Microsoft

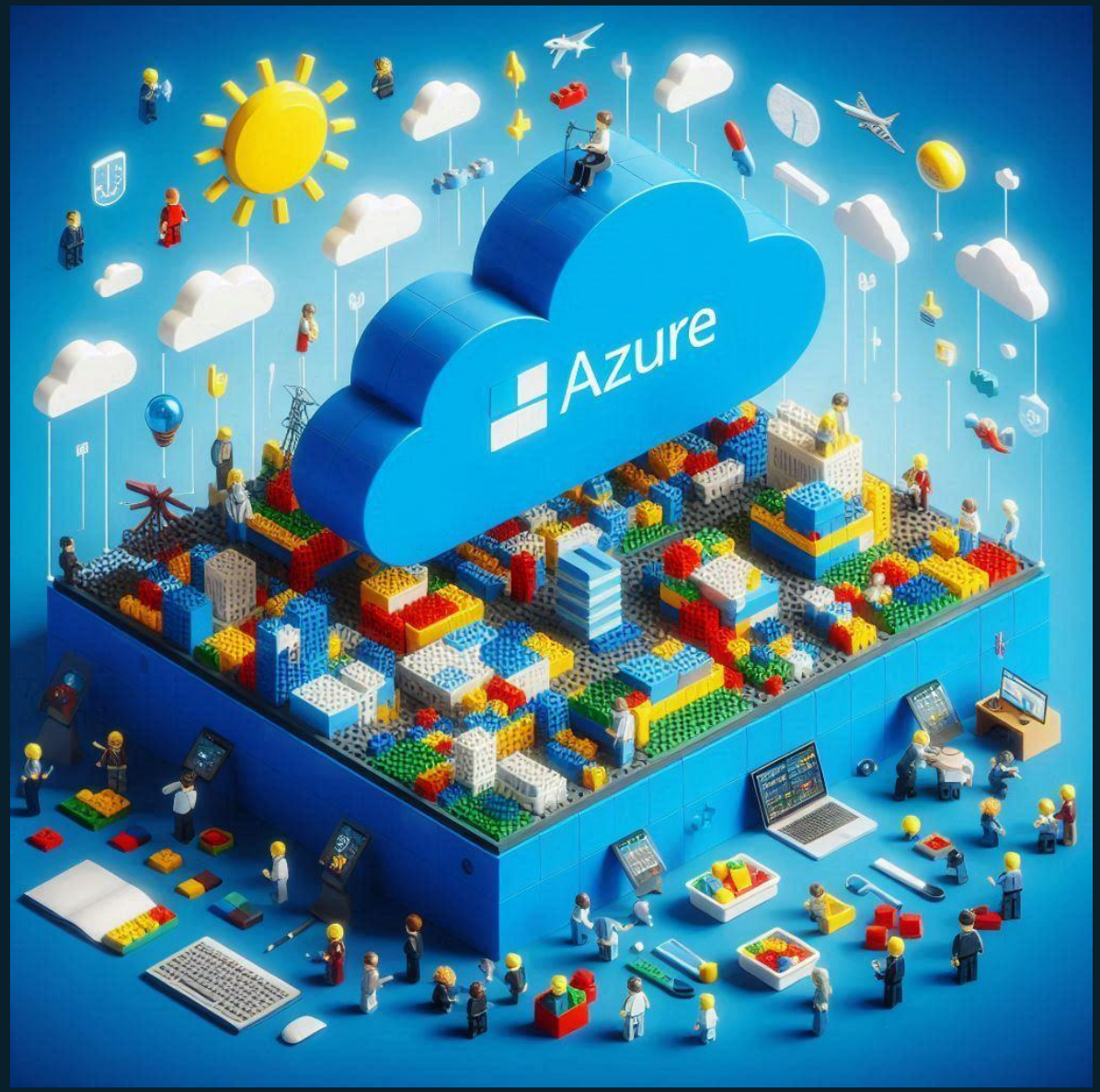
The Power of Being in the Cloud

The Microsoft Vision

Cláudia Filipe
Azure Partner Solution Sales Manager – Microsoft Portugal
Claudia.Filipe@microsoft.com

“If we build technology and put in the hands of people – they will build technology”

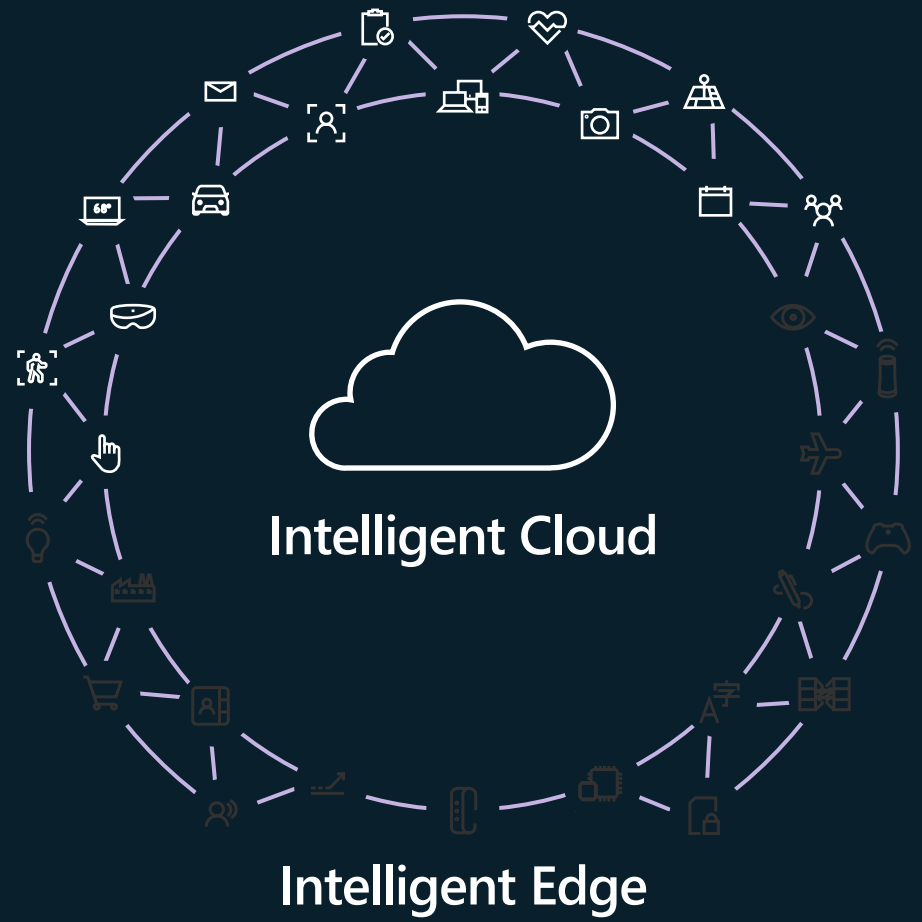
Satya Nadella.



Organization's needs are changing…

1. How to better **control IT costs**?
2. How to protect apps and systems from **cyberattacks**?
3. How to guarantee **business continuity**?
4. How to **reinvent the business** to stay ahead?
5. How to enable remote work while ensuring **productivity**?
6. How to contribute to a more **sustainable infrastructure**?

The power of a hybrid model



"The ability for customers to embrace both public cloud and local datacenter, plus edge capability, is enabling customers to improve their IT agility and maximize efficiency.

Hybrid cloud is evolving from being only the integration of a datacenter with the public cloud, to becoming units of computing available at the edge, including even the world's most remote destinations, working in concert with public cloud"

—Satya Nadella, CEO Microsoft

Top reasons for choosing hybrid

- Maintain tight integration between cloud and on-premises
- Improve IT agility and speed up software development
- Operate in remote locations or with intermittent connectivity
- Meet specific regulatory and policy requirements
- Speed up time to results by processing data close to its source
- Modernize outdated systems

73% of organizations have a hybrid strategy

89% of organizations have a multi-cloud strategy

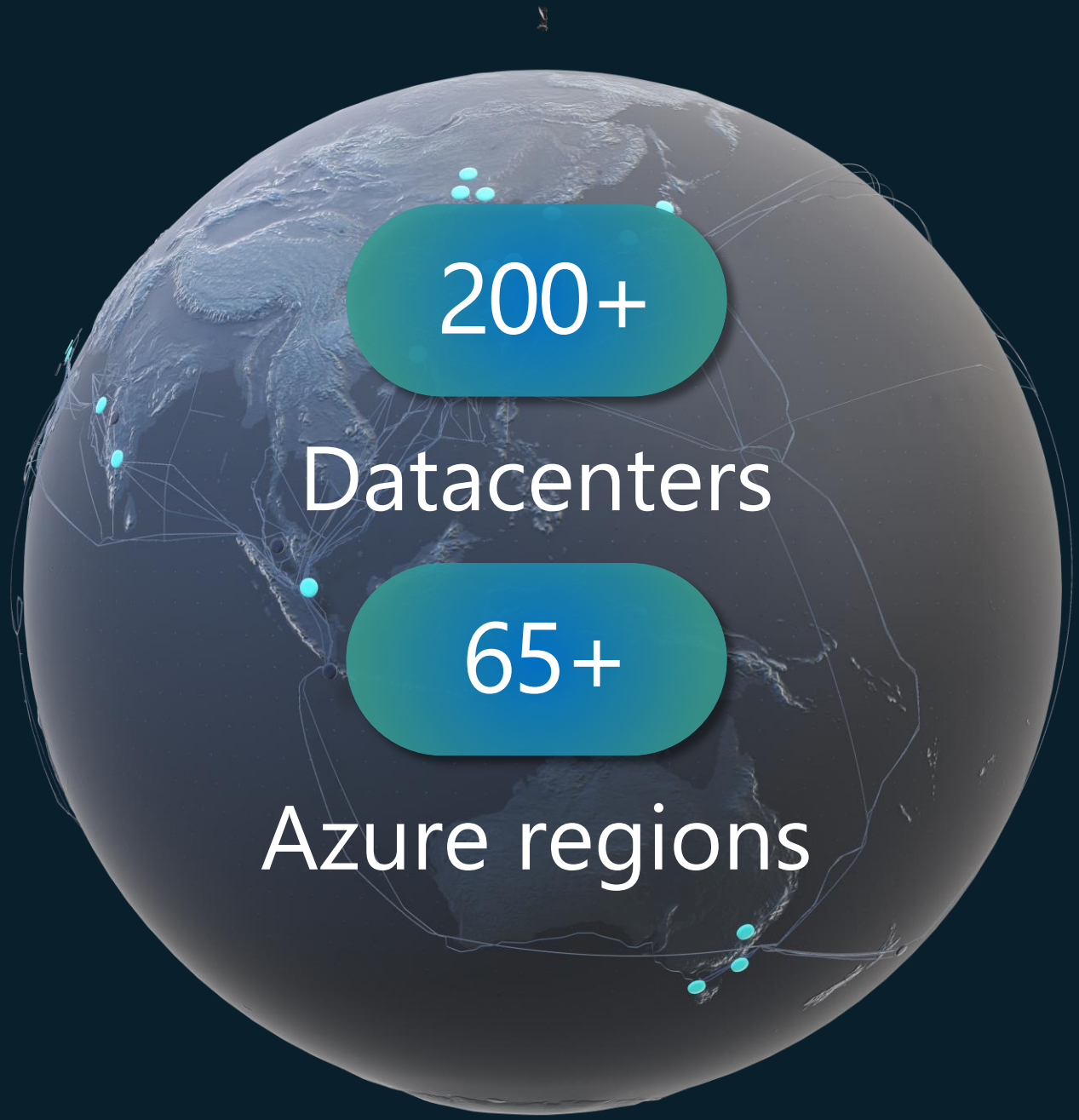
80% YoY Azure adoption rate for all organizations

67% YoY Azure adoption rate for SMB organizations

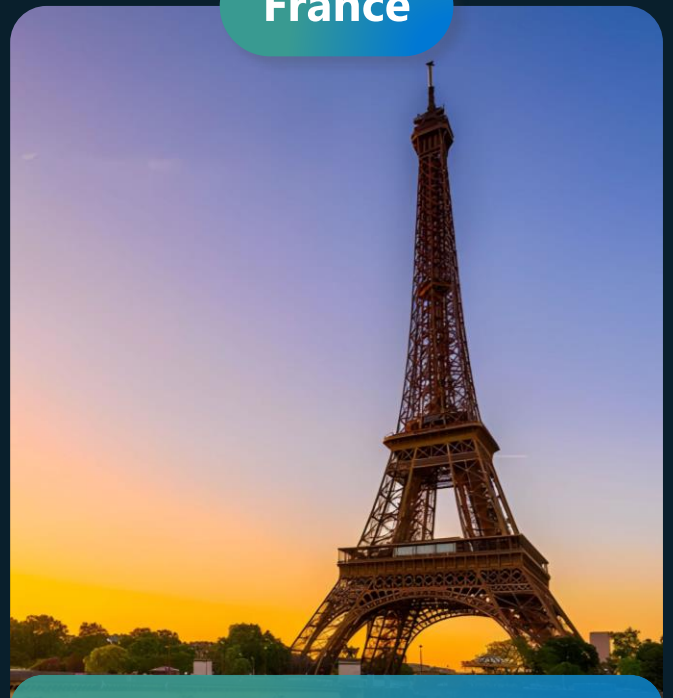
Source: 2024 State of the Cloud Report | Flexera

What can you get from cloud services?

1. Scalability
2. Availability
3. Security & Compliance
4. Sustainability
5. Capacity optimization
6. OPEX Pricing Model
7. Increased productivity
8. AI Ready


200+
Datacenters
65+
Azure regions

France



Largest investment to date to accelerate the adoption of AI, skilling, and innovation

Wisconsin

$3.3B investment to spur AI innovation and economic growth

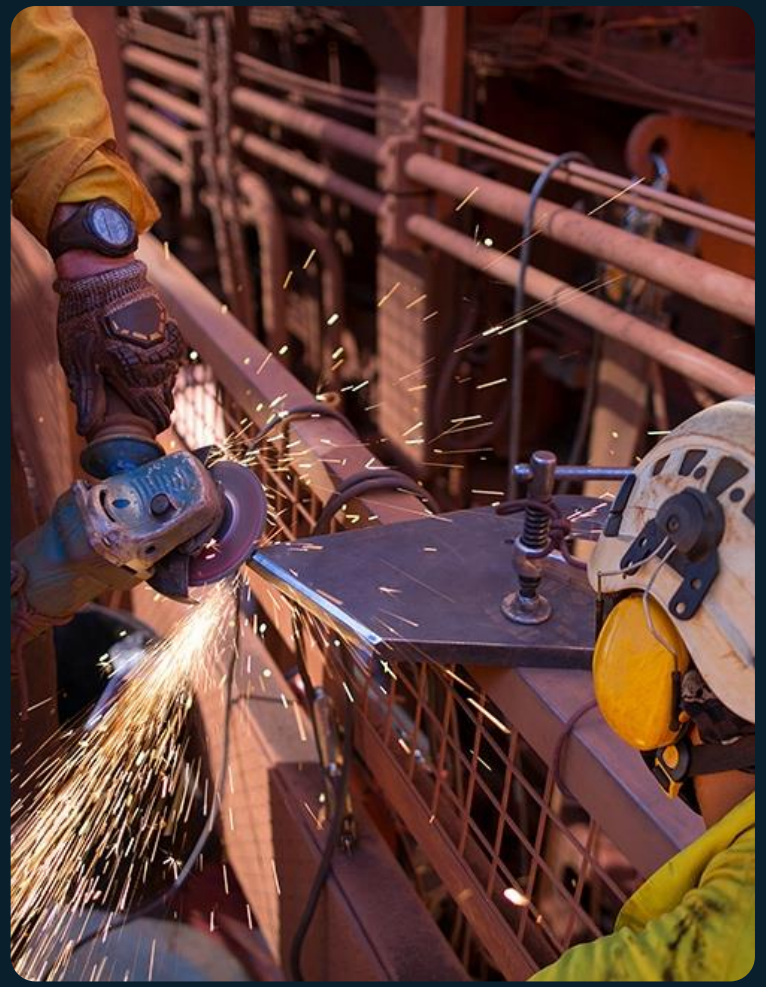
Mexico

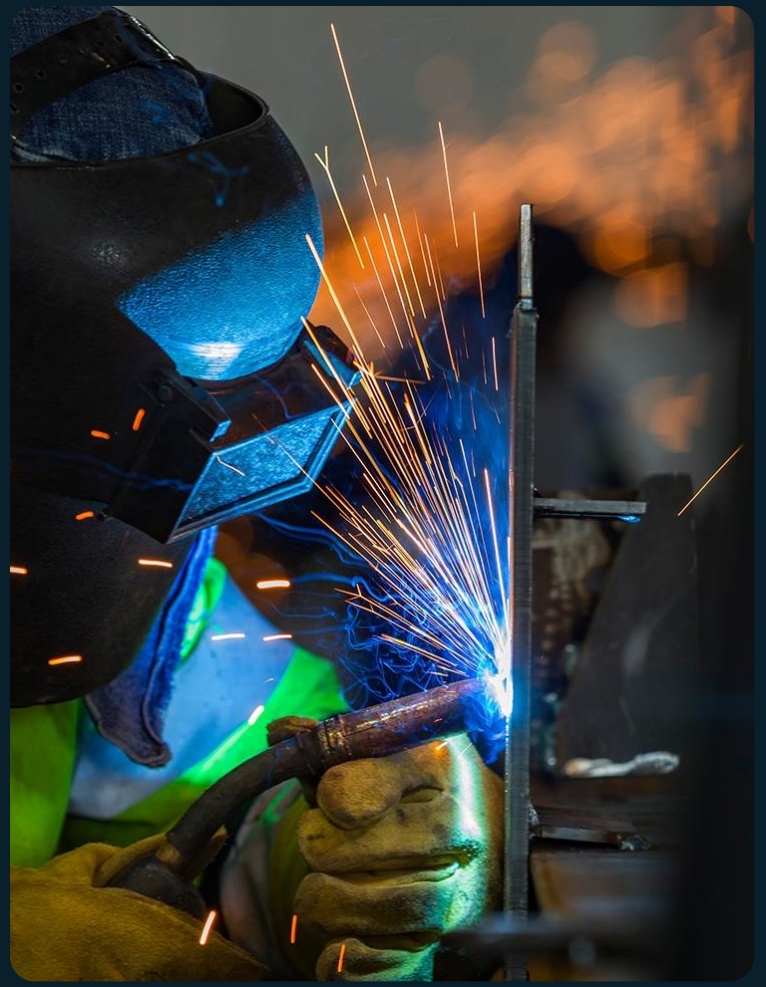
First hyper-scale cloud datacenter region

Malaysia

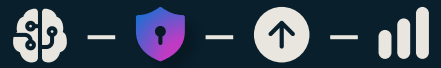
US$2.2B investme to fuel cloud and AI transformation

Enough cables to wrap around the planet 5x





100,000 construction personnel in 2024



Azure is a code to cloud security platform

Foundational security to cloud-native workload protection

10,000+
full-time security professionals

65 trillion
global signals daily

$20 billion
in security investment over the next 5 years

100+ compliance certifications
leader in the cloud industry

Azure compliance documentation | Microsoft Learn

O nosso compromisso com a segurança

Microsoft renova certificação de segurança junto do Gabinete Nacional de Segurança para serviços Cloud

Nov 4, 2022 | Microsoft Portugal News Center

PRESIDÊNCIA DO CONSELHOS DE MINISTROS
AUTORIDADE NACIONAL DE SEGURANÇA

CERTIFICADO DE CONFORMIDADE

Microsoft CLOUD AZURE

Ao abrigo do disposto na alínea f) do n.º 2 do artigo 4.º do Decreto-Lei n.º 3/2012, de 16 de janeiro, na sua redação atual, certifico que a plataforma Microsoft Cloud Azure Infrastructure-as-a-Service (IaaS), cumpre os requisitos nacionais de segurança definidos para serviços de Cloud que processam informação classificada na marca e grau NACIONAL RESERVADO.

Esta certificação é válida para recursos hospedados na União Europeia, desde que configurados com autenticação multi-fator para todas as contas. O acesso ao Azure IaaS deve ser condicional e configurado *just-in-time*, através de uma firewall, e com recurso a serviços de gestão de vulnerabilidades e ameaças, bem como com proteção contra ataques de negação de serviços distribuídos (DDoS). Deve ser feita a cifra de dados em trânsito e em repouso, utilizando cofres de chaves dedicados para as chaves criptográficas e certificados, tendo estes últimos uma validade máxima de um ano. Uma infraestrutura de máquinas virtuais com capacidades de computação confidencial também deve ser utilizada, de forma a proteger a informação classificada processada, incluindo dados relacionados com registos de auditorias e outros eventos de segurança. A utilização de modelos de Inteligência Artificial (AI) deve ser feita através do Azure OpenAI.

Sem prejuízo de outras obrigações de reporte de incidentes no âmbito da cibersegurança, pela presente certificação a MSFT - Software para Microcomputadores, Lda., com sede na Rua do Fogo de Santelmo, lote 02.07.02, Parque das Nações, 1990-110 Lisboa, registada na Conservatória do Registo Comercial de Cascais com o número único de matrícula e de identificação de pessoa coletiva 502586745 e com o capital social 331.701€. , fica obrigada a reportar informações sobre incidentes de segurança, incluindo indicadores de comprometimento, um ponto de contato e qualquer outra informação relevante com a Autoridade de Segurança Nacional dentro de um período máximo de duas horas.

O presente certificado é válido até 12 de Março de 2026.

Lisboa, 12 de Setembro de 2024

A Autoridade Nacional de Segurança
António José Gameiro Marques
Digitally signed by António José Gameiro Marques
Date: 2024.09.12 14:00:02 +01'00'
(António Gameiro Marques)

PRESIDÊNCIA DO CONSELHOS DE MINISTROS
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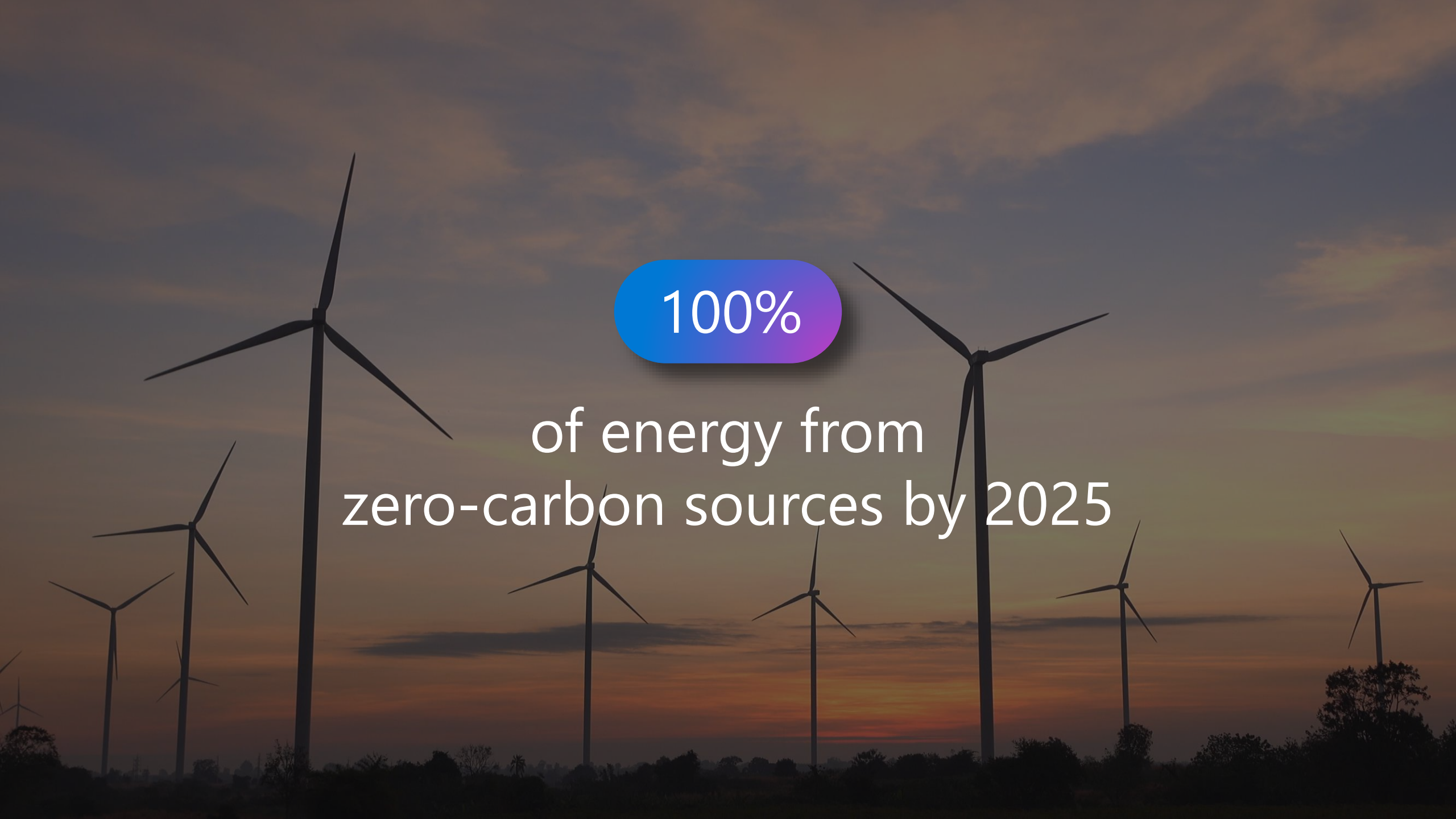
Microsoft CLOUD AZURE SERVICES

Módulo	Serviço	Tipo	Período de Análise	Versão API
Compute	Virtual Machines	IaaS/ PaaS	Q2-Q3 2024	2024-07-01 (Microsoft.Compute)
	App Service		Q2-Q3 2024	2023-12-01 (Microsoft.Web)
Storage	Storage Accounts	IaaS	Q2-Q3 2024	2023-05-01 (Microsoft.Storage)
Identity	Azure Active Directory (Entra ID)	IaaS	Q2-Q3 2024	2023-05-17-preview (Microsoft.AzureActiveDirectory)
Networking	Virtual Networks	IaaS	Q2-Q3 2024	2023-07-01 (Microsoft.Network)
	VPN Gateway		Q2-Q3 2024	2023-07-01 (Microsoft.Network)
Management	Backup	IaaS	Q2-Q3 2024	2024-04-01 (Microsoft.RecoveryServices)
	Site Recovery		Q2-Q3 2024	2024-04-01 (Microsoft.RecoveryServices)
Databases	SQL Service	IaaS	Q2-Q3 2024	2023-08-01-preview (Microsoft.sql)
Monitor	Log Analytics	IaaS/ SaaS	Q2-Q3 2024	2023-09-01 (Microsoft.OperationalInsights)
	Application Insights		Q2-Q3 2024	2020-02-02-preview (Microsoft.Insights)
Security	Microsoft Defender for Cloud	IaaS	Q2-Q3 2024	2020-01-04-beta (Microsoft.Security)
	Azure Sentinel		Q2-Q3 2024	2024-04-01-preview (Microsoft.SecurityInsights)
Portal / API	-	IaaS	Q2-Q3 2024	2022-12-01-preview (Microsoft.Portal)
AI	Azure OpenAI		Q2-Q3 2024	2024-04-01-preview (Microsoft.CognitiveServices)


100%
of energy from
zero-carbon sources by 2025

Maximum ROI and performance for all workloads

Windows Server and SQL Server

80% cost savings[1]

5x faster[2]

vs. AWS

Linux and open-source

Achieve 192% ROI over 3-years with Red Hat Enterprise Linux (RHEL) on Azure[3]

Strategic partnerships

Azure running Oracle Cloud Infrastructure

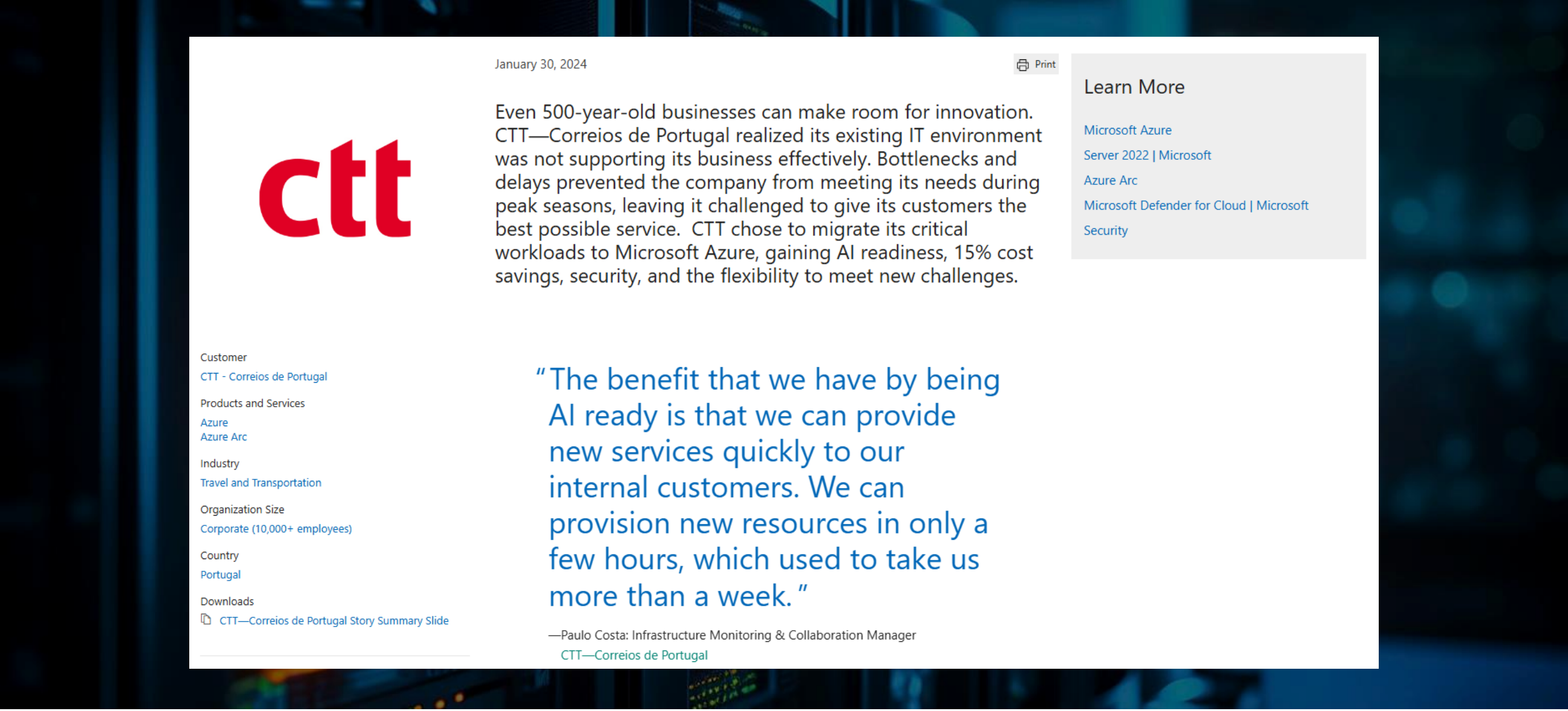
1. IDC Business Value White Paper, sponsored by Microsoft Azure, The Business Value of Microsoft Azure for SQL Server and Windows Server Workloads, doc #US49616022, September 202
2. Microsoft Azure SQL Managed Instance benchmark vs. AWS RDS for SQL Server using Azure Hybrid Benefit pricing, May 2022. Comparison also shows that SQL runs *up to* 5x faster.

Azure Services Overview (azurecharts.com)

Azure Services Overview

Microsoft

Customer Stories!



https://customers.microsoft.com/en-us/story/1730994991486457752-ctt-correios-de-portugal-microsoft-azure-portugal

Pressing priorities

Manage rising costs, maintain security, control IT sprawl

+

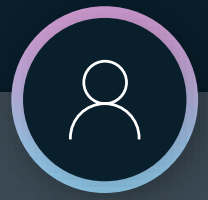
Be AI-ready

Embrace responsible, secure AI, cloud-native technologies

Azure meets you

where you are in your cloud journey

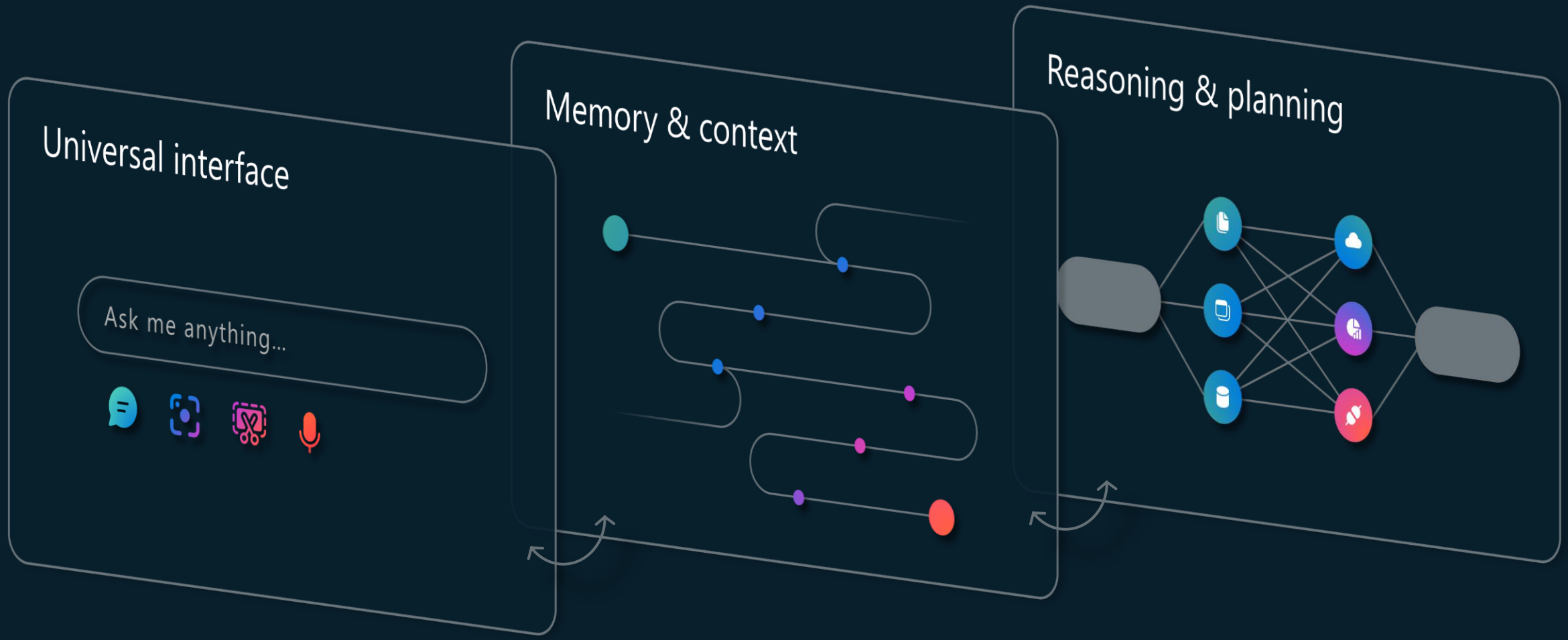
AI is transforming the world



Every individual

Every team

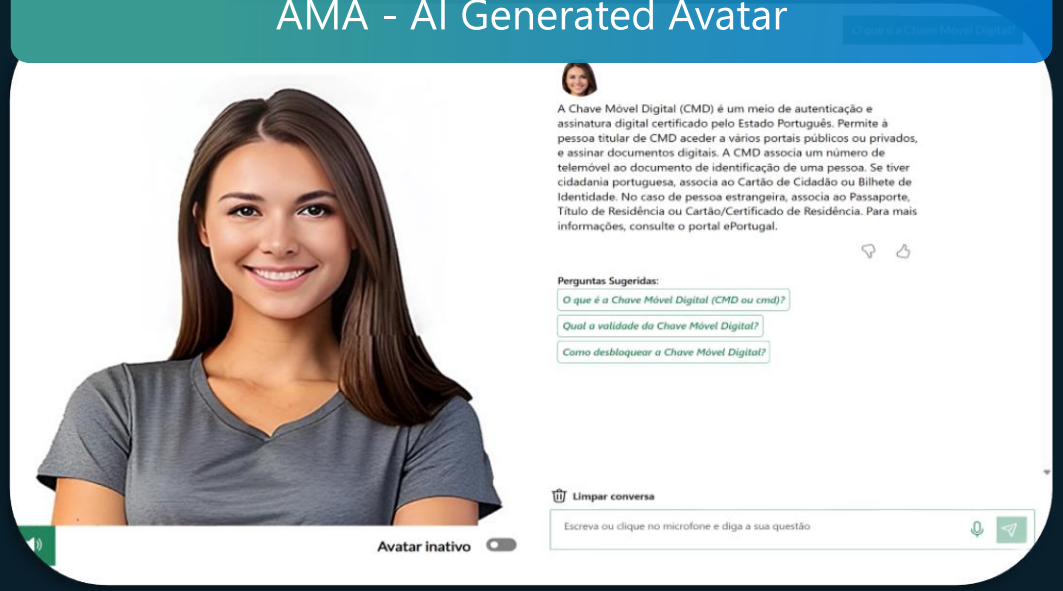
Every industry


Universal interface
Ask me anything...
Memory & context
Reasoning & planning

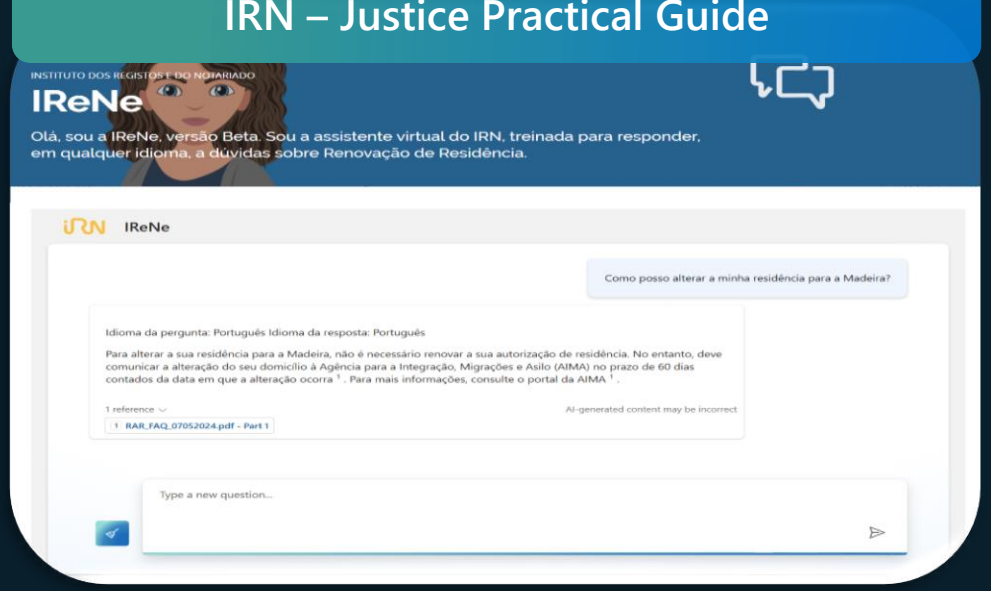
REPÚBLICA PORTUGUESA | JUSTIÇA

Portugal

AMA - AI Generated Avatar

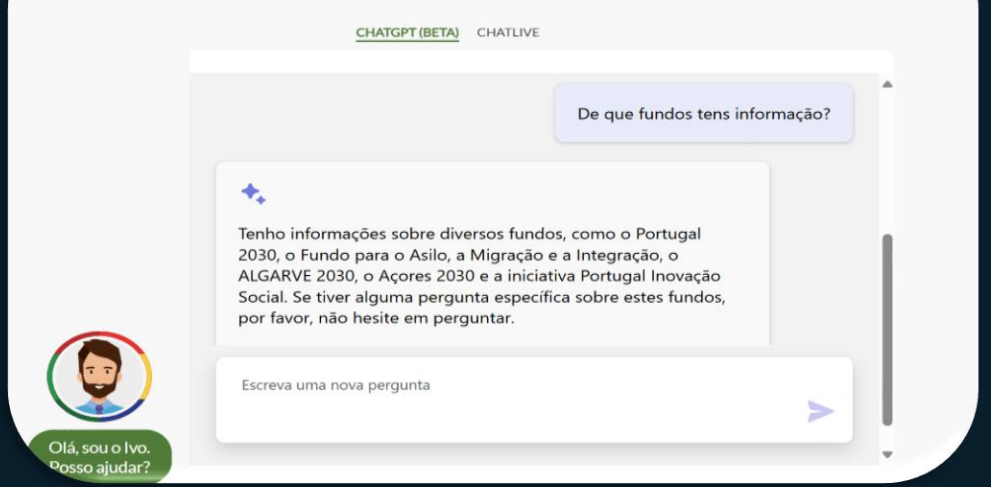


IRN – Justice Practical Guide



CTT – Meet Helena

Portugal 2030 – Fund Line



Top Takeaways

- **Azure meets you** where you are in your cloud journey
- **Migration** to Azure is the first step to Be AI-ready
- Azure **secures** your workloads across the migration journey
- Run on the largest cloud network on the planet for optimal **availability**, **scalability**, and **resiliency**
- Azure is an excellent cloud for **Windows Server, SQL** Server, and **Linux** workloads, with strategic partnerships for other **3rd party workloads** to cover your entire estate

Microsoft

Microsoft Programs available

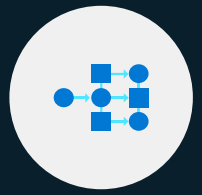
How Microsoft can help

Free assessment

Assess your environment and create a business case for Azure with Azure Migrate

Credits to innovate

For certain scenarios, benefit from Azure credits



Skilling and frameworks

Be set up for success with a defined strategy & training to accelerate time to impact with the cloud

Free migration

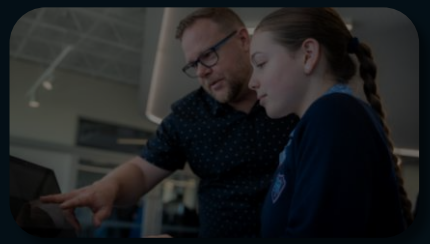
Benefits from Microsoft Consultants to drive your migrations at no cost

Partner ecosystem

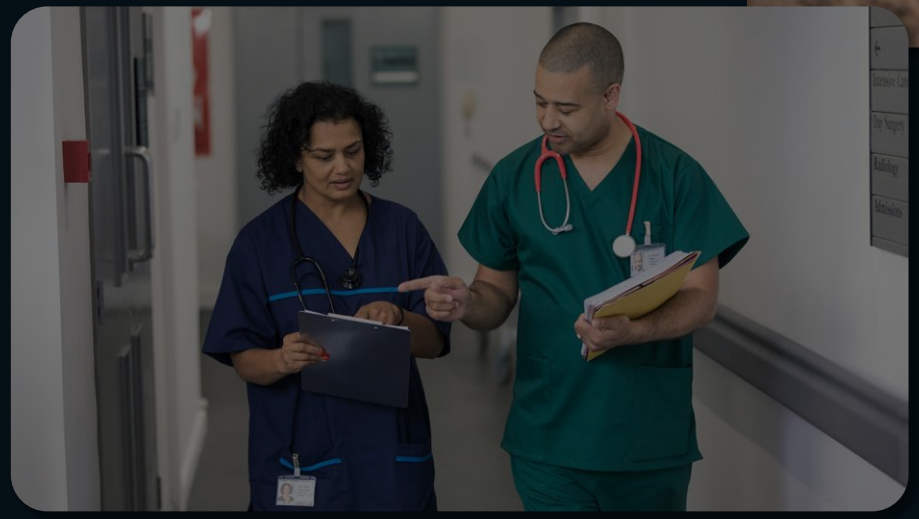
Expert help from specialized partners of your choice

Offers and flexible consumption models

Take advantage of significant cost savings available only on Azure (Reserved instances, Hybrid benefits, Savings Plans)



Empower every person and every organization on the planet to achieve more



Microsoft

Thank you!