

UNIVERSIDADE FEDERAL DO CEARÁ

Campus Quixadá

Curso: Redes de Computadores

Disciplina: Administração de SO Windows

Aula extra – Introdução à Amazon AWS e ao Programa AWS Educate

Prof. Rafael Braga

Introdução

- O que é a Amazon AWS?
 - Plataforma de serviços web que oferece soluções de computação, armazenamento e rede em diferentes camadas de abstração
 - hospedagem de sites, aplicações empresariais e mineração de dados (inteligência artificial)
 - Serviços básicos: EC2 e S3
 - Datacenters espalhados pelo mundo inteiro
- AWS é uma nuvem pública
 - Qualquer um pode ter acesso
 - Tem como base uma estrutura de laaS, mas também há serviços PaaS e SaaS

Como conseguir acesso gratuito a AWS?

- Antes de falar da nuvem, como conseguir o acesso?
- Existem três maneiras
 - Nível gratuito
 - Usando créditos do programa AWS Educate
 - Fazendo parte de uma sala de aula no programa AWS Educate
- Qualquer uma das opções é suficiente para boa parte dos casos

AWS Services Supported with



Starter Account

Nível Gratuito

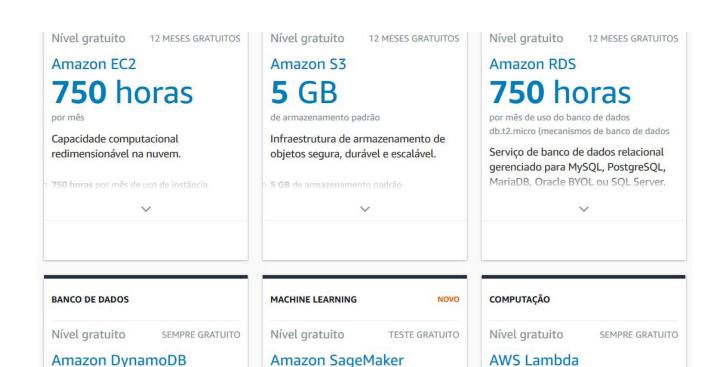
25 GB

transparente.

Banco de dados NoSQL rápido e

flexível, com escalabilidade

- Disponível para qualquer conta criada em https://aws.amazon.com/pt/
- Qualquer indivíduo pode criar a conta básica
- É preciso fornecer um <u>número de</u> cartão de crédito
 - Só será cobrado se passar do limite
 - Em termos de aprendizado, é muito difícil passar do limite (os limites são por mês)
 - 750 horas por mês dá para deixar um servidor ligado todos os dias, por um ano
- Também é preciso fornecer <u>um número</u> de telefone
 - Eles manda um SMS para confirmação
 - Só faça no campus se sua operadora tiver sinal!!!
- Pode usar qualquer endereço de e-mail



250 horas

Plataforma gerenciada para criar,

primeiros dois meses

Learning

por mês de uso de t2.medium notebook pelos

treinar e implantar modelos de Machine

1 milhão

solicitações gratuitas por mês

computacionais

Serviço de computação que executa o

gerencia automaticamente os recursos

seu código em resposta a eventos e

Usando Créditos do Programa AWS Educate

- Uma vez que tiver a conta da AWS configurada, <u>além do</u> <u>nível gratuito</u>, podemos receber créditos do AWS Educate
 - É necessário já ter uma conta na AWS (pode ser necessário o número AWS Account ID)
 - Você faz o cadastro no AWS Educate
 - https://aws.amazon.com/pt/educati on/awseducate/
 - Educator (Professor): escolher
 Federal University of Ceará como instituição, usar e-mail @ufc.br
 - *Student* (aluno):
 - Escolher Universidade Federal do Ceara – Quixada como instituição, usar e-mail @alu.ufc.br
 - Você receberá um e-mail com um código de créditos para inserir na sua conta.
- Professores recebem US\$ 200 e alunos US\$ 100
- O nível gratuito só dura 1 ano
- Os créditos da AWS são renovados a cada ano



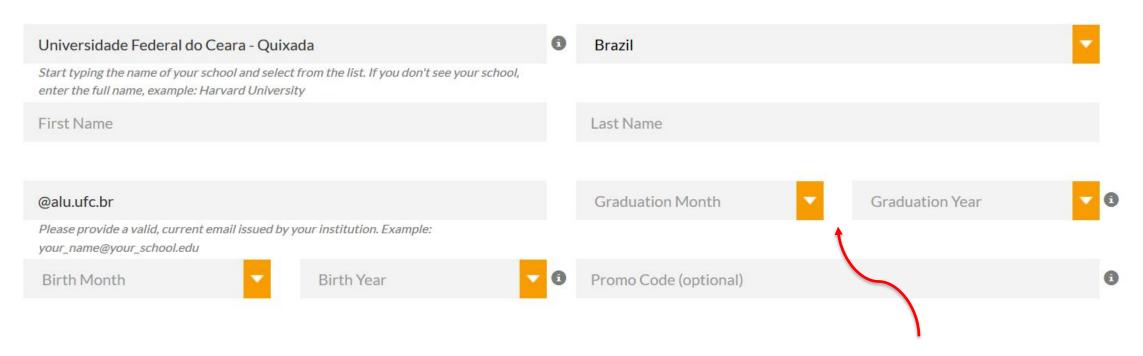
Se requisitar algum documento comprovação, basta enviar um histórico (alunos) ou o site do campus

http://www.quixada.ufc.br/docente (professores)

Usando Créditos do Programa AWS Educate – Informações de Cobrança na Conta da AWS



Usando Créditos do Programa AWS Educate - Aluno



Também forneça o **mês** e o **ano** que você espera de se formar.

Usando Créditos do Programa AWS Educate – Confirmar Submissão

From: AWS Educate Support < support@awseducate.com> Date: Fri, Aug 16, 2019 at 9:20 AM Subject: Email Verification - AWS Educate Application To: Hello Joao, 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 you https://www.awseducate.com/ConfirmEmail?ref=d Thank you, The AWS Educate Team ...

Usando Créditos do Programa AWS Educate – Recebendo os Créditos

10.___

Dear Joao,

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 Educator Collaboration Portal (ECP)

The ECP is the hub for AWS Educate educators around the world to find great content on cloud computing, learn about the program, and interact. <u>Click here</u> to set your password and login to the ECP for the first time. Your username is your email address. After logging in, click AWS Account at the top of the page to access AWS services, whether you entered an AWS ID or selected Starter Account on your application. Note that Starter Accounts are not eligible for AWS Free Tier.

Click here to access the ECP directly in the future after updating your password.

AWS Promotional Credit

It's our pleasure to issue you an Amazon Web Services (AWS) promotional credit code in the amount listed below.

Credit Amount (US): \$200.00 Credit Code: XXXXXXXXXXXXXXXX

Here's how to redeem your promotional credit:

- Step 1: Visit: https://console.aws.amazon.com/billing/home#/credits
- Step 2: Follow the instructions and enter your promo code.

Free AWS Cloud Practitioner Essentials and 50% discount on Instructor-Led Training

To access our foundational AWS Cloud Practitioner Essentials online learning class for free, get your 50% discount on Instructor-Led Training, and find many other self-paced labs, first sign into to your AWS account and then click here.

Once you access the Training and Certification portal, click "Learning Library" and search for "Cloud Practitioner Essentials" to easily locate and enroll in AWS Cloud Practitioner Essentials on-line training. You can also search for instructor-led training and browse the full training catalog. You can access AWS training any time after setting up your account by clicking here.

Salas de Aula no Programa AWS Educate

- A desvantagem das opções anteriores (nível gratuito ou créditos da AWS Educate) é a necessidade uma conta da Amazon (cartão de crédito)
- Um professor já cadastrado no AWS Educate pode criar Salas de Aula (classrooms) para os alunos
 - Os alunos não precisam de cartão de crédito, apenas um e-mail institucional (@alu.ufc.br)
 - O acesso é mais restrito do que no nível gratuito, mas suficiente para aprender a usar a nuvem
- O professor cadastra o e-mail do aluno, que recebe um e-mail de confirmação.

Salas de Aula no Programa AWS Educate – E-mail de Confirmação

AWS Educate Support <support@awseducate.com>

sáb, 31 de ago 14:10 (há 1 dia

para eu 🔻

XA inglês ▼ > português ▼ Traduzir mensagem

Desa

Hi -

Your educator has invited you to join AWS Educate and access a "Classroom" for your course work. A "Classroom" is a hands-on learning environment for you to access AWS services and practice AWS. fees to access a Classroom.

Classrooms are managed by a third-party content and service provider, Vocareum ("Third-Party Content Provider"), and use of the Classroom feature is governed by the Third-Party Content Provider's terr (including its Privacy Policy) in addition to the AWS Educate Terms and Conditions.

If you accept the Classroom invitation, the Third-Party Content Provider may allow your educator to view your Classroom account and activity, including the AWS console in your Classroom account, the nu instances running and any Content running in the services, and your access activity.

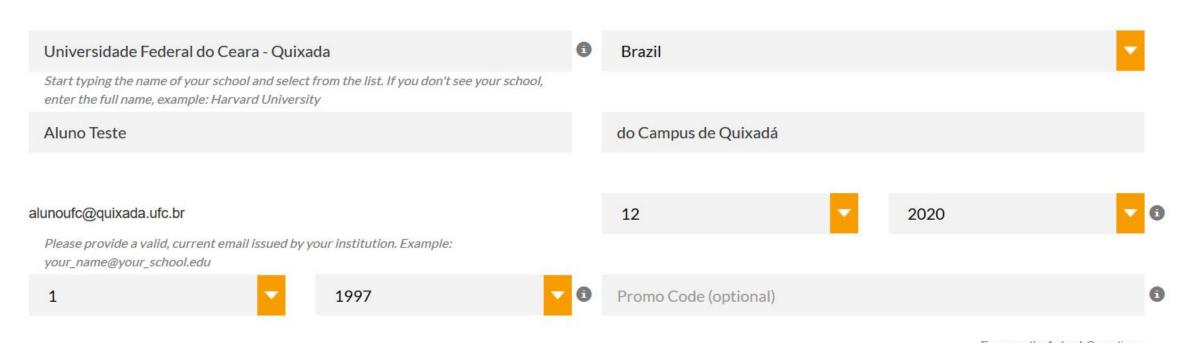
Click <u>here</u> to complete the AWS Educate application process, accept your Classroom invitation and receive access to program benefits, including cloud career learning pathways and AWS Educate Promo Starter Account, where applicable.

If you do not wish to proceed, ignore this email.

Thank you,

AWS Educate

Salas de Aula no Programa AWS Educate – Formulário



Frequently Asked Questions

Salas de Aula no Programa AWS Educate – Formulário

communications and notices made or given pursuant to this Agreement must be in the English language. If we provide a translation of the English language version of this 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 /?nodeld=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.





Salas de Aula no Programa AWS Educate – E-mail de Verificação

Hello Aluno Teste,

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=884ebc283a3f9820883924cafc8fd552

Thank you,

The AWS Educate Team

Clique no link, que sua inscrição será analisada. Esse processo pode levar horas ou dias.

Salas de Aula no Programa AWS Educate – E-mail de Aprovação



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 and 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!

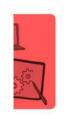
Good luck with your continued studies,

The AWS Educate Team

Salas de Aula no Programa AWS Educate – Criando a Conta

ing over 18 million
Analytics). AWS
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Educate Job Board.
or through online
he pathway to your













Salas de Aula no Programa AWS Educate – Criando a Conta



I'd like to use an AWS Educate Starter Account

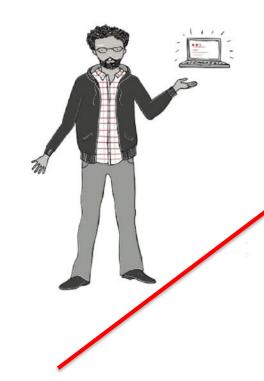
Choose an AWS Educate Starter Account to receive access to an AWS account with a preset limit on your spend on AWS services. An AWS Educate Starter Account is run and managed by a third party (Vocareum, Inc.) and the Starter Account runs in the Vocareum's environment on AWS. Starter Accounts are subject 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 AWS Educate member institution will receive up to \$75 (US) of AWS credit per year in their AWS Educate Starter Account, and students at non-member institution will receive up to \$30 (US) 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 exceed 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



AWS Educate Starter Account

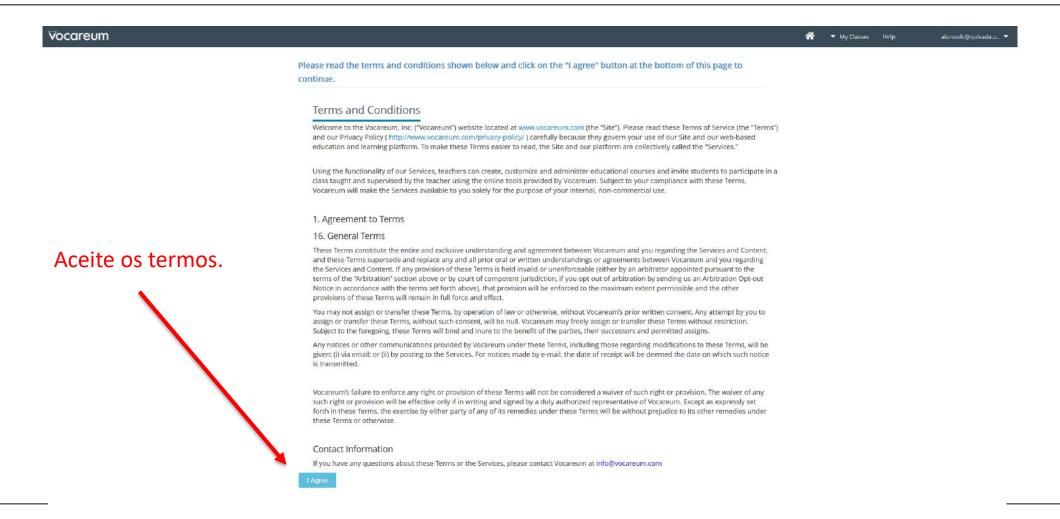
Your cloud journey has only just begun. Use your AWS Educate Starter Account to access the AWS Console and resources, and start building in the cloud!

AWS Educate Starter Account

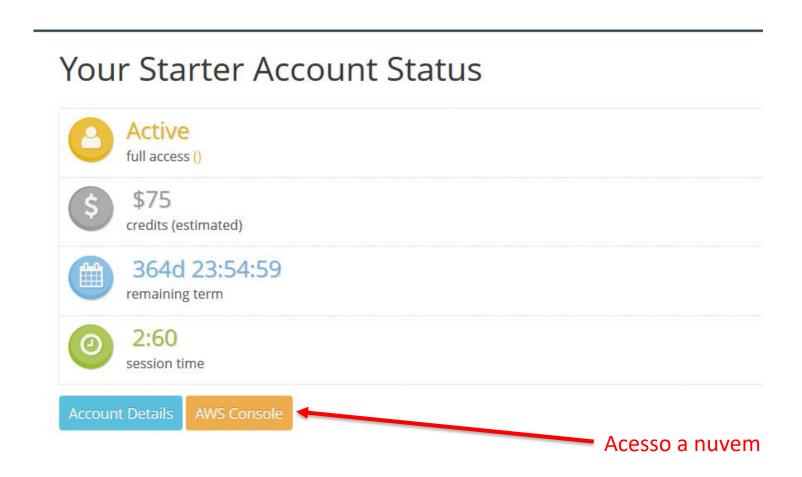
Your account has an estimated **75** credits remaining and access will end on **Aug 31, 2020**.

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.

Salas de Aula no Programa AWS Educate – Criando a Conta



Salas de Aula no Programa AWS Educate – Acessando a Conta



Salas de Aula no Programa AWS Educate – Retornando à Conta

- 1. https://www.awseducate.com/signin/SiteLogin
- 2. Forneça e-mail e senha
- 3. Escolha AWS Account no menu superior
- 4. Clique em AWS Educate Starter Account
- 5. Novamente, vá em AWS Console

Criação de Conta - Concluindo

- É mais trabalho usar a nuvem através da opção Sala de Aula
- Se você realmente quer aprender, e tiver um cartão de crédito, crie a conta no nível gratuito e recupere os créditos da AWS Educate
- Desde 2015 sou usuário e até agora não tive uma única cobrança no cartão de crédito
- É fácil verificar o custo, pois o mesmo é calculado por hora

Conclusão

 Meus agradecimento ao Prof. João Marcelo por disponibilizar os slides.