

Aulas gravadas da disciplina Computação em Nuvem

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Link da playlist completa:

<https://www.youtube.com/watch?v=oHmogv2Ifyl&list=PLyrH0CFXIM5U5HdZEdnTcpTdx52vmlbxZ>

Link para os vídeos individuais:

01A – Motivation – What is the Cloud?

<https://www.youtube.com/watch?v=oHmogv2Ifyl>

01B – Motivation – Drivers of Adoption

<https://www.youtube.com/watch?v=7tSI17COobE>

01C – Motivation – Computing Cluster

<https://www.youtube.com/watch?v=aEZ6pBE4fLA>

01D – Motivation – Clusters in the Cloud

<https://www.youtube.com/watch?v=Y1Gh2K9mTc0>

01E – Motivation – Distributed Applications

<https://www.youtube.com/watch?v=spPlg25AMcA>

02A – Elastic Computing – Virtualization4

https://www.youtube.com/watch?v=rplD_ucXrWY

02B – Elastic Computing – Business Models

<https://www.youtube.com/watch?v=MpbWNEy2veE>

03A – Types of Clouds – Private Clouds

<https://www.youtube.com/watch?v=MO1Dc8Os1YI>

03B – Types of Clouds – Public Clouds

<https://www.youtube.com/watch?v=B5JBp7FGsJ4>

03C – Types of Clouds – Hybrid Clouds and Multi-Cloud

<https://www.youtube.com/watch?v=gXsUyoFI-II>

04A – Infrastructure – Racks and Aisles

<https://www.youtube.com/watch?v=B3OoRGThNcA>

04B – Infrastructure – Pods

https://www.youtube.com/watch?v=sU2J_3RYbFM

04D – Infrastructure – Datacenter Traffic
<https://www.youtube.com/watch?v=k0oBxLS79rg>

04C – Infrastructure – Power and Cooling
<https://www.youtube.com/watch?v=bzCw96Crd0>

04E – Infrastructure – Datacenter Networking
<https://www.youtube.com/watch?v=I2RfosoSUuQ>

04F – Infrastructure – Storage in Datacenters
https://www.youtube.com/watch?v=0zI5_qksqkA

05A – VMs – Software Emulation7
<https://www.youtube.com/watch?v=MNcLpO53sYs>

05B – VMs – Privilege Levels in CPUs
<https://www.youtube.com/watch?v=UevXKIkqsqU>

05C – VMs – Paravirtualization
<https://www.youtube.com/watch?v=GaJd1EX0T9w>

05D – VMs – Full Virtualization
<https://www.youtube.com/watch?v=JcpiAEWzBbo>

05E – VMs – Virtual I/O
<https://www.youtube.com/watch?v=vIXLiY5tqw>

05F – VMs – VMs as Objects
<https://www.youtube.com/watch?v=xx01E7kx52I>

05G – VMs – Hosted Hypervisors
<https://www.youtube.com/watch?v=Pka8Fm3RLQM>

09A – Automation – Automation Contexts
<https://www.youtube.com/watch?v=HU4boXCPGHc>

09B – Automation – Automation in data centers
<https://www.youtube.com/watch?v=MW77atkNAzQ>

09C – Automation – What can be automated?
<https://www.youtube.com/watch?v=5L067zcAjpg>

09D – Automation – Levels of Automation
https://www.youtube.com/watch?v=QaDWPoMIY_A

09E – Automation – Automation Tools
<https://www.youtube.com/watch?v=ndisuL5b5Nk>

10A – Orchestration – What Is Orchestration?6
https://www.youtube.com/watch?v=uS0jUMamU_I

10B – Orchestration – Functionalities

<https://www.youtube.com/watch?v=MC2r-xmQy4k>

10C – Orchestration – Kubernetes

<https://www.youtube.com/watch?v=SSBNxlfVZAc>

10D – Orchestration – Kubernetes Nodes and Control Plane

<https://www.youtube.com/watch?v=4Ckwbvjim3w>

11A – MapReduce – Software for the Cloud

<https://www.youtube.com/watch?v=HZ1kXbrQf8Y>

11B – MapReduce – Data Parallelism

<https://www.youtube.com/watch?v=ey3cJP5nZul>

11C – MapReduce

<https://www.youtube.com/watch?v=qKDpAi3ATNQ>

11D – MapReduce – Distributing Load

<https://www.youtube.com/watch?v=DW3nscykZxE>

11E – MapReduce – Hadoop

https://www.youtube.com/watch?v=Gp604Ct3_Pc

12A – Microservices – Monolithic Applications

<https://www.youtube.com/watch?v=tjhlkGbMA44>

12B – Microservices

<https://www.youtube.com/watch?v=mjK94mm3Zs>

12C – Microservices – Potential Disadvantages

https://www.youtube.com/watch?v=i0WO_hmLVZw

12D – Microservices – Modularization Granularity

<https://www.youtube.com/watch?v=6pxd5UdJwok>

12E – Microservices – Communication

<https://www.youtube.com/watch?v=wrGmdYyE61c>

12F – Microservices – Service Meshes

<https://www.youtube.com/watch?v=jU6ZfRT7Obg>

13A – Controllers – Managing Distributed Systems

<https://www.youtube.com/watch?v=kWRtWn3ivdM>

13B – Controllers – Managing Cloud Applications

<https://www.youtube.com/watch?v=xg2QJA7GBn8>

13C – Controllers – Control Loops

<https://www.youtube.com/watch?v=iy1qeK17QWY>

13D – Controllers – Kubernetes Controllers

<https://www.youtube.com/watch?v=DFC7F0bJU64>

14A – Client-Server Applications

<https://www.youtube.com/watch?v=JDnKx0VYPsA>

14B – Serverless Computing

<https://www.youtube.com/watch?v=UGJiuyUY69s>

15A – DevOps – Software Engineering3

<https://www.youtube.com/watch?v=Gvq00087YwI>

15B – DevOps

<https://www.youtube.com/watch?v=ADoxH7ogHJs>

15C – DevOps – Site Reliability Engineering

<https://www.youtube.com/watch?v=SHSHKWMPYzs>

06A – Containers – Overhead of Vms

https://www.youtube.com/watch?v=rFB_iiyOEek

06B – Containers – Process Management

<https://www.youtube.com/watch?v=5sbac-tJJ5M>

06C – Containers

<https://www.youtube.com/watch?v=zmjlyol55TU>

06D – Containers – Docker3

https://www.youtube.com/watch?v=E_BHjQA557g

07A – Virtual Networks

<https://www.youtube.com/watch?v=ZLmndrhysXI>

07B – Building Virtual Networks

<https://www.youtube.com/watch?v=1mICDEkEnrQ>

07C – Virtual Networks – VXLAN

https://www.youtube.com/watch?v=9_fOEw2APu0

07D – Network Address Translation

<https://www.youtube.com/watch?v=JSSVIGuBBqQ>

07E – Virtual Networks – Management

<https://www.youtube.com/watch?v=a5eoCzDILFI>

08A – Virtual Storage – Storage Interfaces

<https://www.youtube.com/watch?v=2jJC5KvFUy0>

08B – Remote Storage

<https://www.youtube.com/watch?v=2i3BTO7AyVk>

08C – NAS and SAN

<https://www.youtube.com/watch?v=xt18poPZ39A>

08D – Virtual Storage – Cloud Storage Solutions

<https://www.youtube.com/watch?v=p9rllsKCF-c>

16A – Edge Computing – Datacenter Traffic Limitations

<https://www.youtube.com/watch?v=vf8z-WgFOiY>

16B – Edge Computing

<https://www.youtube.com/watch?v=xAsYcWc8r3w>

17A – Security – Intranet Security

<https://www.youtube.com/watch?v=f9XptL6JJYc>

17B – Security in the Cloud

<https://www.youtube.com/watch?v=GcgqXxSOCzY>

17C – Security – End-to-end Encryption

<https://www.youtube.com/watch?v=97ZShho7SPI>

17D – Security – Identity Management

https://www.youtube.com/watch?v=LdcFGk7A_nU

17E – Security – Virtual Private Networks

<https://www.youtube.com/watch?v=hD1bVD5PmRQ>

18A – Managing Complexity in Cloud Applications

<https://www.youtube.com/watch?v=4DTOTg5ZXaY>