



AWS ITALIA REGION OFFICE HOURS

Intelligenza artificiale

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11 Dicembre




The AWS ML Stack – Nuovi servizi

AI SERVICES

HEALTH AI  NEW Amazon HealthLake  Amazon Transcribe Medical  Amazon Comprehend Medical			INDUSTRIAL AI  NEW AWS Panorama + Appliance  NEW Amazon Monitron  NEW Amazon Lookout for Equipment  NEW Amazon Lookout for Vision			ANOMALY DETECTION  NEW Amazon Lookout for Metrics		CODE AND DEVOPS  NEW Amazon DevOps Guru  Amazon CodeGuru			
VISION  Amazon Rekognition	SPEECH  Amazon Polly  Amazon Transcribe <small>+Medical</small>		TEXT  Amazon Comprehend <small>+Medical</small>  Amazon Translate  Amazon Textract			SEARCH  Amazon Kendra	CHATBOTS  Amazon Lex	PERSONALIZATION  Amazon Personalize	FORECASTING  Amazon Forecast	FRAUD  Amazon Fraud Detector	CONTACT CENTERS  Contact Lens  Voice ID <small>For Amazon Connect</small>









ML SERVICES

SAGEMAKER STUDIO IDE

 Amazon SageMaker
 Label data
NEW Aggregate & prepare data
NEW Store & share features
Auto ML
Spark/R
NEW Detect bias
Visualize in notebooks
Pick algorithm
Train models
Tune parameters
NEW Debug & profile
Deploy in production
Manage & monitor
NEW CI/CD
Human review

NEW: SageMaker JumpStart
NEW: Model management for edge devices

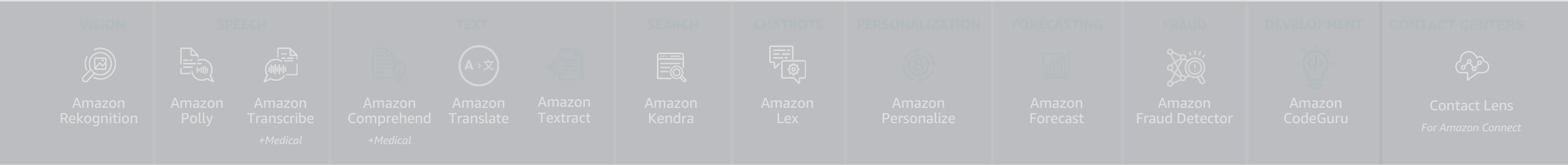
FRAMEWORKS & INFRASTRUCTURE

 TensorFlow  mxnet  PyTorch	 GLUON  Keras  scikit learn  HOROVOD  DeepGraphLibrary
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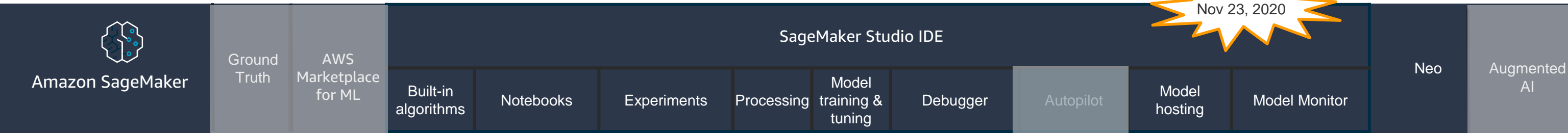
Overview dello Stack di AI/ML di AWS

L'insieme più ampio e complete di funzionalità di Machine Learning

AI SERVICES



ML SERVICES



ML FRAMEWORKS & INFRASTRUCTURE



Amazon SageMaker & SageMaker Studio Notebooks



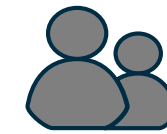
Access your notebooks in seconds



Fully managed and secure



Fast setup



Easy collaboration



Flexible

SageMaker Notebooks

IAM managed account

IAM managed permissions

Start and stop notebook instances from console

Leverage git to collaborate and exchange data

Select compute resources according to your needs

SageMaker Studio Notebooks

Easy access with Single Sign-On (SSO)

Administrators manage access and permissions

Start your notebooks seamlessly

Share notebooks with a single click

Dial up or down compute resources

Domande:

1. Come posso scegliere il taglio delle istanze di SageMaker per i Notebook? E per il training?
2. Ho dei dati memorizzati all'interno di un database / Datalake, come faccio ad accedervi dai notebook di SageMaker?
3. Ho un algoritmo sviluppato in C++, posso utilizzare SageMaker per il training e per il rilascio in produzione?

Custom Container

<https://docs.aws.amazon.com/sagemaker/latest/dg/amazon-sagemaker-toolkits.html>



Training:

<https://github.com/aws/sagemaker-training-toolkit>

Serving:

<https://github.com/aws/sagemaker-training-toolkit>

Thank you