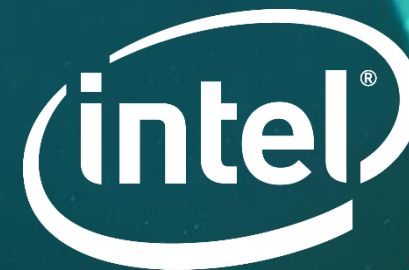


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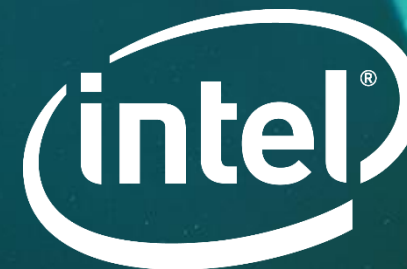


Apresentações 1ª Parte

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Painel A inteligência muda tudo

Carlos Leite, Managing Director, HPE Portugal

Juan L Polo, EMEA Regional Account Director, Intel

Luís Paulo Reis, Associate Professor of FEUP, Director of LIACC and Vice-President of APPIA

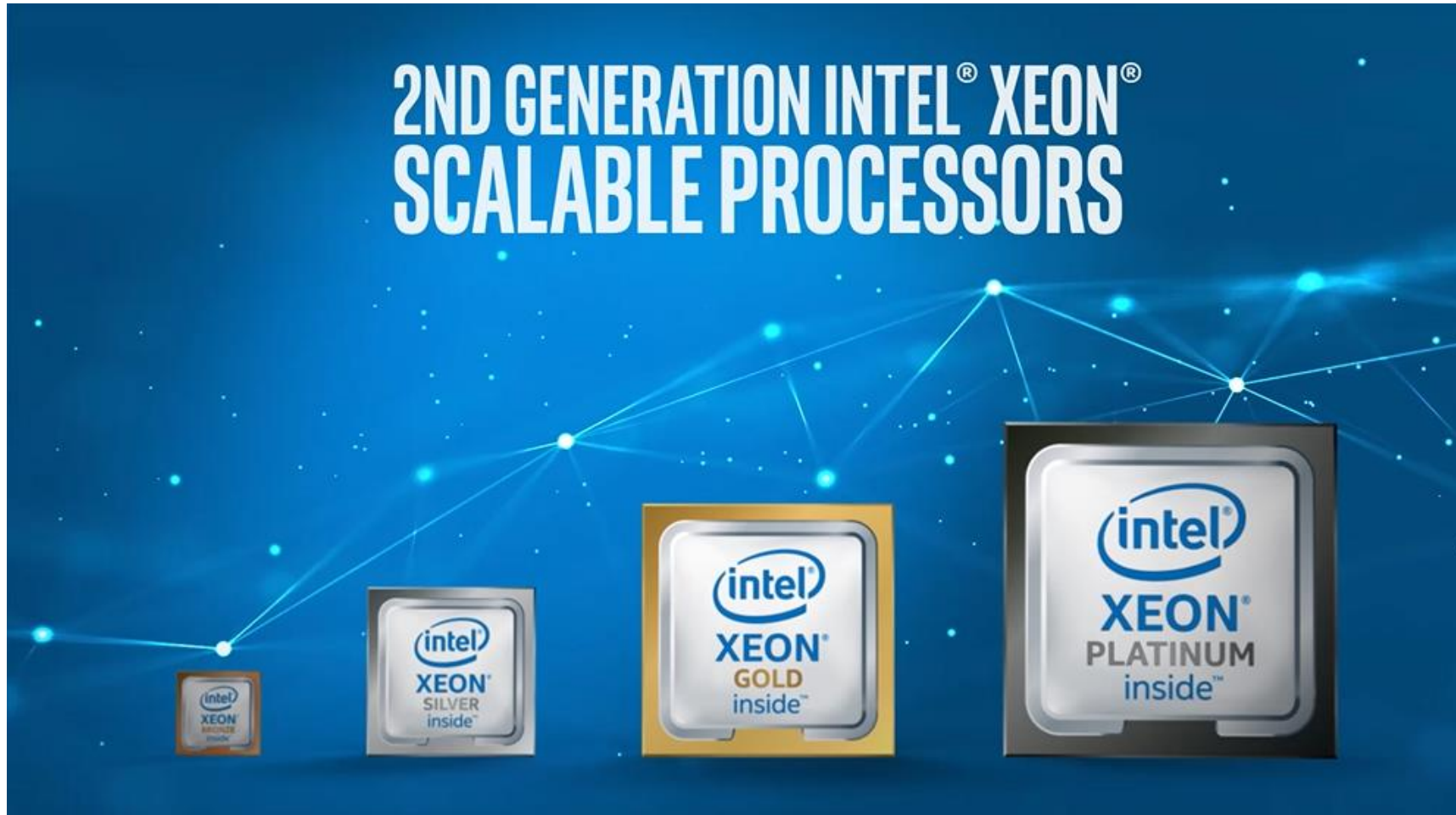
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Intel® Cascade Lake

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





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Plataforma de Dados Inteligente

Pedro Morais
Storage Category Manager, HPE Portugal

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HPE delivers the world's most intelligent storage for your hybrid cloud world

AI-DRIVEN

AUTONOMOUS & AWARE

BUILT FOR CLOUD

EASY DATA MOBILITY

AS-A-SERVICE EXPERIENCE

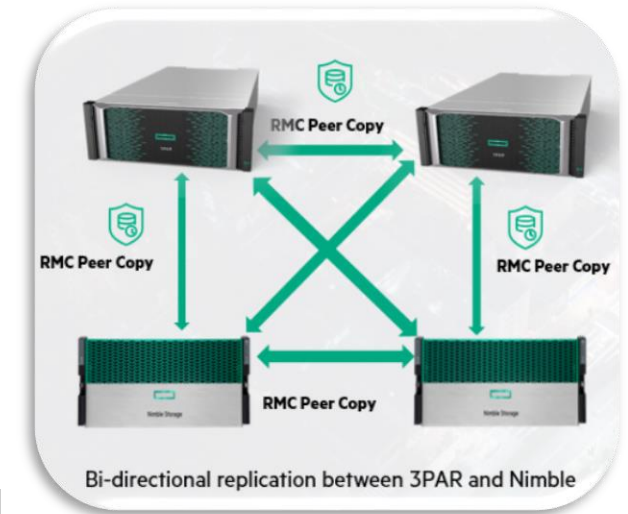
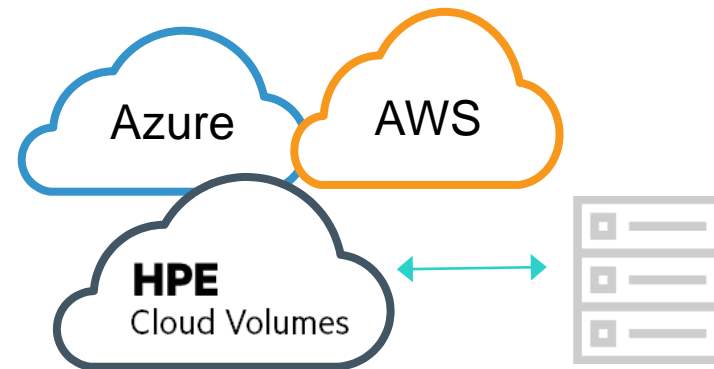
ALIGNED TO ECONOMIC NEEDS

Novidades HPE Storage

- HPE StoreMore Guarantee
- Nimble Peer Persistence
- DIPU – Data in Place Upgrade
- HPE Peer Copy powered by RMC
 - Mobilidade entre 3PAR e Nimble
- HPE Cloud Volumes



Peer Persistence With Automatic Switch Over





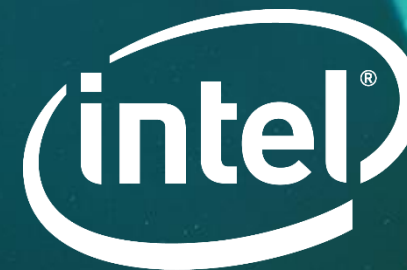
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As componentes que tornam os Servidores HPE Inteligentes e Seguros

Luís Rilhó
Computing Category Manager, HPE Portugal

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Introducing a new Compute experience

Agility

A better way to deliver business results

Security

A better way to protect your business and data

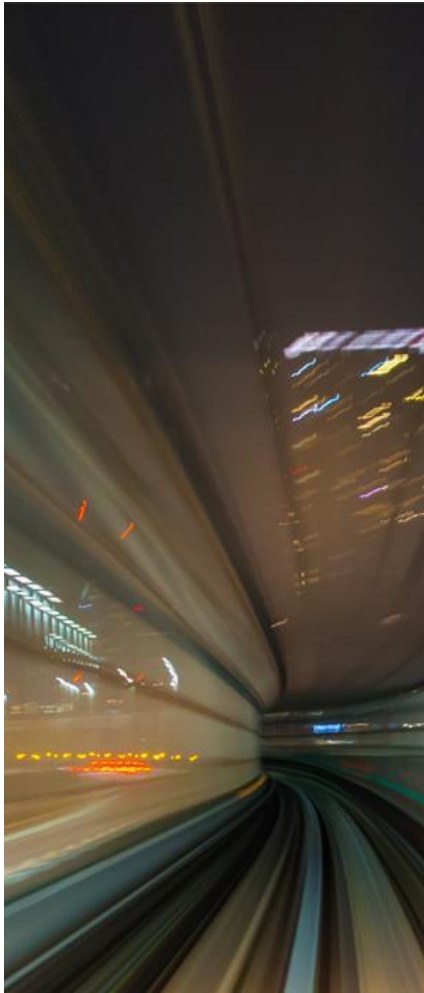
Economic control

A better way to consume and pay only for what you use

Powered by the world's most secure industry standard servers

Server tuning technology developed in partnership with Intel

HPE Intelligent Systems Tuning



Jitter smoothing

- **Reduce latency, and deliver deterministic and reliable performance** by mitigating processor frequency fluctuation
- **Ideal for workloads where processor frequency is highly variable** (e.g. High Frequency Traders, HPC)

Core boosting*

- **Utilize fewer processors while improving workload performance** with higher processor frequencies on more active cores than standard Intel processor profiles.
- **Reduce core-based licensing costs** by enabling higher performance across fewer processors

Workload matching

- **Automatically match** the internal server resources to the specific requirements of your workload.
- **Improve performance** using preconfigured workload profiles to tune internal server resources

HPE Secure Compute Lifecycle

Security



Silicon Root of Trust

- Anchoring the root of trust into the silicon
- Only HPE offers industry standard servers with major firmware anchored into the silicon
- Provides impenetrable protection through entire supply chain: manufacturing, distribution, shipping, configuration, & installation.
- Millions of lines of FW code run before server operating system boots

Firmware Runtime Verification

- Daily checking of firmware every 24 hours verifying validity and credibility of UEFI, CPLD, iLO, IE, and ME.
- Valid and secure FW copy stored in lock-box
- FW on other HPE options like drives and NICs can be checked as well
- Alert of compromised code through iLO audit logs

Secure Recovery

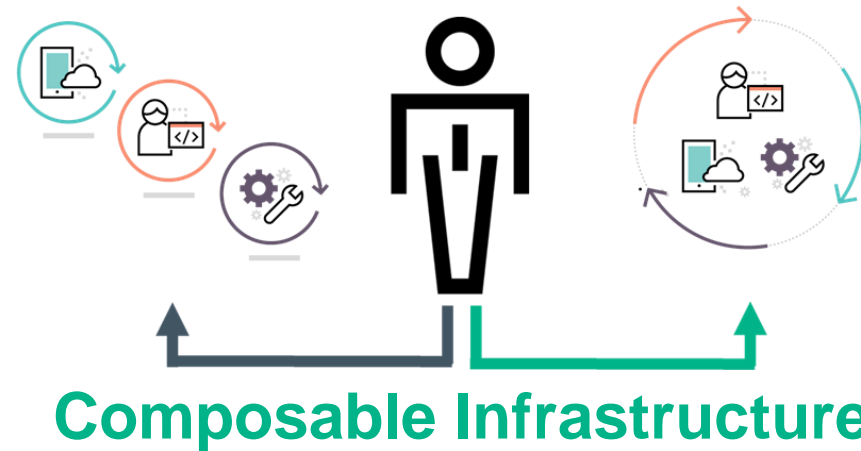
- Recovering firmware to known good state after detection of compromised code
- Options to recover to factory settings or last know good or not recovering at all taking server off-line
- Ability to recover other server settings

Commercial National Security Algorithms

- Highest level of security not offered by any other industry server providers
- Typically used for handling the most confidential and secret information
- Uses the highest level of cryptography in the industry
- No increase in server latency

Composable Infrastructure

Architectural design principles



Unified API

- Single line of code to abstract every element of infrastructure
- Full infrastructure programmability
- Bare metal interface for Infrastructure as a Service

Fluid Resource Pools

- Single infrastructure of disaggregated resource pools
- Physical, virtual, and containers
- Auto-integrating of resource capacity

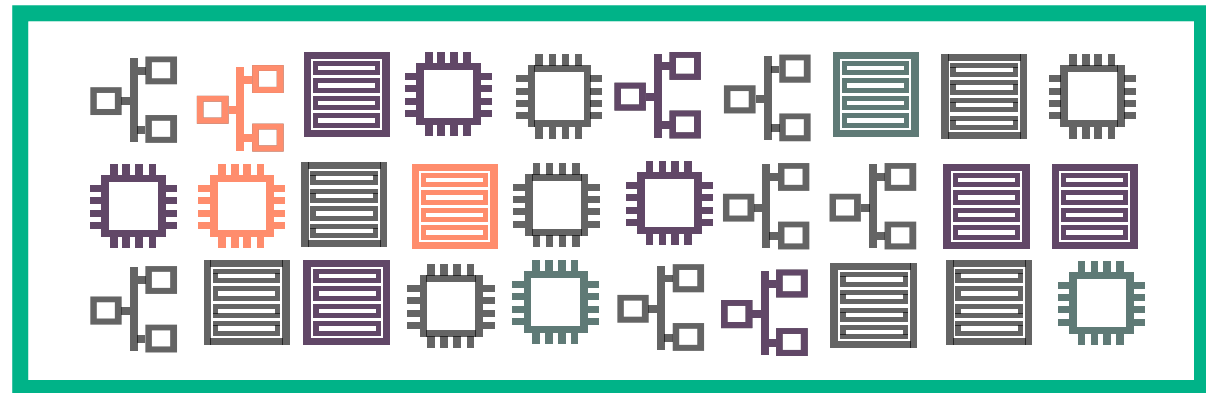
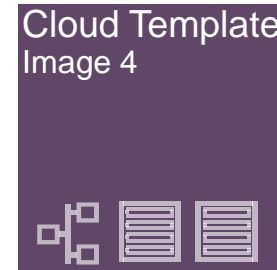
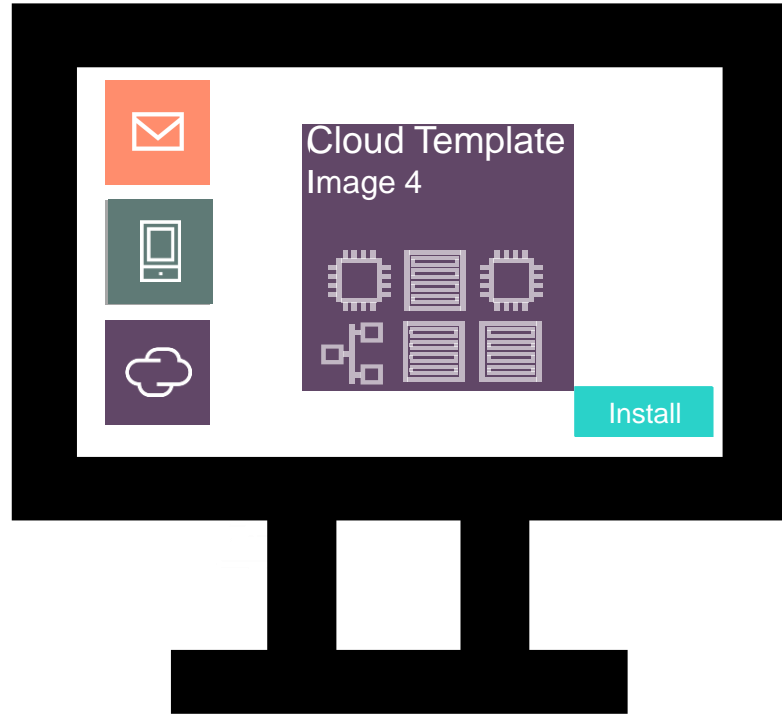
Software-Defined Intelligence

- Template-driven workload composition
- Frictionless operations

Precisely compose and recompose resources for each application

HPE Synergy Composer powered by HPE OneView

LIBRARY



A single interface to precisely compose and recompose resources for each application

HPE Synergy: Engine for the Idea Economy

Composable Frame

Everything needed to run applications, so IT can be quickly setup and consumed

Auto-integrating makes scaling simple and automated at rack/row scale



Composer

Integrated software-defined intelligence to self-discover, auto-integrate, provision and scale from racks to rows



Composable Compute

Provides the performance, scalability, density optimization, storage simplicity, and configuration flexibility



Composable Fabric

Rack scale multi-fabric connectivity eliminates standalone TOR switches



Composable Storage

High-density integrated storage to compose any compute with any storage (SDS, DAS, SAN)



Unique innovations enable the composable experience

Private bare metal cloud ready to run any application and delivered as infrastructure as code

Single Management Interface:

One interface to discover, compose, update, and troubleshoot

Image Streamer:

Instantly provision operating environments on stateless infrastructure

Template Based Composition:

Templates compose the infrastructure to match the workload's needs



Frictionless Change:

Firmware and driver updates delivered seamlessly as one

Unified API:

Operations changes can be easily automated and Developers can program the infrastructure as code

Developer Portal:

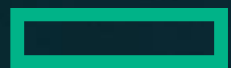
Presents a private bare metal cloud through unified API & SDK



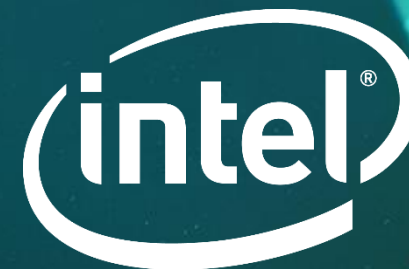
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Clearpass: Redes Seguras e Inteligentes

Pedro Lourenço

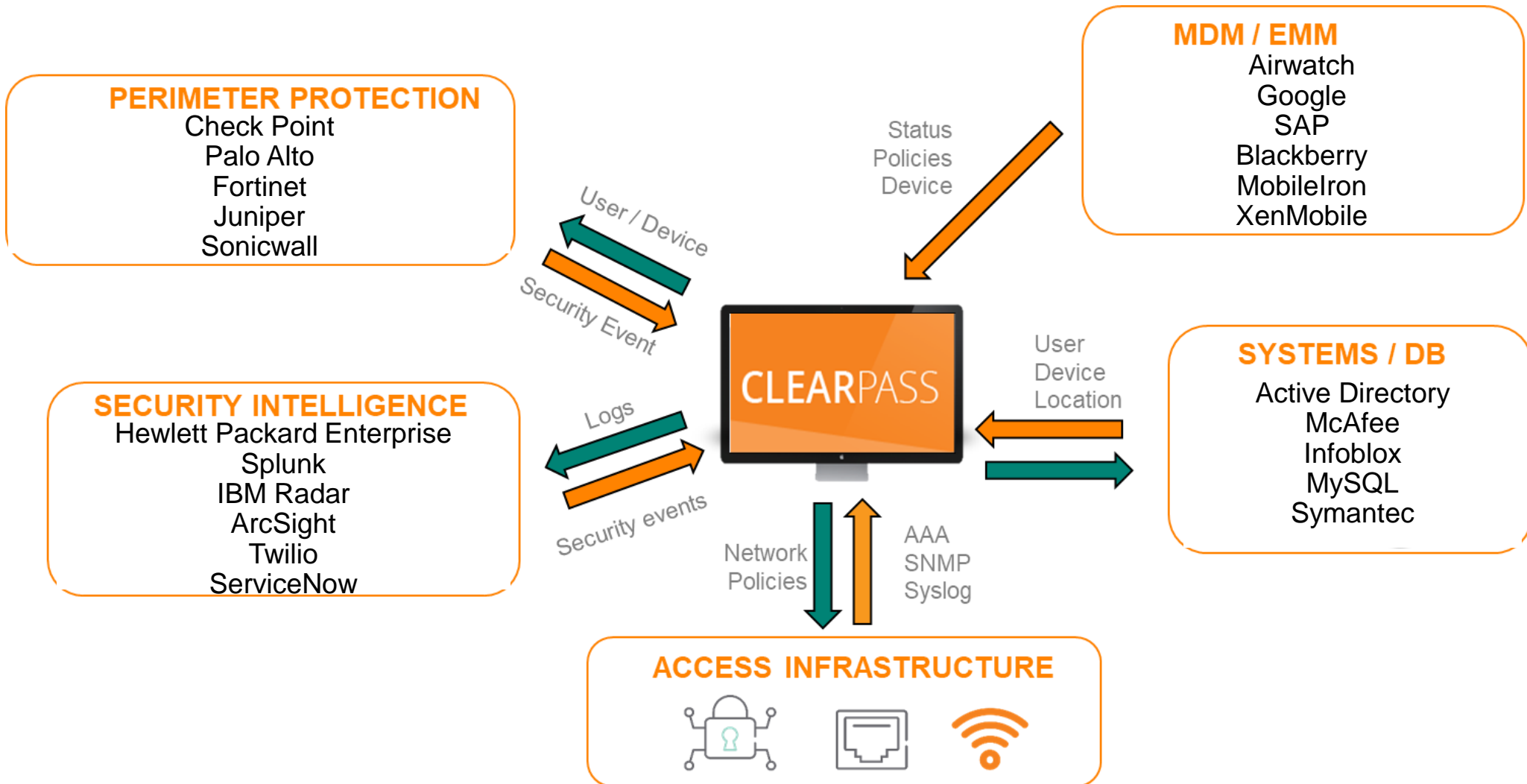
Systems Engineer, Aruba a Hewlett Packard Enterprise Company Portugal

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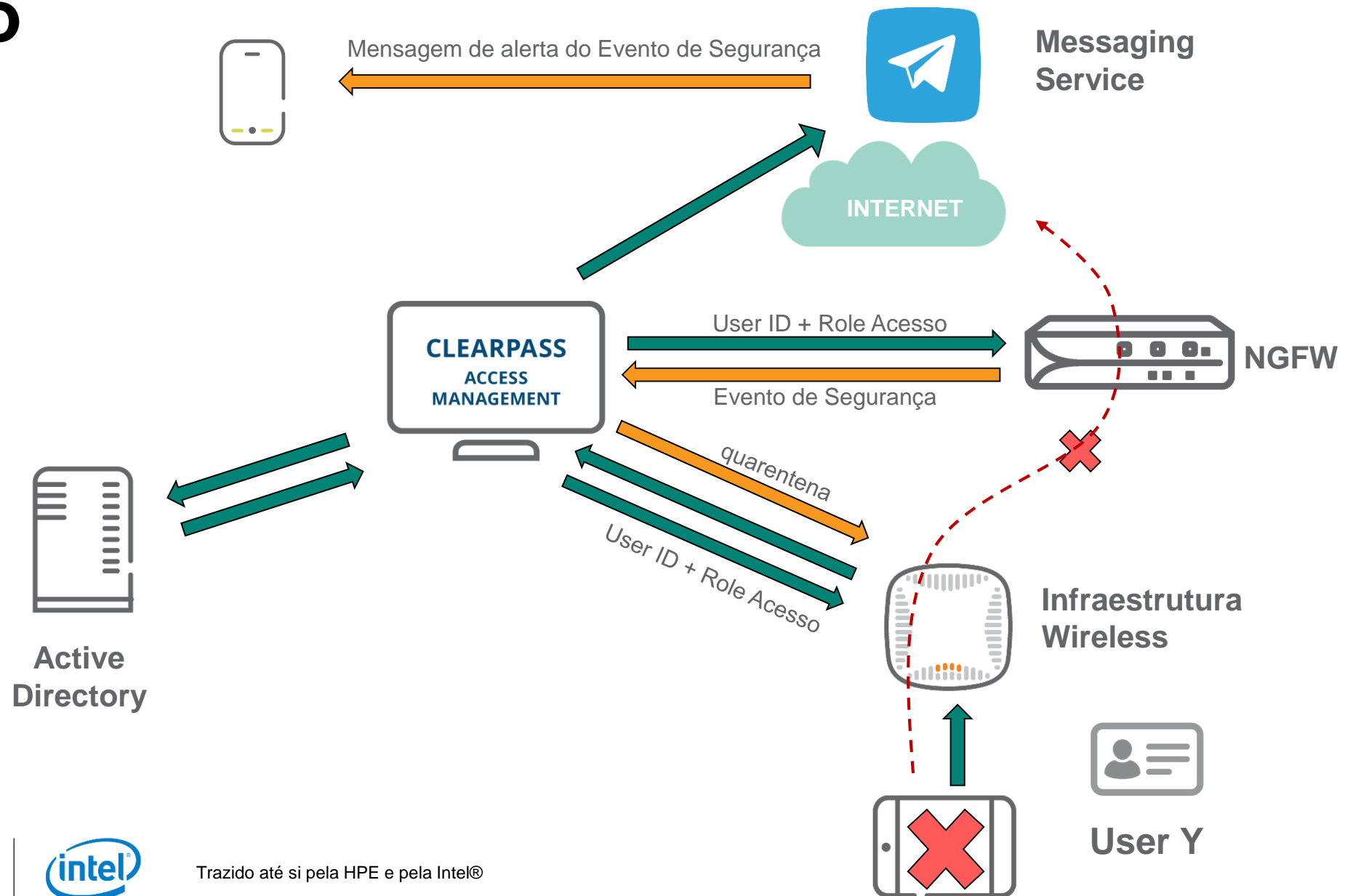
CONTEXT-AWARE, NETWORK- DRIVEN **SECURE ACCESS**



The Intelligent Edge is able to Communicate and Adapt



Demo

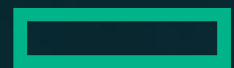




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HPE GreenLake: A Cloud Híbrida mais Inteligente

Luís Abreu
Country Attach Lead, HPE Portugal

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HPE GreenLake: Cloud-like Consumption with On-Prem Control

Expanding choice and agility for hybrid cloud

Nutanix AHV

Google Cloud

Consumption Analytics Portal

Nutanix AHV + HPE
GreenLake delivers lower TCO
for VMs

Containers as a Service
(CaaS) for Anthos with HPE
GreenLake

Single pane of glass for
Consumption-based IT

- **Freedom of Choice**
- **Lower Cost** than the equivalent hypervisor
- **ONE-CLICK** simplicity for VM and application management

- On-Prem: **HPE Validated Designs for Google Anthos**
- **Benefits GKE environment**
On-Prem:
 - Faster Deployment
 - Better Productivity
 - Less Overprovisioning



Visibility



Control



Capacity Planning

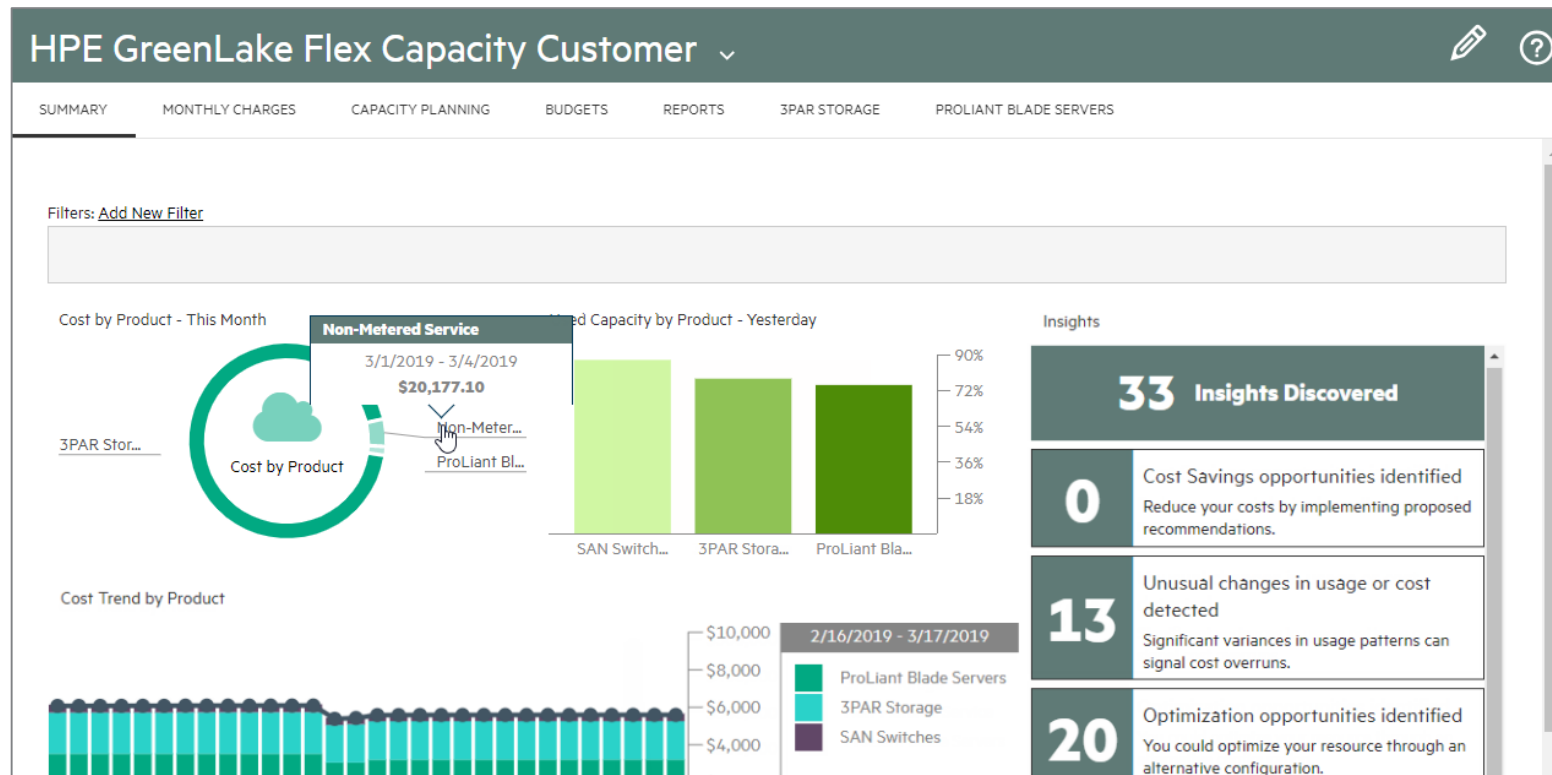
Optimization



HPE GreenLake: Cloud-like Consumption with On-Prem Control

Expanding choice and agility for hybrid cloud

Consumption Analytics Portal



Single pane of glass for
Consumption-based IT



Visibility



Control



Capacity Planning

Optimization





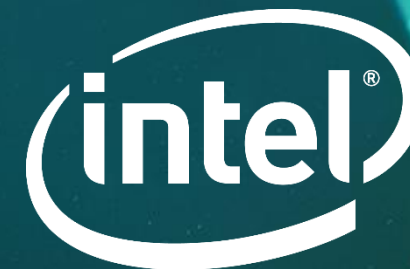
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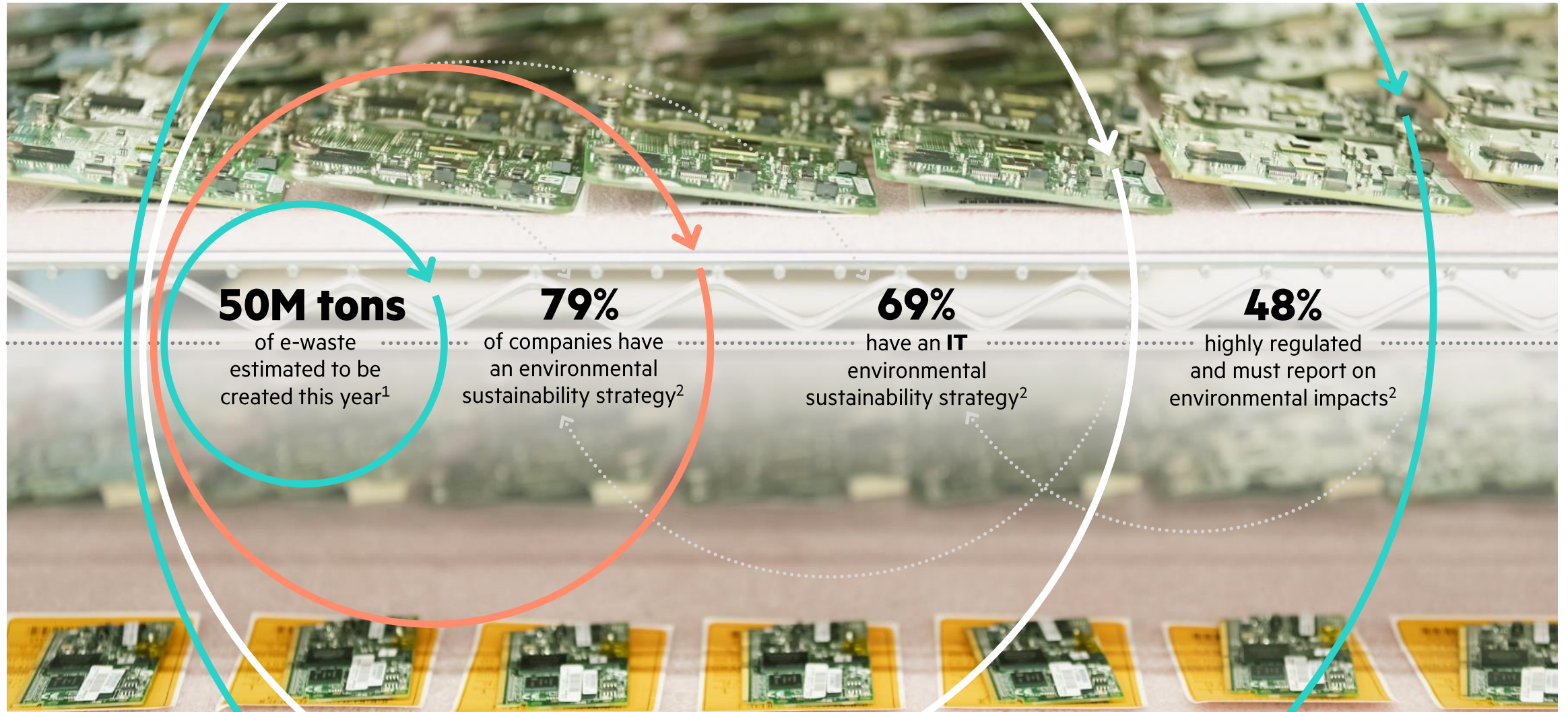
Utilização inteligente de recursos de TI na Economia Circular

Paulo Santos

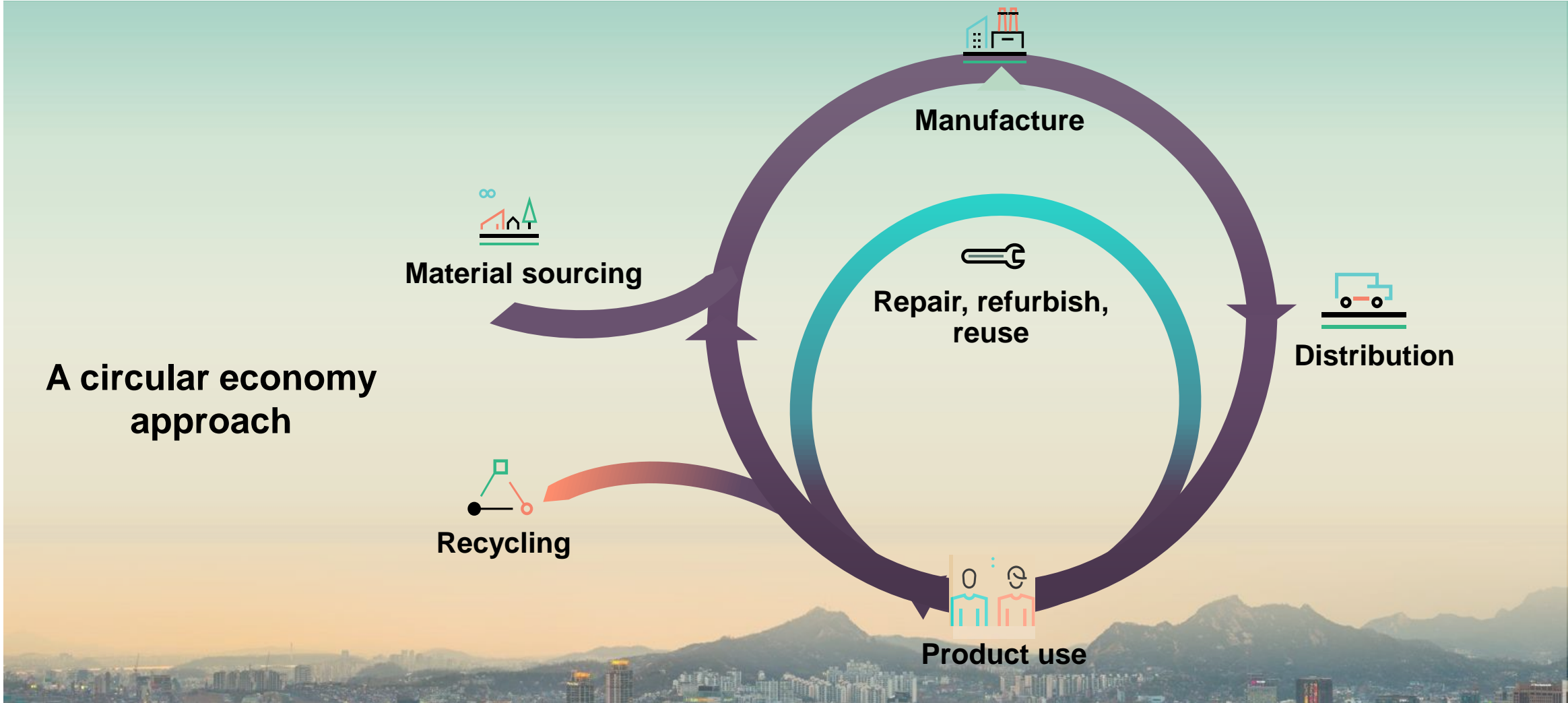
Country Financial Services Account Manager, HPE Portugal

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Sustainability and Circular Economy are critical... Now



Sustainably meet the technology demands of the future



A circular economy approach

Maximizing the value of end-of-use assets

Capture the residual value of IT assets

Put your retired IT Equipment through a verifiable renewal vendor that tracks all components through the process

HPE Asset Upcycling Services

- Send retired assets to a trusted Technology Renewal center
- Set goals for IT asset retirement, renewal, and remarketing
- Use value from retired assets to fund future IT

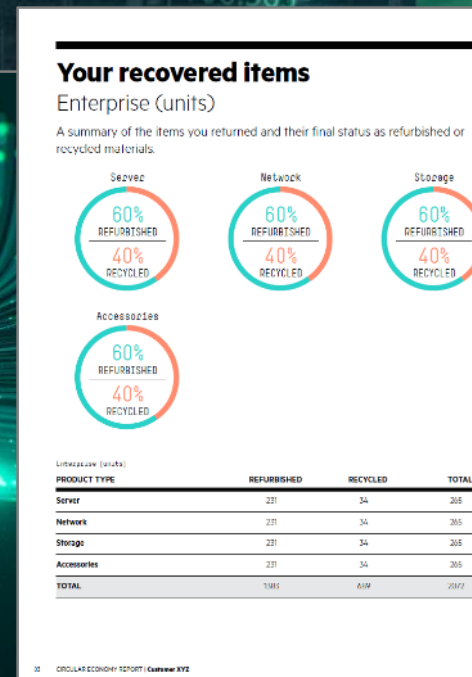
HPE Certified Pre-owned Products

- Extend the life of legacy systems and environments
- Custom configured systems with 1-year warranty
- Factory authorized operating system licensing

Maximizing the value of end-of-use assets

Capture the residual value of IT assets

New Circular Economy Report available to HPE Financial Services Lease Return and Asset Upcycling Services customers¹





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a Hewlett Packard
Enterprise company

THE TECHNOLOGY



HPE
POINTNEXT

THE PEOPLE



HPE Financial Services

THE ECONOMICS



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