore AWS

AWS IQ
Complete your AWS projects faster with help from AWS Certified third-party experts.
[Get started](#)

AWS Security Hub
Centrally view and manage security alerts and automate compliance checks. [Learn more](#)

Amazon RDS
Set up, operate, and scale your relational database in the cloud. [Learn more](#)

Stream Live re:Invent Keynotes and

PowerPoint Apresentação Grupos_ABD https://www.a https://www.a Correio – Hug AWS Account Workbench S3 Managem

console.aws.amazon.com/s3/home?region=us-east-1

aws Services Resource Groups

Amazon S3

Amazon S3's newest storage class S3 Intelligent-Tiering auto-tiers your data to deliver cost savings. [Learn more »](#)

S3 buckets **S3 Page**

Search for buckets All access types

+ Create bucket Edit public access settings Empty Delete 0 Buckets 0 Regions

Click "Create bucket"

You do not have any buckets. Here is how to get started with Amazon S3.

 Create a new bucket

Buckets are globally unique containers for everything that you store in Amazon S3.

[Learn more](#)

 Upload your data

After you create a bucket, you can upload your objects (for example, your photo or video files).

[Learn more](#)

 Set up your permissions

By default, the permissions on an object are private, but you can set up access control policies to grant permissions to others.

[Learn more](#)

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

PowerPoint | Apresentação | Grupos_ABD_ | https://www.a | https://www.a | Correio – Hug | AWS Account | Workbench | S3 Manage...

console.aws.amazon.com/s3/home?region=us-east-1

aws Services Resource Groups

Amazon S3

Buckets Batch operations Block public access (account settings) Feature spotlight 2

Create bucket

① Name and region ② Configure options ③ Set permissions ④ Review

Name and region

Bucket name Bucket name this buket works like a hard drive in disk to storage.
Enter DNS-compliant bucket name

Region Leave as it is. Basicaly this is where the machines are located.
US East (N. Virginia)

Copy settings from an existing bucket
You have no buckets 0 Buckets

Create Cancel Next

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

PowerPoint Apresentação Grupos_ABD https://www.a https://www.a Correio - Hug AWS Account Workbench S3 Management

console.aws.amazon.com/s3/home?region=us-east-1

aws Services Resource Groups

Amazon S3

Buckets Batch operations Block public access (account settings) Feature spotlight 2

Create bucket

1 Name and region 2 Configure options 3 Set permissions 4 Review

Name and region

Bucket name I name it "my-test-bucket-hfps" hfps -> Initial name letters
my-test-bucket-hfps

Region US East (N. Virginia)

Copy settings from an existing bucket
You have no buckets 0 Buckets

Create Click "Create" after putting a new name.

Cancel Next

Feedback English (US)

© 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

PowerPoint Apresentação Grupos_ABD https://www. https://www. Correio - Hugo AWS Account Workbench S3 Management

console.aws.amazon.com/s3/home?region=us-east-1

AWS Services Resource Groups

Amazon S3

Amazon S3's newest storage class S3 Intelligent-Tiering auto-tiers your data to deliver cost savings. [Learn more »](#)

Buckets Batch operations Block public access (account settings) Feature spotlight 2

S3 buckets

Discover the console

Search for buckets All access types

+ Create bucket Edit public access settings Empty Delete 1 Buckets 1 Regions

Bucket name	Access	Region	Date created
my-test-bucket-hfps	Bucket and objects not public	US East (N. Virginia)	Nov 28, 2019 11:04:21 PM GMT+0000

Click on my-test-bucket-hfps

PowerPoint | Apresentação | Grupos_ABD_ | https://www.e | https://www.e | Correio - Hug | AWS Account | Workbench | S3 Management | +

console.aws.amazon.com/s3/buckets/my-test-bucket-hfps/?region=us-east-1&tab=overview

AWS Services Resource Groups

Amazon S3 > my-test-bucket-hfps

Overview Properties Permissions Management

Type a prefix and press Enter to search. Press ESC to clear.

Upload Create folder Download Actions US East (N. Virginia) Click here

Name Last modified Size Storage class

logging

Give it a name "logging" this is where we will put our cluster logs

When you create a folder, S3 console creates an object with the above name appended by suffix "/" and that object is displayed as a folder in the S3 console. Choose the encryption setting for the object:

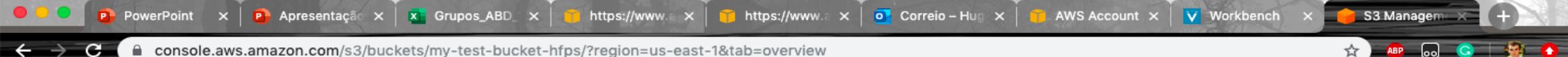
None (Use bucket settings) Select none to encryption

AES-256 Use Server-Side Encryption with Amazon S3-Managed Keys (SSE-S3)

AWS-KMS Use Server-Side Encryption with AWS KMS-Managed Keys (SSE-KMS)

Save Cancel Click "Save"

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use



console.aws.amazon.com/s3/buckets/my-test-bucket-hfps/?region=us-east-1&tab=overview

AWS Services Resource Groups

Amazon S3 > my-test-bucket-hfps

Overview Properties Permissions Management

Type a prefix and press Enter to search. Press ESC to clear.

Upload Create folder Download Actions

US East (N. Virginia)

Name	Last modified	Size	Storage class
logging	--	--	--

Folder created

Viewing 1 to 1

Viewing 1 to 1

PowerPoint | Apresentação | Grupos_ABD_ | https://www.e | https://www.e | Correio - Hug | AWS Account | Workbench | S3 Managem | +

console.aws.amazon.com/s3/buckets/my-test-bucket-hfps/?region=us-east-1&tab=overview

aws Services Resource Groups

History

Search for ec2. And click on it. We will create a key pair for accessing on cluster machines

Group A-Z

S3

Console Home

Billing

EMR

EC2

VPC

ec2

EC2 Virtual Servers in the Cloud

ECS Run and Manage Docker Containers

EFS Managed File Storage for EC2

GuardDuty Intelligent Threat Detection to Protect Your AWS Accounts and Workloads

Elastic Beanstalk

Serverless Application Repository

Satellite Ground Station

Storage

S3

EFS

FSx

S3 Glacier

Storage Gateway

AWS Backup

Management & Governance

AWS Organizations

CloudWatch

AWS Auto Scaling

CloudFormation

CloudTrail

Config

OpsWorks

Service Catalog

Systems Manager

Trusted Advisor

Control Tower

Data Pipeline

AWS Data Exchange

AWS Glue

AWS Lake Formation

MSK

AppStream 2.0

WorkDocs

WorkLink

Internet Of Things

IoT Core

Amazon FreeRTOS

IoT 1-Click

IoT Analytics

IoT Device Defender

IoT Device Management

IoT Events

IoT Greengrass

IoT SiteWise

IoT Things Graph

Security, Identity, & Compliance

IAM

Resource Access Manager

Cognito

Secrets Manager

GuardDuty

Inspector

Amazon Macie

AWS Single Sign-On

Certificate Manager

Key Management Service

© 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

PowerPoint Apresentação Grupos_ABD_ https://www.a https://www.a Correio - Hug AWS Account Workbench EC2 Manager

console.aws.amazon.com/ec2/home?region=us-east-1#Home:

New EC2 Experience Learn more

EC2 Dashboard New

- Events
- Tags
- Reports
- Limits

INSTANCES

- Instances
- Instance Types
- Launch Templates New
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Scheduled Instances
- Capacity Reservations

IMAGES

- AMIs
- Bundle Tasks

ELASTIC BLOCK STORE

- Volumes
- Snapshots
- Lifecycle Manager

NETWORK & SECURITY

- Security Groups
- Elastic IP

Services Resource Groups

Welcome to the new EC2 console!
We're redesigning the EC2 console to make it easier to use and improve performance. We'll release new screens periodically. We encourage you to try them and let us know where we can make improvements. To switch between the old console and the new console, use the New EC2 Experience toggle.

EC2

Resources

You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:

Running instances	0	Elastic IPs	0
Dedicated Hosts	0	Snapshots	0
Volumes	0	Load balancers	0
Key pairs	0	Security groups	1
Placement groups	0		

Click on Key-Pairs

Explore AWS

Easily launch third-party AMI products
AWS Marketplace has thousands of third-party AMI products that you can find, buy, and deploy with 1-click using the Amazon EC2 console [Learn more](#)

PowerPoint Apresentação Grupos_ABD https://www.a https://www.a Correio - Hug AWS Account Workbench Key pairs | EC

console.aws.amazon.com/ec2/home?region=us-east-1#KeyPairs:sort=keyName

AWS Services Resource Groups

New EC2 Experience Learn more

EC2 Dashboard New Events Tags Reports Limits

INSTANCES Instances Instance Types Launch Templates New Spot Requests Savings Plans Reserved Instances Dedicated Hosts Scheduled Instances Capacity Reservations

IMAGES AMIs Bundle Tasks

ELASTIC BLOCK STORE Volumes Snapshots Lifecycle Manager

NETWORK & SECURITY Security Groups

Create Key Pair Import Key Pair Delete Filter by attributes or search by keyword None found

Click on "Create key pair"

You do not have any Key Pairs in this region.

Click the "Create Key Pair" button to create your first Key Pair.

Create Key Pair

Select a key pair

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

PowerPoint | Apresentação | Grupos_ABD_ | https://www. | https://www. | Correio - Hugo | AWS Account | Workbench | Key pairs | E... | +

console.aws.amazon.com/ec2/home?region=us-east-1#KeyPairs:sort=keyName

AWS Services Resource Groups

New EC2 Experience Learn more

EC2 Dashboard New

Events

Tags

Reports

Limits

INSTANCES

- Instances
- Instance Types
- Launch Templates New
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Scheduled Instances
- Capacity Reservations

IMAGES

- AMIs
- Bundle Tasks

ELASTIC BLOCK STORE

- Volumes
- Snapshots
- Lifecycle Manager

NETWORK & SECURITY

- Security Groups

Create Key Pair Import Key Pair Delete

Filter by attributes or search by keyword

You do not have any Key Pairs in this region.

Click the "Create Key Pair" button to create your first Key Pair.

Create Key Pair

Key pair name: emr-cluster

Give it a name and click Create

Cancel Create

Select a key pair

Feedback English (US)

© 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

PowerPoint | Apresentação | Grupos_ABD | https://www.a | https://www.a | Correio - Hug | AWS Account | Workbench | Key pairs | EC | +

console.aws.amazon.com/ec2/home?region=us-east-1#KeyPairs:sort=keyName

New EC2 Experience [Learn more](#)

Services Resource Groups

Create Key Pair Import Key Pair Delete

EC2 Dashboard [New](#)

Events

Tags

Reports

Limits

INSTANCES

Instances

Instance Types

Launch Templates [New](#)

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Scheduled Instances

Capacity Reservations

IMAGES

AMIs

Bundle Tasks

ELASTIC BLOCK STORE

Volumes

Snapshots

Lifecycle Manager

Feedback English (US)

Key pair name emr-cluster

Fingerprint b4:11:0b:37:88:28:a3:f0:f4:7c:35:f9:02:dc:c4:22:9b:5e:8b:1b

Key pair created

Key Pair: emr-cluster

Key pair name emr-cluster

Fingerprint b4:11:0b:37:88:28:a3:f0:f4:7c:35:f9:02:dc:c4:22:9b:5e:8b:1b

Feedback English (US)

© 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Privacy Policy Terms of Use

emr-cluster.pem

Mostrar todas

PowerPoint | Apresentação | Grupos_ABD | https://www.a | https://www.a | Correio - Hug | AWS Account | Workbench | Key pairs | EC

console.aws.amazon.com/ec2/home?region=us-east-1#KeyPairs:sort=keyName

AWS Services Resource Groups

History

Search for EMR. And click on it. We will create our cluster

Group A-Z

EMR Managed Hadoop Framework

EC2 AWS IQ Support Athena Alexa for Business

Lightsail AWS Support EMR Amazon Chime

ECR Managed Services CloudSearch WorkMail

ECS

EKS

Lambda Blockchain QuickSight End User Computing

Batch Amazon Managed Blockchain Data Pipeline WorkSpaces

Elastic Beanstalk AWS Data Exchange AppStream 2.0

Serverless Application Repository Satellite AWS Glue WorkDocs

Satellite Ground Station AWS Lake Formation WorkLink

MSK

Storage S3 Management & Governance Security, Identity, & Compliance Internet Of Things

EFS AWS Organizations IAM IoT Core

FSx CloudWatch Resource Access Manager Amazon FreeRTOS

S3 Glacier AWS Auto Scaling Cognito IoT 1-Click

Storage Gateway CloudFormation Secrets Manager IoT Analytics

AWS Backup CloudTrail GuardDuty IoT Device Defender

Database RDS OpsWorks Inspector IoT Device Management

RDS Service Catalog Amazon Macie IoT Events

AWS Single Sign-On IoT Greengrass

IOT SiteWise

emr-cluster.pem

Mostrar todas

https://console.aws.amazon.com/elasticmapreduce/home?region=us-east-1

© 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

PowerPoint Apresentação Grupos_ABD https://www.a https://www.a Correio - Hug AWS Account Workbench EMR - AWS

console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#

AWS Services Resource Groups N. Virginia Support

Amazon EMR

Clusters

Security configurations

Block public access

VPC subnets

Events

Notebooks

Git repositories

Help

What's new

Welcome to Amazon Elastic MapReduce

Amazon Elastic MapReduce (Amazon EMR) is a web service that enables businesses, researchers, data analysts, and developers to easily and cost-effectively process vast amounts of data.

You do not appear to have any clusters. Create one now:

[Create cluster](#)

Click Create Cluster

How Elastic MapReduce Works

Upload



Upload your data and processing application to S3.

Create



Configure and create your cluster by specifying data inputs, outputs, cluster size, security settings, etc.

Monitor



Monitor the health and progress of your cluster. Retrieve the output in S3.

[Learn more](#)[Learn more](#)[Learn more](#)

Additional Information

More about Elastic MapReduce

[EMR overview](#)[FAQs](#)[Pricing](#)

More Help Using Elastic MapReduce

[Forum](#)[Documentation](#)[Developer Guide](#)[API Reference](#)[EMR on GitHub](#)[Help portal](#)

Create Cluster - Quick Options [Go to advanced options](#) Click go to advanced options

General Configuration

Cluster name

Logging [i](#)

S3 folder [i](#)

Launch mode Cluster [i](#) Step execution [i](#)

Software configuration

Release [i](#)

Applications Core Hadoop: Hadoop 2.8.5 with Ganglia 3.7.2, Hive 2.3.6, Hue 4.4.0, Mahout 0.13.0, Pig 0.17.0, and Tez 0.9.2
 HBase: HBase 1.4.10 with Ganglia 3.7.2, Hadoop 2.8.5, Hive 2.3.6, Hue 4.4.0, Phoenix 4.14.3, and ZooKeeper 3.4.14
 Presto: Presto 0.227 with Hadoop 2.8.5 HDFS and Hive 2.3.6 Metastore
 Spark: Spark 2.4.4 on Hadoop 2.8.5 YARN with Ganglia 3.7.2 and Zeppelin 0.8.2

Use AWS Glue Data Catalog for table metadata [i](#)

Hardware configuration

Create Cluster - Advanced Options

[Go to quick options](#)

Step 1: Software and Steps

Step 2: Hardware

Step 3: General Cluster Settings

Step 4: Security

Software Configuration

Release emr-5.28.0

- | | |
|--|---|
| <input checked="" type="checkbox"/> Hadoop 2.8.5 | <input type="checkbox"/> Zeppelin 0.8.2 |
| <input type="checkbox"/> JupyterHub 1.0.0 | <input type="checkbox"/> Tez 0.9.2 |
| <input type="checkbox"/> Ganglia 3.7.2 | <input type="checkbox"/> HBase 1.4.10 |
| <input checked="" type="checkbox"/> Hive 2.3.6 | <input type="checkbox"/> Presto 0.227 |
| <input type="checkbox"/> MXNet 1.5.1 | <input type="checkbox"/> Sqoop 1.4.7 |
| <input type="checkbox"/> Hue 4.4.0 | <input type="checkbox"/> Phoenix 4.14.3 |
| <input checked="" type="checkbox"/> Spark 2.4.4 | <input type="checkbox"/> HCatalog 2.3.6 |

1. Select the following checkboxes.
This is what we need to create the cluster
- | |
|--|
| <input checked="" type="checkbox"/> Livy 0.6.0 |
| <input type="checkbox"/> Flink 1.9.0 |
| <input type="checkbox"/> Pig 0.17.0 |
| <input type="checkbox"/> ZooKeeper 3.4.14 |
| <input type="checkbox"/> Mahout 0.13.0 |
| <input type="checkbox"/> Oozie 5.1.0 |
| <input type="checkbox"/> TensorFlow 1.14.0 |

Multiple master nodes (optional)

Use multiple master nodes to improve cluster availability. [Learn more](#)

AWS Glue Data Catalog settings (optional)

- Use for Hive table metadata
- Use for Spark table metadata

Edit software settings

Enter configuration Load JSON from S3

```
classification=config-file-name,properties=[myKey1=myValue1,myKey2=myValue2]
```

2. Scroll down and click next

Steps (optional)

PowerPoint Apresentação Grupos_ABD https://www. https://www. Correio - Hugo AWS Account Workbench EMR - AWS

console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#create-cluster:

AWS Services Resource Groups N. Virginia Support

Create Cluster - Advanced Options

[Go to quick options](#)[Step 1: Software and Steps](#)

Step 2: Hardware

[Step 3: General Cluster Settings](#)[Step 4: Security](#)

Hardware Configuration

If you need more than 20 EC2 instances, see this topic [Learn more](#).

Instance group configuration

 Uniform instance groups

Specify a single instance type and purchasing option for each node type.

 Instance fleets

Specify target capacity and how Amazon EMR fulfills it for each node type. Mix instance types and purchasing options. [Learn more](#)

Network

vpc-97b6e8ed (172.31.0.0/16) (default)

[Create a VPC](#)**EC2 Subnet**

subnet-61020a4f | Default in us-east-1d

Root device EBS volume size

10 GiB

Choose the instance type, number of instances, and a purchasing option. You can choose to use On-Demand Instances, Spot Instances, or both. The instance type and purchasing option apply to all EC2 instances in each instance group, and you can only specify these options for an instance group when you create it. [Learn more about instance purchasing options](#)

Node type	Instance type	Instance count	Purchasing option
Master Master - 1	m5.xlarge 4 vCore, 16 GiB memory, EBS only storage EBS Storage: 64 GiB Add configuration settings	1 Instances	<input checked="" type="radio"/> On-demand <input type="radio"/> Spot Use on-demand as max price
Core	m5.xlarge		<input checked="" type="radio"/> On-demand

1. This is where we configure the instances virtual machines to run our code, keep that as default for now

PowerPoint | Apresentação | Grupos_ABD_ | https://www. | https://www. | Correio - Hugo | AWS Account | Workbench | EMR - AWS | +

console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#create-cluster:

aws Services Resource Groups

EC2 Subnet subnet-61020a4f | Default in us-east-1d

Root device EBS volume size 10 GiB

Choose the instance type, number of instances, and a purchasing option. You can choose to use On-Demand Instances, Spot Instances, or both. The instance type and purchasing option apply to all EC2 instances in each instance group, and you can only specify these options for an instance group when you create it. [Learn more about instance purchasing options](#)

Node type	Instance type	Instance count	Purchasing option
Master Master - 1	m5.xlarge 4 vCore, 16 GiB memory, EBS only storage EBS Storage: 64 GiB Add configuration settings	1 Instances	<input checked="" type="radio"/> On-demand <input type="radio"/> Spot Use on-demand as max price
Core Core - 2	m5.xlarge 4 vCore, 16 GiB memory, EBS only storage EBS Storage: 64 GiB Add configuration settings	2 Instances	<input checked="" type="radio"/> On-demand <input type="radio"/> Spot Use on-demand as max price
Task Task - 3	m5.xlarge 4 vCore, 16 GiB memory, EBS only storage EBS Storage: 64 GiB Add configuration settings	0 Instances	<input checked="" type="radio"/> On-demand <input type="radio"/> Spot Use on-demand as max price

+ Add task instance group

1 master node and 2 slave nodes

Here you configure the cluster you want I keep that as default.

Click next

Cancel Previous Next

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy emr-cluster.pem

Create Cluster - Advanced Options

[Go to quick options](#)

Step 1: Software and Steps

Step 2: Hardware

Step 3: General Cluster Settings

Step 4: Security

General Options

Cluster name

Logging [i](#)

S3 folder 

Select the folter created on s3 bucket

Debugging [i](#)

Termination protection [i](#)

Tags [i](#)

Key

Value (optional)

Add a key to create a tag

Additional Options

EMRFS consistent view [i](#)

Custom AMI ID

Bootstrap Actions

PowerPoint | Apresentação | Grupos_ABD_ | https://www.e | https://www.e | Correio - Hug | AWS Account | Workbench | EMR - AWS | +

console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#create-cluster:

AWS Services Resource Groups Go to quick options

Step 1: Software and Steps

Step 2: Hardware

Step 3: General Cluster Settings

Step 4: Security

General Options

Cluster name My cluster

Logging i
S3 folder folder icon **Select the folter created on s3 bucket**

Debugging i

Termination protection i

Tags i

Key	Value (optional)
Add a key to create a tag	

Additional Options

EMRFS consistent view i

Custom AMI ID dropdown icon i

▶ Bootstrap Actions

Click next

Cancel Previous Next

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

emr-cluster.pem Mostrar todas X

Create Cluster - Advanced Options

[Go to quick options](#)

Step 1: Software and Steps

Step 2: Hardware

Step 3: General Cluster Settings

Step 4: Security

Security Options

EC2 key pair

[Proceed without an EC2 key pair](#)

Associate the ec2 pair previously created

Cluster visible to all IAM users in account

Permissions

Default Custom

Use default IAM roles. If roles are not present, they will be automatically created for you with managed policies for automatic policy updates.

EMR role [EMR_DefaultRole](#)

EC2 instance profile [EMR_EC2_DefaultRole](#)

Auto Scaling role [EMR_AutoScaling_DefaultRole](#)

► Security Configuration

► EC2 security groups

Info No EC2 key pair has been selected, so you will not be able to SSH to this cluster. [Learn how to create an EC2 Key Pair.](#)

[Cancel](#)

[Previous](#)

[Create cluster](#)

Chrome Ficheiro Editar Ver Histórico Marcadores Pessoas Janela Ajuda

17% qui 23:10 Hugo Santos

PowerPoint Apresentação Grupos_ABD https://www. https://www. Correio - Hugo AWS Account Workbench EMR - AWS

console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#create-cluster:

aws Services Resource Groups N. Virginia Support

Create Cluster - Advanced Options

[Go to quick options](#)

Step 1: Software and Steps

Step 2: Hardware

Step 3: General Cluster Settings

Step 4: Security

Security Options

EC2 key pair

Associate the ec2 pair previously created

Cluster visible to all IAM users in account

Permissions

Default Custom

Use default IAM roles. If roles are not present, they will be automatically created for you with managed policies for automatic policy updates.

EMR role [EMR_DefaultRole](#)

EC2 instance profile [EMR_EC2_DefaultRole](#)

Auto Scaling role [EMR_AutoScaling_DefaultRole](#)

► Security Configuration

► EC2 security groups

[Cancel](#)

[Previous](#)

Create cluster

PowerPoint Apresentação Grupos_ABD https://www.a https://www.a Correio - Hug AWS Account Workbench EMR - AWS

console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#create-cluster:

AWS Services Resource Groups N. Virginia Support

Step 1: Software and Steps

Step 2: Hardware

Step 3: General Cluster Settings

Step 4: Security

Security Options

EC2 key pair emr-cluster

Cluster visible to all IAM users in account

Permissions

Default Custom

Use default IAM roles. If roles are not present, they will be automatically created for you with managed policies for automatic policy updates.

EMR role EMR_DefaultRole

EC2 instance profile EMR_EC2_DefaultRole

Auto Scaling role EMR_AutoScaling_DefaultRole

► Security Configuration

▼ EC2 security groups

An EC2 security group acts as a virtual firewall for your cluster nodes to control inbound and outbound traffic. There are two types of security groups you can configure, [EMR managed security groups](#) and [additional security groups](#). EMR will [automatically update](#) the rules in the EMR managed security groups in order to launch a cluster. [Learn more](#).

Type	EMR managed security groups EMR will automatically update the selected group	Additional security groups EMR will not modify the selected groups	Associate the default rules for Master, core & task security groups.
Master	Create ElasticMapReduce-master	No security groups selected	
Core & Task	Create ElasticMapReduce-slave	No security groups selected	
Create a security group			



PowerPoint Apresentação Grupos_ABD https://www.a https://www.a Correio - Hug AWS Account Workbench EMR - AWS

console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#create-cluster:

AWS Services Resource Groups N. Virginia Support

Step 1: Software and Steps

Step 2: Hardware

Step 3: General Cluster Settings

Step 4: Security

Security Options

EC2 key pair emr-cluster

Cluster visible to all IAM users in account

Permissions

Default Custom

Use default IAM roles. If roles are not present, they will be automatically created for you with managed policies for automatic policy updates.

EMR role [EMR_DefaultRole](#)

EC2 instance profile [EMR_EC2_DefaultRole](#)

Auto Scaling role [EMR_AutoScaling_DefaultRole](#)

► Security Configuration

▼ EC2 security groups

An EC2 security group acts as a virtual firewall for your cluster nodes to control inbound and outbound traffic. There are two types of security groups you can configure, [EMR managed security groups](#) and [additional security groups](#). EMR will [automatically update](#) the rules in the EMR managed security groups in order to launch a cluster. [Learn more](#).

Type	EMR managed security groups EMR will automatically update the selected group	Additional security groups EMR will not modify the selected groups
Master	sg-e72b65b2 (default)	No security groups selected
Core & Task	sg-e72b65b2 (default)	No security groups selected
<p><small>EMR will automatically update the rules in the custom EMR managed security groups selected above to launch a cluster</small></p>		

1. Associate the default rule.

2. Click next.

AWS Services Resource Groups ▾

Amazon EMR

Clusters Security configurations Block public access VPC subnets Events Notebooks Git repositories Help What's new

Cluster: My cluster Starting Cluster state

Clone Terminate AWS CLI export

Summary Application history Monitoring Hardware Configurations Events Steps Bootstrap actions

Connections: --

Master public DNS: --

History service: --

Tags: -- [View All / Edit](#)

Summary

ID: j-22TTAOP42KEQM
Creation date: 2019-11-28 23:11 (UTC+0)
Elapsed time: 0 seconds
After last step Cluster waits completes:
Termination On [Change](#) protection:

Network and hardware

Availability zone: --
Subnet ID: [subnet-61020a4f](#)

Machine state

Master: Provisioning 1 m5.xlarge
Core: Provisioning 2 m5.xlarge
Task: --

Configuration details

Release label: emr-5.28.0
Hadoop distribution: Amazon 2.8.5
Applications: Hive 2.3.6, Livy 0.6.0, Spark 2.4.4
Log URI: s3://my-test-bucket-hfps/ [Folder](#)
EMRFS consistent Disabled
view:
Custom AMI ID: --

Security and access

Key name: emr-cluster
EC2 instance profile: EMR_EC2_DefaultRole
EMR role: EMR_DefaultRole
Auto Scaling role: EMR_AutoScaling_DefaultRole
Visible to all users: All [Change](#)
Security groups for [sg-e72b65b2](#) (default)
Master:

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use emr-cluster.pem Mostrar todas X

PowerPoint Apresentação Grupos_ABD https://www.a https://www.a Correio - Hug AWS Account Workbench EMR - AWS

console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#cluster-details:j-22TTAOP42KEQM

AWS Services Resource Groups Clone Terminate AWS CLI export

Amazon EMR Clusters Security configurations Block public access VPC subnets Events Notebooks Git repositories Help What's new

Cluster: My cluster Starting Configuring cluster software

Summary Application history Monitoring Hardware Configurations Events Steps Bootstrap actions

Connections: Enable Web Connection – Spark History Server, Resource Manager ... (View All)

Master public DNS: ec2-54-165-35-45.compute-1.amazonaws.com SSH

History service: --

Tags: -- View All / Edit

Configure ssh keys to acess the cluster via SSH

Summary

ID: j-22TTAOP42KEQM
Creation date: 2019-11-28 23:11 (UTC+0)
Elapsed time: 2 minutes
After last step Cluster waits completes:
Termination On Change protection:

Network and hardware

Availability zone: us-east-1d
Subnet ID: subnet-61020a4f
Master: Bootstrapping 1 m5.xlarge
Core: Provisioning 2 m5.xlarge
Task: --

Configuration details

Release label: emr-5.28.0
Hadoop distribution: Amazon 2.8.5
Applications: Hive 2.3.6, Livy 0.6.0, Spark 2.4.4
Log URI: s3://my-test-bucket-hfps/

EMRFS consistent Disabled
view:
Custom AMI ID: --

Security and access

Key name: emr-cluster
EC2 instance profile: EMR_EC2_DefaultRole
EMR role: EMR_DefaultRole
Auto Scaling role: EMR_AutoScaling_DefaultRole
Visible to all users: All Change
Security groups for sg-e72b65b2 (default)
Master:

⚠ Core - 2: Your account is currently being verified.

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

emr-cluster.pem Mostrar todas

PowerPoint Apresentação Grupos_ABD https://www.a https://www.a Correio - Hug AWS Account Workbench EMR - AWS

console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#cluster-details:j-22TTAOP42KEQM

AWS Services Resource Groups Clone Terminate AWS CLI export

Amazon EMR Clusters Security configurations Block public access VPC subnets Events Notebooks Click here Git repositories Help What's new

Cluster: My cluster Running Running step

Summary Application history Monitoring Hardware Configurations Events Steps Bootstrap actions

Connections: Enable Web Connection – Spark History Server, Resource Manager ... (View All) C

Master public DNS: ec2-54-165-35-45.compute-1.amazonaws.com SSH

History service: Spark history server UI (SSH tunneling not required) Spark History server UI show spark jobs finished

Tags: -- View All / Edit

Summary

ID: j-22TTAOP42KEQM
Creation date: 2019-11-28 23:11 (UTC+0)
Elapsed time: 5 minutes
After last step Cluster waits completes:
Termination On Change protection:

Network and hardware

Availability zone: us-east-1d
Subnet ID: subnet-61020a4f
Master: Running 1 m5.xlarge
Core: Running 2 m5.xlarge
Task: --

Configuration details

Release label: emr-5.28.0
Hadoop distribution: Amazon 2.8.5
Applications: Hive 2.3.6, Livy 0.6.0, Spark 2.4.4
Log URI: s3://my-test-bucket-hfps/

EMRFS consistent Disabled
view:
Custom AMI ID: --

Security and access

Key name: emr-cluster
EC2 instance profile: EMR_EC2_DefaultRole
EMR role: EMR_DefaultRole
Auto Scaling role: EMR_AutoScaling_DefaultRole
Visible to all users: All Change
Security groups for sg-e72b65b2 (default)
Master:

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use emr-cluster.pem Mostrar todas

Amazon EMR

Clusters

Security configurations

Block public access

VPC subnets

Events

Notebooks

Git repositories

Help

What's new

Notebooks

Use EMR notebooks based on Jupyter to analyze data interactively with live code, narrative text, visualizations, and more. Create and attach notebooks to Amazon EMR clusters running Hadoop, Spark, and Livy. Notebooks run free of charge and are saved in Amazon S3 independently of clusters. Standard billing for clusters and Amazon S3 apply. [Learn more](#)

Create notebook

[View details](#)

[Open in JupyterLab](#)

[Open in Jupyter](#)

tart

Stop

Delete

Click
"Create notebook"

PowerPoint Apresentação Grupos_ABD https://www.a https://www.a Correio - Hug AWS Account Workbench EMR - AWS

console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#create-notebook:

AWS Services Resource Groups

Amazon EMR

Clusters Security configurations Block public access VPC subnets Events Notebooks Git repositories Help What's new

Create notebook

Name and configure your notebook

Name your notebook, choose a cluster or create one, and customize configuration options if desired. [Learn more](#)

Notebook name* test-notebook

Choose a cluster

The listed clusters meet notebook requirements. They are in an EC2-VPC, running EMR 5.18.0 or later, and have Hadoop, Spark, and Livy installed. [Learn more](#)

The notebook can be opened once the cluster is in Waiting or Running status.

Filter: Filter clusters ... 1 cluster (all loaded) C

Name	ID	Status
My cluster	j-22TTAOP42KEQM	Waiting Cluster ready

1. Select the cluster previously created to run the code.
2. Click Choose the cluster.

Notebook location Choose an S3 location where files for this notebook are saved.

Use a location that EMR creates s3://aws-emr-resources-427367588244-us-east-1/notebooks/

Choose an existing S3 location in us-east-1

Git repository Link to a Git repository

Feedback English (US)

© 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

emr-cluster.pem Mostrar todas

AWS Services Resource Groups

Notebook: test-notebook Ready Notebook is ready to run jobs on cluster j-22TTAOP42KEQM.

[Open in JupyterLab](#) **Open in Jupyter** Stop Delete

Notebook

Notebook ID: e-5VXGSGQ6DFEPU9CZIV11UQHME

Description: --

Last modified: 4 seconds ago ⓘ

Last modified by: ...assumed-role/vocstartsoft/user537958=hfpss@iscte-iul.pt ⓘ

Created on: 2019-11-28 23:18 (UTC+0)

Created by: ...assumed-role/vocstartsoft/user537958=hfpss@iscte-iul.pt ⓘ

Service IAM role: [EMR_Notebooks_DefaultRole](#) ↗

Notebook tags: creatorUserId = AROAWHAIX4GKGFIERNODQ7:user537958=hfpss@iscte-iul.pt [View All / Edit](#)

Notebook location: s3://aws-emr-resources-427367588244-us-east-1/notebooks/ 📁

Cluster

Cluster: My cluster

Cluster Id: [j-22TTAOP42KEQM](#)

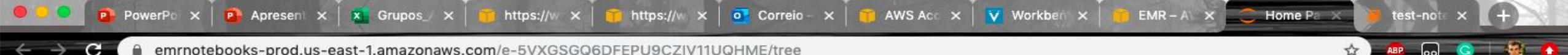
Cluster status: Waiting Cluster ready after last step completed.

Cluster tags: --

Step logs: s3://my-test-bucket-hfps/ 📁

Git repositories

The repository can be linked to a notebook once the notebook is ready. Make sure your cluster, service role and security groups have the required settings. [Learn more ↗](#)



jupyter

Quit

Files Running Clusters

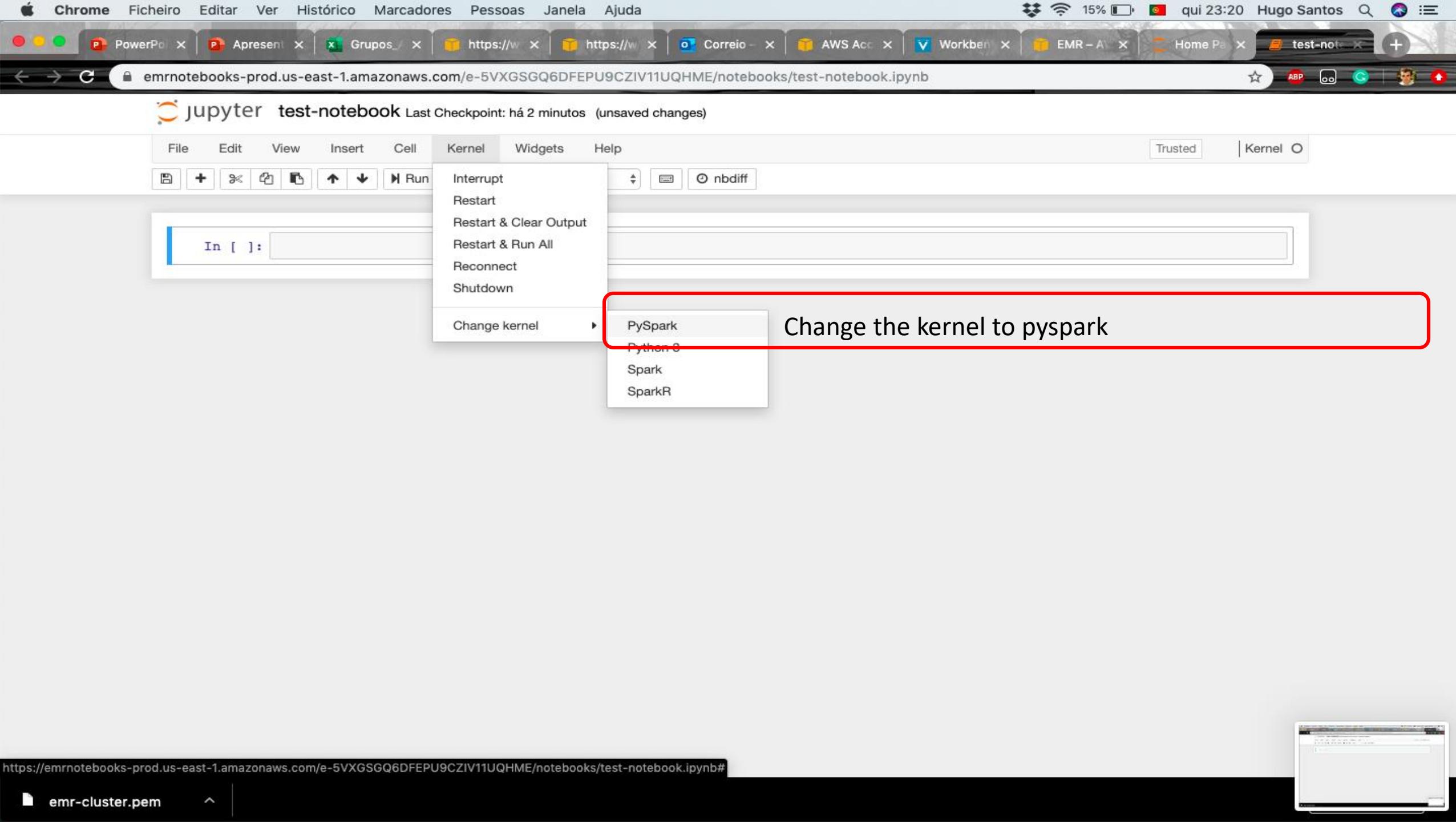
Select items to perform actions on them.

Upload New ▾



Name	Last Modified	File size
test-notebook.ipynb	há 2 minutos	72 B

Open the notebook previously created



PowerPo Apresent Grupos https://w https://w Correio AWS Acc Workber EMR - A Home Pa test-notebook

jupyter test-notebook Last Checkpoint: há 2 minutos (unsaved changes)

File Edit View Insert Cell Kernel Widgets Help Trusted PySpark

In [*]: spark

This message should appear when run spark command

Starting Spark application

ID	YARN Application ID	Kind	State	Spark UI	Driver log	Current session?
0	application_1574982940522_0001	pyspark	idle	Link	Link	✓

Progress:

PowerPoint Apresent Grupos https://w https://w Correio AWS Acc Workben AWS Mar Home Pa test-note

console.aws.amazon.com/console/home?region=us-east-1

aws Services Resource Groups N. Virginia Support

AWS Management Console

AWS services

Find Services
You can enter names, keywords or acronyms.

We will upload a new dataset to s3 and loaded in spark ×

S3
Scalable Storage in the Cloud

S3 Glacier
Archive Storage in the Cloud

AWS Transfer for SFTP
Fully-managed SFTP service for Amazon S3

Athena
Query Data in S3 using SQL

Snowball
Large Scale Data Transport

Amazon Transcribe
Powerful Speech Recognition

Build a solution
Get started with simple wizards and automated workflows.

Launch a virtual machine
With EC2
2-3 minutes

Build a web app
With Elastic Beanstalk
6 minutes

Build using virtual servers
With Lightsail
1-2 minutes

Access resources on the go
Access the Management Console using the AWS Console Mobile App. [Learn more](#)

Explore AWS

Stream Live re:Invent Keynotes and Launches, Dec 2 – 6
Hear from AWS leaders, and learn about new products. [Sign up](#)

Amazon RDS
Set up, operate, and scale your relational database in the cloud. [Learn more](#)

EC2 Spot Instances
Run fault-tolerant workloads on Spot Instances and save up to 90% on compute. [Learn more](#)

PowerPoint Apresent Grupos https://w https://w Correio AWS Acc Workben S3 Mana Home Pa test-note +

console.aws.amazon.com/s3/home?region=us-east-1

AWS Services Resource Groups ★

Amazon S3

Prevent S3 objects from being deleted for a predefined retention period with S3 Object Lock. [Learn more »](#)

Buckets Batch operations Block public access (account settings) Feature spotlight 2

S3 buckets [Discover the console](#)

Search for buckets All access types

+ Create bucket Edit public access settings Empty Delete 2 Buckets 1 Regions

Bucket name	Access	Region	Date created
aws-emr-resources-427367588244-us-east-1	Objects can be public	US East (N. Virginia)	Nov 28, 2019 11:17:56 PM GMT+0000
my-test-bucket-hfps	Bucket and objects not public	US East (N. Virginia)	Nov 28, 2019 11:04:21 PM GMT+0000

Select and click the bucket previously created

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use emr-cluster.pem Mostrar todas X

AWS Services Resource Groups

Upload

- 1 Select files
- 2 Set permissions
- 3 Set properties
- 4 Review

To upload a file larger than 160 GB, use the AWS CLI, AWS SDK, or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders here

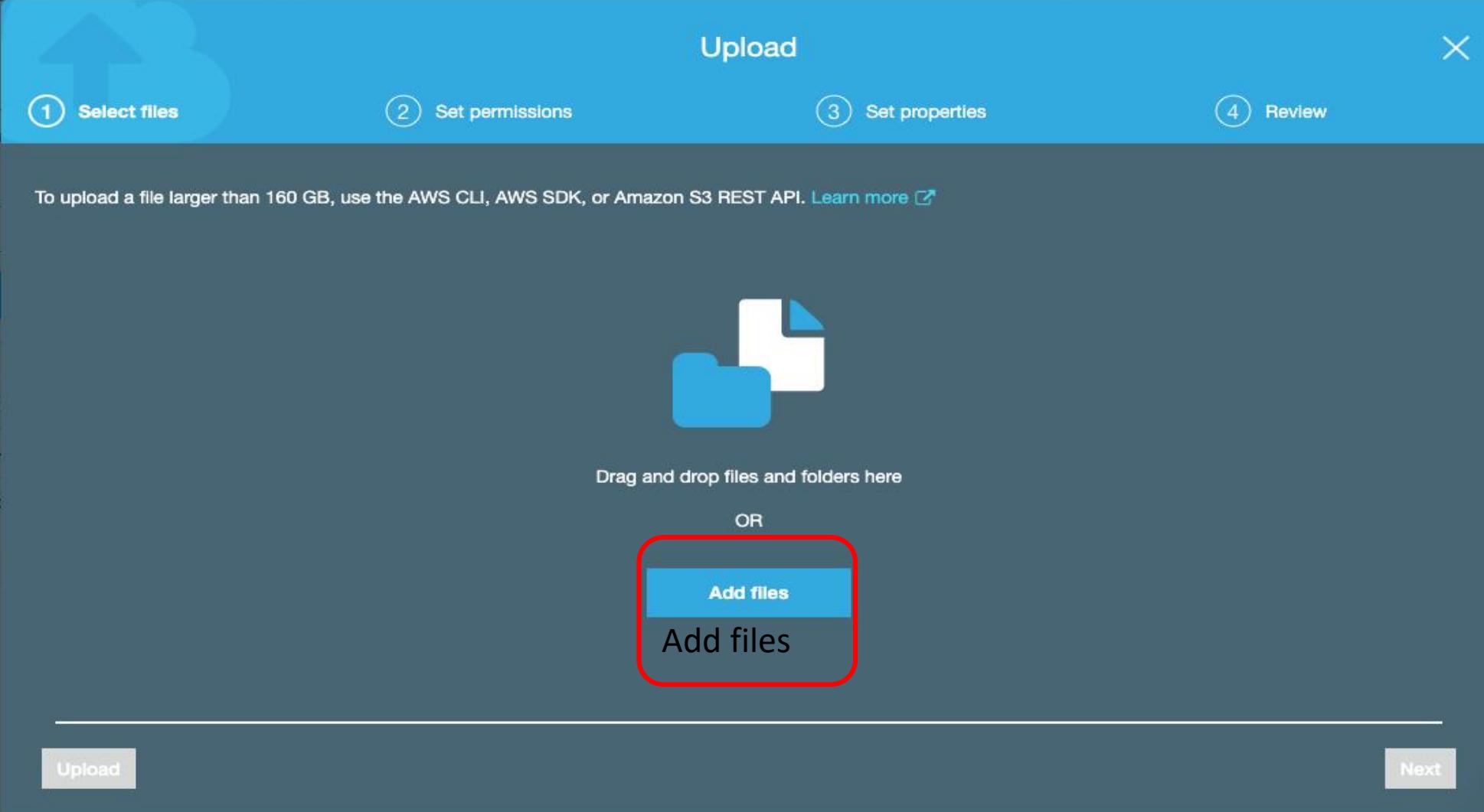
OR

Add files

Add files

Upload Next

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy emr-cluster.pem



The screenshot shows the AWS S3 'Upload' interface. A modal window titled 'Upload' is open, divided into four steps: 1. Select files, 2. Set permissions, 3. Set properties, and 4. Review. Step 1 is active. Inside the modal, there's a note about uploading large files using the AWS CLI, SDK, or REST API. Below the note is a large central area with a blue arrow icon pointing up, labeled 'Drag and drop files and folders here'. Below this area is the text 'OR'. Underneath 'OR' are two buttons: 'Add files' (which is highlighted with a red rectangular border) and 'Add files'. At the bottom of the modal are two buttons: 'Upload' on the left and 'Next' on the right. The background shows the 'Amazon S3' service page with the 'Upload' tab selected.

PowerPo | Apresent | Grupos_ | https://w | https://w | Correio- | AWS Acc | Workben | S3 Mana | Home Pa | test-note | +

console.aws.amazon.com/s3/buckets/my-test-bucket-hfps/?region=us-east-1&tab=overview

AWS Services Resource Groups

Amazon S3 Overview

Type a

Upload

Upload

1 Select files 2 Set permissions 3 Set properties 4 Review

1 Files Size: 43.0 MB Target path: my-test-bucket-hfps

To upload a file larger than 160 GB, use the AWS CLI, AWS SDK, or Amazon S3 REST API. Learn more

+ Add more files

online-retail-dataset.csv - 43.0 MB

I choose this dataset you can upload anyone

Upload Click upload Next

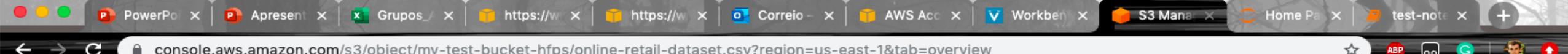
Feedback English (US)

© 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Privacy Policy Terms of Use

emr-cluster.pem

Mostrar todas



PowerP Apreser Grupos https:// https:// Correio AWS Ac Workbe S3 Man Home test-no ABD/St

emrnotebooks-prod.us-east-1.amazonaws.com/e-5VXGSGQ6DFEPU9CZIV11UQHME/notebooks/test-notebook.ipynb#

jupyter test-notebook Last Checkpoint: há 8 minutos (unsaved changes)

File Edit View Insert Cell Kernel Widgets Help Trusted | PySpark

In [3]: spark

```
<pyspark.sql.session.SparkSession object at 0x7f4ebddfb00>
```

In [*]: df = spark.read.format("csv")\ .option("header", "true")\ .option("inferSchema", "true")\ .load("s3://my-test-bucket-hdfs/online-retail-dataset.csv")

▶ Spark Job Progress

Progress:

In [3]: spark

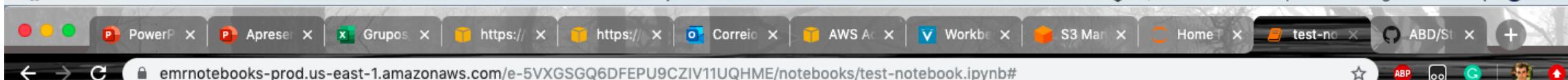
```
<pyspark.sql.session.SparkSession object at 0x7f4ebddfb00>
```

In [*]: df = spark.read.format("csv")\ .option("header", "true")\ .option("inferSchema", "true")\ .load("s3://my-test-bucket-hdfs/online-retail-dataset.csv")

▶ Spark Job Progress

Progress:

Paste the s3 location where the file is located and create a new dataframe



jupyter test-notebook Last Checkpoint: há 8 minutos (unsaved changes)

File Edit View Insert Cell Kernel Widgets Help



```
In [4]: df = spark.read.format("csv")\
.option("header", "true")\
.option("inferSchema", "true")\
.load("s3://my-test-bucket-hdfs/online-retail-dataset.csv")
```

Spark Job Progress

Expand the job progress output

Job [0]: load at NativeMethodAccessImpl.java:0

Progress for load at NativeMethodAccessImpl.java:0		Job Progress: 1/1 Tasks Complete		
Stage [ID]: name at [source]:[line]	Status	Task Progress	Elapsed Time (seconds)	Failed Task Logs
Stage [0]: load at NativeMe...java:0	COMPLETE	1/1	6.977	

Job [1]: load at NativeMethodAccessImpl.java:0

Progress for load at NativeMethodAccessImpl.java:0		Job Progress: 4/4 Tasks Complete		
Stage [ID]: name at [source]:[line]	Status	Task Progress	Elapsed Time (seconds)	Failed Task Logs
Stage [1]: load at NativeMe...java:0	COMPLETE	4/4	3.415	

PowerP X Apreser X Grupos X https:// X https:// X Correio X AWS Ac X Workbe X S3 Man X Home X test-no X ABD/St X +

emrnotebooks-prod.us-east-1.amazonaws.com/e-5VXGSGQ6DFEPU9CZIV11UQHME/notebooks/test-notebook.ipynb#

jupyter test-notebook Last Checkpoint: há 9 minutos (unsaved changes)

File Edit View Insert Cell Kernel Widgets Help Trusted | PySpark O

In [3]: spark

```
<pyspark.sql.session.SparkSession object at 0x7f4ebddfb00>
```

In [5]: df = spark.read.format("csv")\ .option("header", "true")\ .option("inferSchema", "true")\ .load("s3://my-test-bucket-hdfs/online-retail-dataset.csv")

▶ Spark Job Progress

In [6]: df.show(5)

▶ Spark Job Progress

InvoiceNo	StockCode	Description	Quantity	InvoiceDate	UnitPrice	CustomerID	Country
536365	85123A	WHITE HANGING HEA...	6	12/1/2010 8:26	2.55	17850	United Kingdom
536365	71053	WHITE METAL LANTERN	6	12/1/2010 8:26	3.39	17850	United Kingdom
536365	84406B	CREAM CUPID HEART...	8	12/1/2010 8:26	2.75	17850	United Kingdom
536365	84029G	KNITTED UNION FLA...	6	12/1/2010 8:26	3.39	17850	United Kingdom
536365	84029E	RED WOOLLY HOTTIE...	6	12/1/2010 8:26	3.39	17850	United Kingdom

only showing top 5 rows

Power X Apres X Grupo X https: X https: X Corre X AWS X Work X EMR X Histor X Home X test-n X ABD/S X +

console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#cluster-details:j-22TTAOP42KEQM

aws Services Resource Groups Clone Terminate AWS CLI export

Amazon EMR Clusters Security configurations Block public access VPC subnets Events Notebooks Git repositories Help What's new

Cluster: My cluster Waiting Cluster ready after last step completed.

Summary Application history Monitoring Hardware Configurations Events Steps Bootstrap actions

SSH Configurations for linux ssh virtual machines

Connect to the Master Node Using SSH

You can connect to the Amazon EMR master node using SSH to run interactive queries, examine log files, submit Linux commands, and so on. [Learn more](#)

Windows Mac / Linux

1. Open a terminal window. On Mac OS X, choose Applications > Utilities > Terminal. On other Linux distributions, terminal is typically found at Applications > Accessories > Terminal.
2. To establish a connection to the master node, type the following command. Replace ~/emr-cluster.pem with the location and filename of the private key file (.pem) used to launch the cluster.

```
ssh -i ~/emr-cluster.pem hadoop@ec2-54-165-35-45.compute-1.amazonaws.com
```

3. Type yes to dismiss the security warning.

Close

Subnet ID: subnet-61020a4f [] EC2 instance profile: EMR_EC2_DefaultRole
Master: Running 1 m5.xlarge
Core: Running 2 m5.xlarge
Task: --
EMR role: EMR_DefaultRole
Auto Scaling role: EMR_AutoScaling_DefaultRole
Visible to all users: All Change
Security groups for sg-e72b65b2 [] (default)
Master:

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use emr-cluster.pem Mostrar todas X

Power X Apres X Grupo X https X https X Corre X AWS X Work X EMR X Histor X Home X test-h X ABD/S X + <https://console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#cluster-details:j-22TTAOP42KEQM>

Services Resource Groups Clusters Clusters

Clone Terminate AWS CLI export Cluster: My cluster Waiting Cluster ready after last step completed.

Summary Application history Monitoring Hardware Configurations Events Steps Bootstrap actions

SSH Configurations for windows ssh virtual machines

Connect to the Master Node Using SSH

You can connect to the Amazon EMR master node using SSH to run interactive queries, examine log files, submit Linux commands, and so on. [Learn more](#)

Windows Mac / Linux

1. Download PuTTY.exe to your computer from: <http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>
2. Start PuTTY.
3. In the Category list, click Session.
4. In the Host Name field, type **hadoop@ec2-54-165-35-45.compute-1.amazonaws.com**
5. In the Category list, expand Connection > SSH, and then click Auth.
6. For Private key file for authentication, click Browse and select the private key file (**emr-cluster.ppk**) used to launch the cluster.
7. Click Open.
8. Click Yes to dismiss the security alert.

Close

Master: Running 1 m5.xlarge
Core: Running 2 m5.xlarge
Task: --

EMR role: EMR_DefaultRole
Auto Scaling role: EMR_AutoScaling_DefaultRole
Visible to all users: All [Change](#)
Security groups for sg-e72b65b2 (default)
Master:

Feedback English (US) emr-cluster.pem © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy

AWS Support N. Virginia

Power X Apres X Grupo X https X https X Corre X AWS X Work X EMR X Histor X Home X test-h X ABD/S X + <https://console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#cluster-details:j-22TTAOP42KEQM>

aws Services Resource Groups ▾ Clone Terminate AWS CLI export

Amazon EMR Clusters Security configurations Block public access VPC subnets Events Notebooks Git repositories Help What's new

Cluster: My cluster Waiting Cluster ready after last step completed.

Summary Application history Monitoring Hardware Configurations Events Steps Bootstrap actions Add task instance group

Instance groups Filter: Filter instance groups ... 2 instance groups (all loaded) C

ID	Status	Node type & name	Instance type	Instance count	P
ig-18EYOTK23ITN	Running	CORE Core - 2	m5.xlarge 4 vCore, 16 GiB memory, EBS only storage EBS Storage: 64 GiB	2 Instances Resize	O
ig-2ED77RX6L8J36	Running	MASTER Master - 1	m5.xlarge 4 vCore, 16 GiB memory, EBS only storage EBS Storage: 64 GiB	1 Instances	O

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use emr-cluster.pem ^ Mostrar todas X

AWS Services Resource Groups ▾

Amazon EMR

Clusters Security configurations Block public access VPC subnets Events Notebooks Git repositories Help What's new

Clone Terminate AWS CLI export

Cluster: My cluster Waiting Cluster ready after last step completed.

Summary Application history Monitoring Hardware Configurations Events Steps Bootstrap actions

Amazon EMR collects information from YARN applications on your cluster and keeps historical information after applications have completed.

Spark history server UI

 Use the Spark history server UI to view scheduler stages and tasks, RDD sizes and memory usage, environmental information and information about the running executors. Available on running clusters or for up to 30 days for terminated clusters. [Learn more](#)

[Spark history server UI](#) (SSH tunneling not required)

High-level application history

Information about completed Spark applications is shown up to seven days. [Learn more](#)

YARN applications (1)

Filter: All applications Filter applications ... 1 applications (all loaded) C

Application ID	Type	Action	Status	Start time (UTC+0)	Duration	Finish time (UTC+0)	User
▶ application_1574982940522_0001	Spark	livy-session-0	Running	2019-11-28 23:20 (UTC+0)	6.6 min		livy

AWS Services Resource Groups ▾

Amazon EMR

Clusters Security configurations Block public access VPC subnets Events Notebooks Git repositories Help What's new

Clone Terminate AWS CLI export

Cluster: My cluster Waiting Cluster ready after last step completed.

Summary Application history Monitoring Hardware Configurations Events Steps Bootstrap actions

Connections: [Enable Web Connection](#) – Spark History Server, Resource Manager ... (View All)

Master public DNS: ec2-54-165-35-45.compute-1.amazonaws.com [SSH](#)

History service: [Spark history server UI](#) (SSH tunneling not required)

Tags: -- [View All / Edit](#)

Summary

ID: j-22TTAOP42KEQM
Creation date: 2019-11-28 23:11 (UTC+0)
Elapsed time: 17 minutes
After last step Cluster waits completes:
Termination On [Change](#) protection:

Network and hardware

Availability zone: us-east-1d
Subnet ID: [subnet-61020a4f](#)
Master: [Running](#) 1 m5.xlarge
Core: [Running](#) 2 m5.xlarge
Task: --

Configuration details

Release label: emr-5.28.0
Hadoop distribution: Amazon 2.8.5
Applications: Hive 2.3.6, Livy 0.6.0, Spark 2.4.4
Log URI: s3://my-test-bucket-hfps/ [File](#)
EMRFS consistent: Disabled
view:
Custom AMI ID: --

Security and access

Key name: emr-cluster
EC2 instance profile: EMR_EC2_DefaultRole
EMR role: EMR_DefaultRole
Auto Scaling role: EMR_AutoScaling_DefaultRole
Visible to all users: All [Change](#)
Security groups for [sg-e72b65b2](#) (default)
Master:

Power X Apres X Grupo X https X https X Corre X AWS X Work X EMR X Histor X Home X test-n X ABD/S X + console.aws.amazon.com/elasticmapreduce/home?region=us-east-1#cluster-details:j-22TTAOP42KEQM ☆ ABP G +

AWS Services Resource Groups ▾ Clone Terminate AWS CLI export

Amazon EMR Clusters Security configurations Block public access VPC subnets Events Notebooks Git repositories Help What's new

Cluster: My cluster Waiting Cluster ready after last step completed.

Summary Application history Monitoring Hardware Configurations Events Steps Bootstrap actions

Connections: Enable Web Connection – Spark History Server, Resource Manager ... (View All) C

Master public DNS: ec2-54-165-35-45.compute-1.amazonaws.com SSH

History service

Tags: This cluster has Termination Protection on. You must turn off termination protection to proceed.

Summary

Termination protection: Off [Change](#)

Any pending work or data residing on the cluster will be lost, such as data stored in HDFS. This action is irreversible.

Cancel **Terminate**

Network and hardware

Availability zone: us-east-1d Subnet ID: subnet-61020a4f [Edit](#)

Master: Running 1 m5.xlarge Core: Running 2 m5.xlarge Task: --

Security and access

Key name: emr-cluster EC2 instance profile: EMR_EC2_DefaultRole

EMR role: EMR_DefaultRole Auto Scaling role: EMR_AutoScaling_DefaultRole

Visible to all users: All [Change](#)

Security groups for sg-e72b65b2 [Edit](#) (default)

Master:

Feedback English (US) © 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use emr-cluster.pem ^ Mostrar todas X

Final considerations

- The cluster do not keep your work. Once you terminate the cluster your information will not be saved.
- The notebooks and the Dataset will be saved in S3.
- Once your credits is over all the information in the account will disappear even the one saved in S3.
- After you terminate the cluster you must create a new one from the beginning or clone the existing. This happens because we don't have a permanent cluster.

Thanks!