

INSTITUTO FEDERAL

São Paulo

Câmpus Campinas

Atividade prática: AWS+RDS e Google Data Studio Parte 1

D1STO - Storytelling com Dados

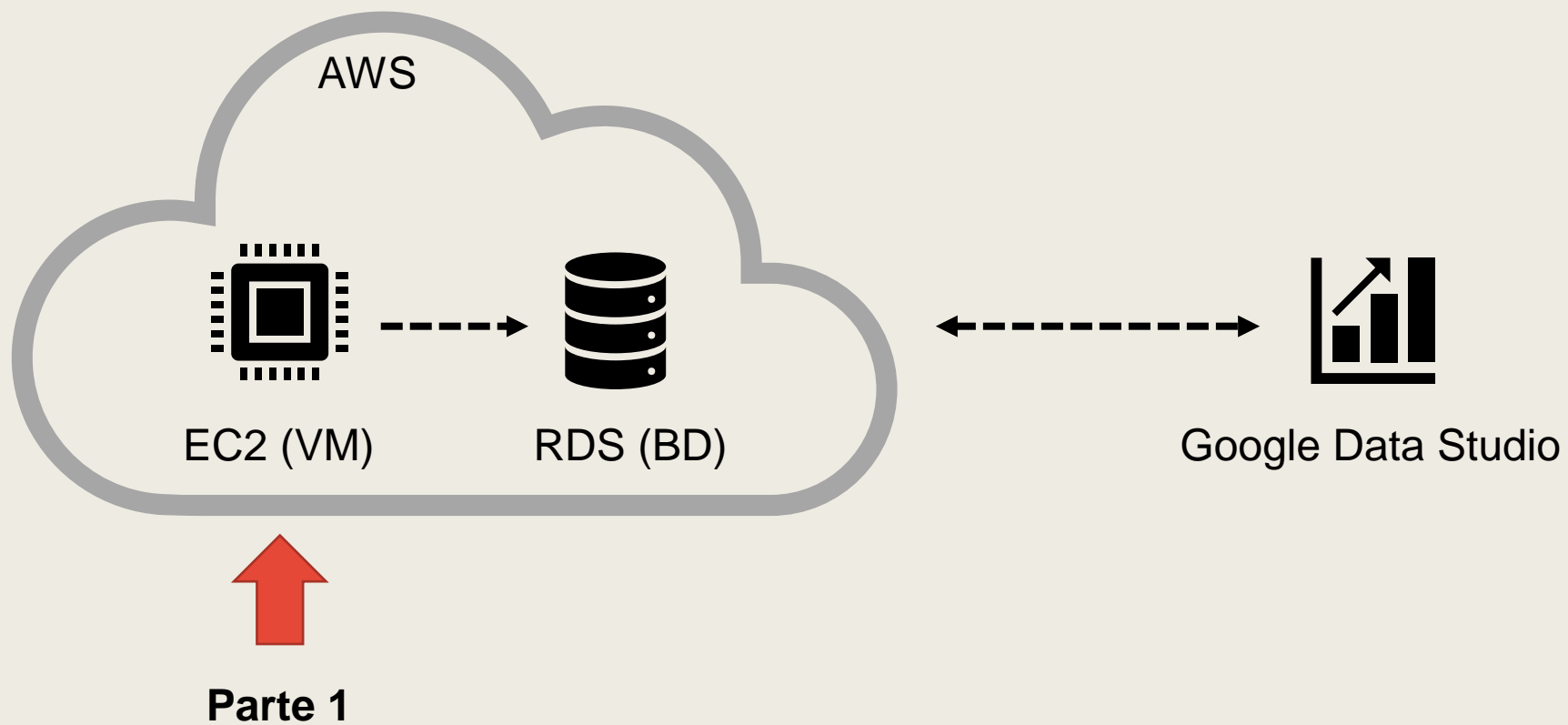
Especialização em Ciência de
Dados



Objetivos

- Participar do AWS Educate com uma Starter Account
- Visualizar os serviços oferecidos
- Criar uma VM Linux

Arquitetura



Roteiro

- Instalar os aplicativos de conexão
- Inscrever-se no AWS Educate
- Acessar o console AWS
- Criar uma VM Linux
- Conectar à VM Linux

Instalar os aplicativos de conexão

- Instalar o PuTTY (<https://www.putty.org/>)
- Instalar o WinSCP (<https://winscp.net/eng/download.php>)

Instalá-los utilizando a configuração padrão

Inscriver-se no AWS Educate

- Professor enviou convite previamente
- Acesse o link do e-mail e realize seu cadastro, utilizando somente o **e-mail institucional**

Your AWS Educate Application

1 mensagem

AWS Educate Support <support@awseducate.com>
Para: "cp13501x@ifsp.edu.br" <cp13501x@ifsp.edu.br>

19 de março de 2021 14:50

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. There are no costs or 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 terms and conditions (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 number of EC2 instances running and any Content running in the services, and your access activity.


Click [here](#) to complete the AWS Educate application process, accept your Classroom invitation and receive access to program benefits, including cloud career learning pathways, access to AWS resources and promotional credit through the AWS Educate Starter Account, and access to the AWS Educate Job Board, where applicable.

Please apply using the link above to accept this invitation. If you do not wish to proceed, ignore this email.

Thank you,

AWS Educate




Apply to join AWS Educate

Step 2/3: Tell us about yourself

Instituto Federal de Educacao Ciencia e Tecnologia de Sao Paulo (IFSP)

Country

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

First Name

Last Name

cp13501x@ifsp.edu.br

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

Graduation Month

Graduation Year

Birth Month


Birth Year

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.

☐ Não sou um robô


hCAPTCHA
Privacidade - Termos

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

Acessar o console AWS

- www.awseducate.com
- No menu **My Classrooms** clique em **Accept Invitation** para fazer parte da disciplina e utilizar os US\$100 de créditos adicionais



The screenshot shows the AWS Educate user interface. At the top, there's a navigation bar with the AWS Educate logo and links for My Classrooms, Portfolio, Career Pathways, Badges, Jobs, AWS Account, and Logout. Below this, a user profile bar for Andreiuid Correa shows statistics: Consecutive Days: 2, Pathways Completed: 0, and Badges Earned: 0. A dropdown for Preferred Language is set to English. The main section is titled 'My Classrooms' with a subtitle: 'View your list of Classroom invitations and accept or decline the invitation. Access a Classroom by clicking Go to my classroom.' Below this is a table with the following columns: Course Name II, Description, Educator II, Course End Date II, Credit Allocated Per Student II, and Status. A single row is visible for the course 'Storytelling com Dados', described as a development of essential skills for data scientists. The educator is Andreiuid Correa, the end date is 12/31/2021, and the credit allocated is \$100. To the right of the row are two buttons: 'Accept Invitation' (green) and 'Decline' (grey).

Course Name II	Description	Educator II	Course End Date II	Credit Allocated Per Student II	Status
Storytelling com Dados	Desenvolvimento de habilidades essenciais à formação do cientista de dados para trabalhar com informações numéricas com eficácia, eficiência e efetividade. Buscar a compreensão dos diferentes meios de apresentação dos dados para engajar o público certo, utilizando práticas, técnicas e abordagens para potencializar a comunicação das informações numéricas. Experimentação das diferentes formas de comunicação, ponderando a quantidade e a importância dos dados apresentados. Orientação sobre os princípios éticos na comunicação dos dados e aspectos legais sobre a proteção dos dados pessoais.	Andreiuid Correa	12/31/2021	\$100	<button>Accept Invitation</button> <button>Decline</button>

- Ou clique no menu AWS Account clique em **AWS Educate Starter Account**
- Ao iniciar a sessão, clique em **AWS Console**
- Navegue pelos serviços desejados

Criar uma VM Linux

- Por meio do serviço EC2, crie uma VM Linux utilizando a opção free tier (grátis)
- Lembre-se de criar um novo certificado e guardá-lo em local de fácil acesso
- Utilizando o PuTTYgen, converta o arquivo de certificado do formato *.pem para *.ppk. Guarde o arquivo em local de fácil acesso
 - Verifique no menu Key/Parameters for saving key files... se a versão do PPK é a 2 (e não 3 como vem por padrão)
- No console de instâncias EC2, lembre-se de anotar o endereço de conexão (DNS IPv4 público)

Conectar à VM Linux

- Utilizando o PuTTY, digite o endereço de conexão anotado do passo anterior
- Informe o caminho do arquivo de certificado (*.ppk) na opção de menu Connection/SSH/Auth, campo “Private key file for authentication”
- Sugere-se salvar a conexão no PuTTY para ser aproveitada posteriormente na Parte 2 (WinSCP)
- Faça a conexão