

Sistemas Operacionais

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Introdução

- Um computador moderno consiste em:
 - Um ou mais processadores
 - Memória principal
 - Discos
 - Impressoras
 - Vários dispositivos de entrada/saída
- A gestão de todos estes componentes requer uma camada de software - o **Sistema Operacional**

Introdução

- Para dar apoio ao SO, alguns aspectos devem ser levados em consideração

Processos

Espaços de endereços

Arquivos

Entrada/saída

Proteção

Shell

Memórias

Hardware de proteção

Discos

Memória virtual

- No contexto atual, alguns desses aspectos já não são pensados em termos de computadores solitários

Utilização comum

- Sistemas Operacionais são a base de operação fundamental em termos de infraestrutura. Conectando aplicações e equipamento, existem várias áreas de aplicação:
 - Mainframes
 - Servidores
 - Distribuídos
 - Computadores pessoais
 - Portáteis
 - Incorporados (Embbded)
 - Robótica
- Em algumas dessas aplicações, é possível ligar esses computadores para compartilhar recursos

Situação no Mercado - Produtos

Mainframe



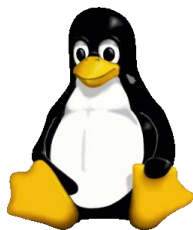
Uso pessoal



Portátil



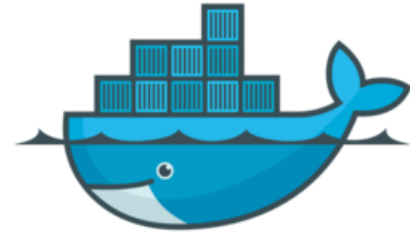
Servidores, embarcados, distribuídos



Robótica



Situação no Mercado - Produtos



docker



Situação no Mercado - Utilização

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- ☐ Microsoft Teams
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- ✓ ☒ Windows

Certification Types

- ☐ Fundamentals
- ☐ MCE
- ☐ MCSA
- ☐ MCSE
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Exam98-349

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MCSA: Windows Server 2016

Exam70-740, 70-741, 70-742

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Azure • Administrator • Intermediate



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Situação no Mercado - Utilização

RED HAT CERTIFICATION

Red Hat Certified Architect

A Red Hat® Certified Architect (RHCA) is a Red Hat Certified Engineer (RHCE®), Red Hat Certified Enterprise Microservices Developer (RHCEMD), or Red Hat Certified Cloud-native Developer (RHCCD) who has attained our highest level of certification by passing—and keeping current—five additional certifications chosen from the system administrator and developer lists.

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Linux Foundation Certified IT Associate (LFCA)

The Linux Foundation Certified IT Associate (LFCA) exam demonstrates a user's expertise and skills in fundamental information technology functions, especially in cloud computing. It is ideal for those getting started in an IT career as an administrator/engineer.

★★★★☆ 3.3/5 Stars



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The Linux Foundation Certified System Administrator (LFCS) exam is ideal for candidates looking to validate their Linux system administration skill set.

PLEASE NOTE: Upcoming program changes for LFCS coming late-January 2023. Please check [here](#) for updates.



\$395

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Situação no Mercado - Utilização



System Administrator (Remote position, only for EU citizens)
Penguin Formula
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Há 2 dias · 4 candidaturas · [Candidatura simplificada](#)

System Administrator (Remote position, only for EU citizens)
Penguin Formula · Lisboa, Lisboa, Portugal (Remoto)
updated with 10 provide

[Candidatura simplificada](#) [Salvar](#) ...

Releases

- Create, review and update documentation
- Ensure timely and controlled deployments in productions

Qualifications

- English (fluent)
- Modern desktop administrator certifications MD-100, MD-101
- Experience on:
- Windows 10
- Active directory design and architecture review
- Exchange 2010-2013
- DFS
- SCCM
- WSUS
- Windows Server 2008/2012
- Microsoft 365
- Azure Cloud
- Intune/ endpoint manager
- Incident manager


Additional Information

SYSADMIN LINUX / RED HAT (remoto Brasil)

iTRecruiter · Lisboa, Lisboa, Portugal (Remoto) há 1 mês · 17 candidaturas

 Tempo integral

 1-10 funcionários · Serviços de recursos humanos

 Veja como você se compara a 17 candidatos. [Experimente o Premium grátis](#)

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SYSADMIN / LINUX

Consultoria portuguesa contrata para trabalho remoto, com transferência para Portugal

SysAdmin

Linux

Certificado Red Hat

LPI

Diogo - CN

Casos de Uso

Significant enterprise savings

Sustainable open source at the lowest cost, everywhere.

Rethink what's possible with Linux and open source.

Companies engage Canonical to drive down open source operating costs. Automate everything: multi-cloud operations, bare metal provisioning, edge clusters and IoT.



- ✓ No mandatory subscriptions for Ubuntu
- ✓ Security, support and fully managed infra and apps
- ✓ Public cloud, data centre, edge cluster and appliances
- ✓ Long term maintenance commitment
- ✓ Transparent pricing for enterprise and ISV
- ✓ Switch from VMware to OpenStack
- ✓ TCO analysis of Open Infra
- ✓ [451 study on private/public cloud costs](#)

Let's talk open source ›

Casos de Uso

Ubuntu Core in industrial applications

Bosch Rexroth reinvents automation

Bosch adopts Ubuntu Core and snaps for app-based ctrl-X industry 4.0 platform. ctrlX AUTOMATION leverages Ubuntu Core, designed for embedded devices, and snaps - the universal Linux application containers - to deliver an open source platform that removes the barriers between machine control, IT and OT.

[Bosch Rexroth adopts Ubuntu Core and snaps >](#)



Rigado cuts customers' time to market with Ubuntu Core

In the fast-paced world of IoT, being able to reduce time-to-market is a priority. Rigado's core mission is to provide scalable and secure infrastructure for their customers' commercial IoT deployments.

[Rigado cuts customers' time-to-market with Ubuntu Core and AWS >](#)



Casos de Uso



L'Oréal rapidly deploys Windows 11 Enterprise, enhancing productivity and security

L'ORÉAL

October 12, 2022

Print

For more than 100 years, L'Oréal has focused on providing the best beauty products on the planet for quality, efficacy, and safety. Delivering on that mission has made L'Oréal the largest cosmetics brand in the world, with an annual revenue of €29.8 billion. Maintaining that success requires constant investment in beauty tech such as AI-powered skin diagnostic tools and 3D-printed packaging. "We're always striving to change the future of beauty, which means going beyond products to improve experiences and services for our customers," says Guillaume Pires, Global Modern Workplace Director at L'Oréal. "With Windows 11 Enterprise, we can deliver a more secure environment to protect our innovations and support our employees with innovative experiences so they can do their best work."

Learn More

[Windows 11 Enterprise](#)

[Microsoft Intune](#)

[Windows 11 2022 Update blog post](#)



Hakutsuru Sake enhances hybrid work with Dynabook Windows 11 Pro devices

October 26, 2022

Print



 dynabook

Hakutsuru Sake Brewing has been creating fine sakes in Nada, Japan, since 1743. Named for the graceful white crane, the company combines its traditional techniques and recipes with innovative technology to evolve its products, making it the number one exported sake. Hakutsuru recently upgraded to Dynabook laptops powered by Windows 11 Pro to better support its hybrid work environment and increase security for its global workforce.

Cenário

- Transição de uma equipe de Administradores de Sistemas local para nuvem, com certificação
- Equipe também é responsável pelo BD em SQL
- 2 analistas, sem custos locais além dos descritos (já tem disponível tudo que é necessário)

Cenário

Estimativa [Editar](#) [Export](#) [Compartilhar](#)

Resumo da estimativa [Informações](#)

Custo inicial: 0,00 USD

Custo mensal: 155,34 USD

Custo total de 12 months: **1.864,08 USD**
Inclui um custo inicial

Conceitos básicos da AWS

[Entre em contato com a equipe de vendas](#)

[Faça login no console](#)

Minha estimativa [Duplicar](#) [Excluir](#) [Mover para](#) [Criar grupo](#) [Adicionar suporte](#) [Adicionar serviço](#)

<input checked="" type="checkbox"/>	Nome do serviço	<input type="checkbox"/>	Custo inicial	Custo mensal	Descrição	Região	Resumo da configuração
<input checked="" type="checkbox"/>	Amazon EC2	<input checked="" type="checkbox"/>	0,00 USD	155,34 USD	-	Leste dos EUA (Ohio)	Sistema operaci...

Brazil

Tech Lead

Courses held in: Belém do Pará

Tv. Dom Romualdo de Seixas, 1476 - Salas
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Brazil

☎ +55 9132229589

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PMGT

Courses held in: Fortaleza

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Cep: 90410-002 - Porto Alegre , RS, Brazil

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✉ contato@fontouraeducation.com.br

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Red Hat Office

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Paulo 04538-132 Brazil

☎ +55 1135296000

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Bandwidth for a current generation instance with less
than 32 vCPUs is limited to 5 Gbps.

1000~5000 usuários simultâneos

400 USD - certificação

2000 BRL - viagem + acomodações

Cenário

- Treinamento
 - 2 certificações – 2 * 400 USD
 - 2 viagens para Belém – 2 * 2000 BRL
- Infraestrutura
 - Amazon EC2 (1 ano) - 1864,08 USD
- Total (Dolár em 5,38)
 - $((1864,08 + (2 * 400)) * 5,38) + 2 * 2000 = \mathbf{18.332,75}$