AI Recommendation Engine

The first step to an Autonomous Data Center

Thomas Meier, Chief Technologist

March, 14th 2018, Rust

Preemptive Recommendations in Use Everyday

The right decisions that optimizes my time….

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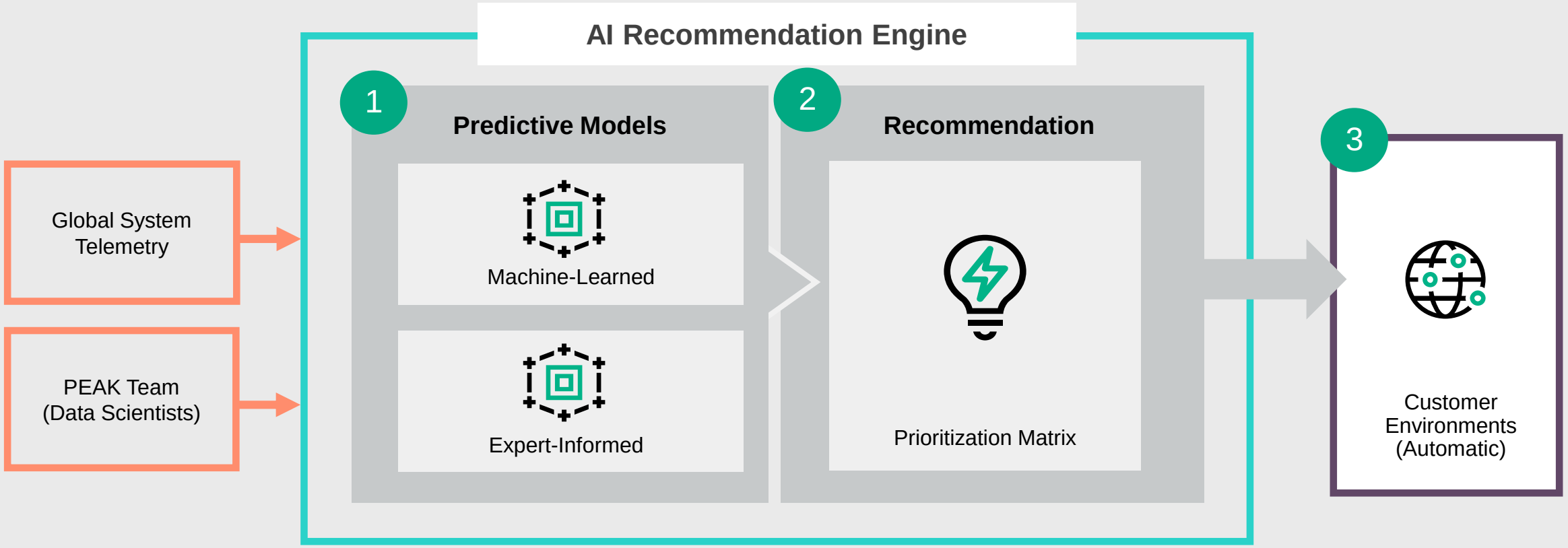
Architecting the AI Recommendation Engine for the Data Centre



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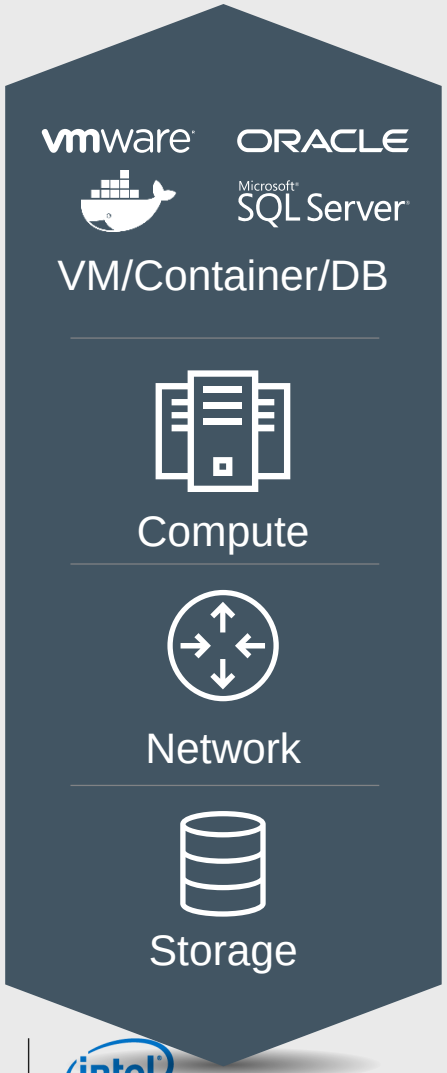
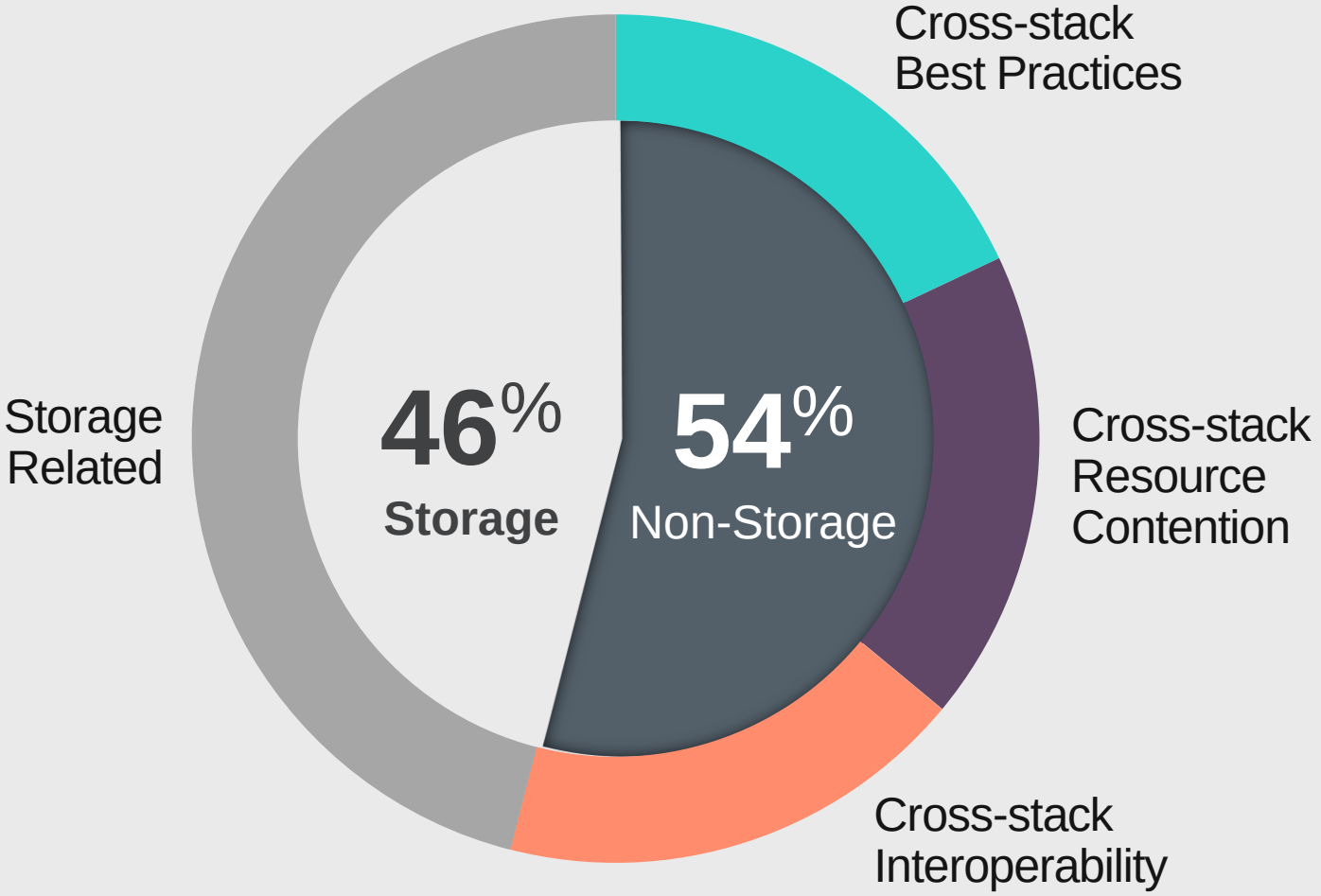
There is no one cause… and it's too complex for humans to fix





Source: InfoSight analysis HPE customer base

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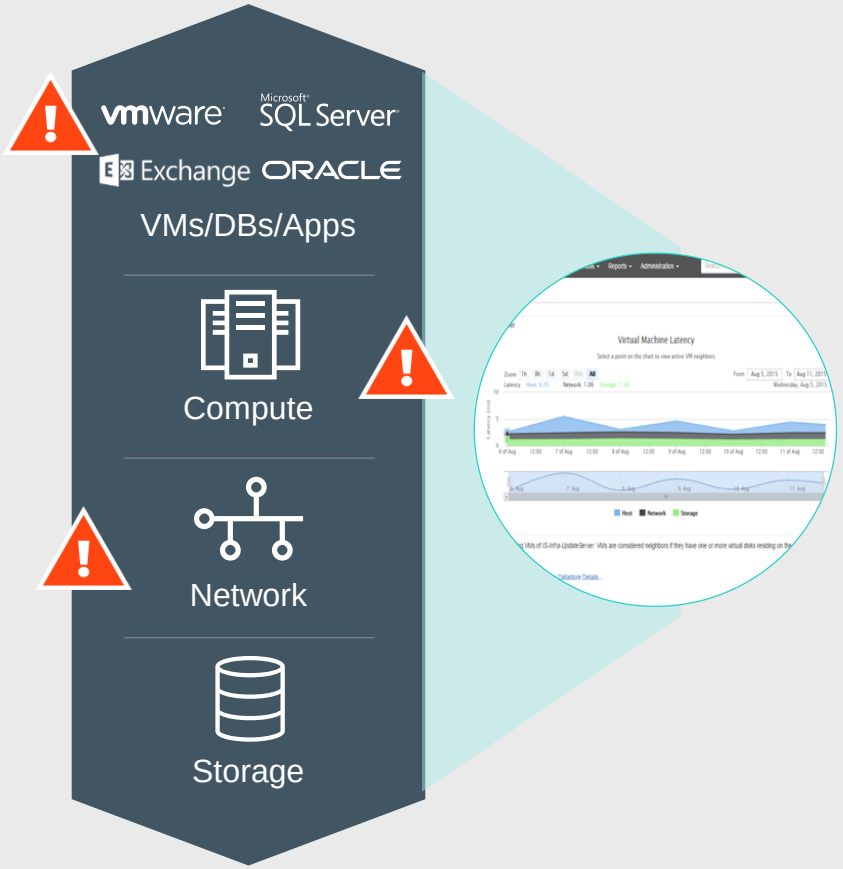
Cross-Stack Analytics for VMware Environments



Noisy Neighbor

Determine if VMs are hogging resources from another VM

Host & Memory Analytics

Visibility into host CPU and memory metrics

Latency Attribution

Identify root cause across host, storage, or SAN

Inactive VMs

Visibility into inactive VMs to repurpose/reclaim resources

Top Performing VMs

Visibility into Top 10 VMs by IOPs and Latency

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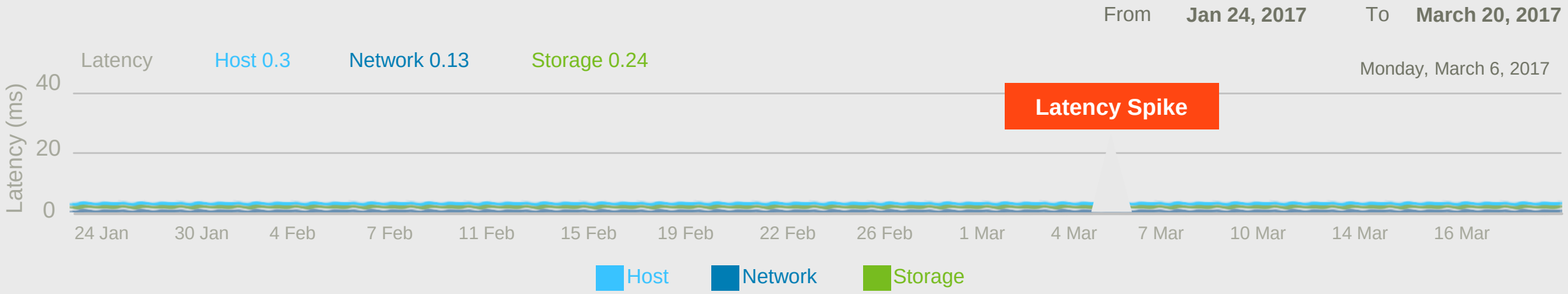
Diagnoses Abnormal Latency with VMVision



HPE InfoSight VMVision

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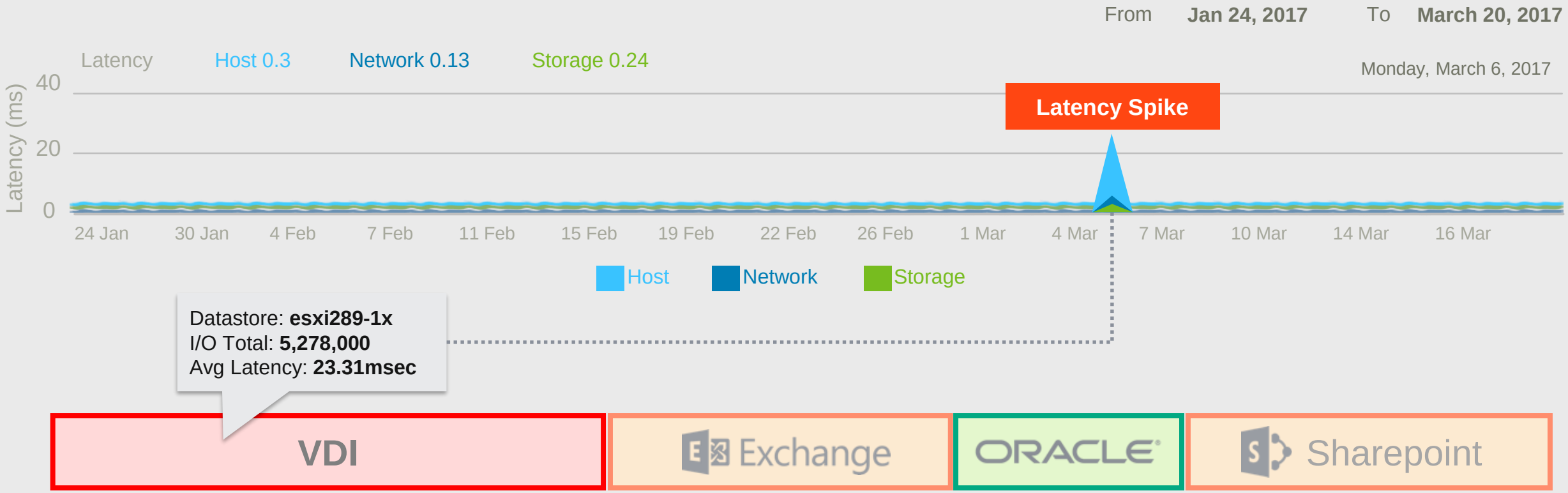

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HPE InfoSight - **AI for the Data Center**

Collecting and Analyzing Millions of Sensors per Second

Customer Impact

- Predictive Support Automation
- NEW — Preemptive Recommendations
- Proactive Management
- Continuous Improvement

Cloud-Based AI Platform

- Predictive Analytics Engine
- Global Learning
- NEW — Recommendation Engine

Cross-Stack Telemetry

vmware · ORACLE · Microsoft SQL Server · Exchange

Compute · Network · Storage

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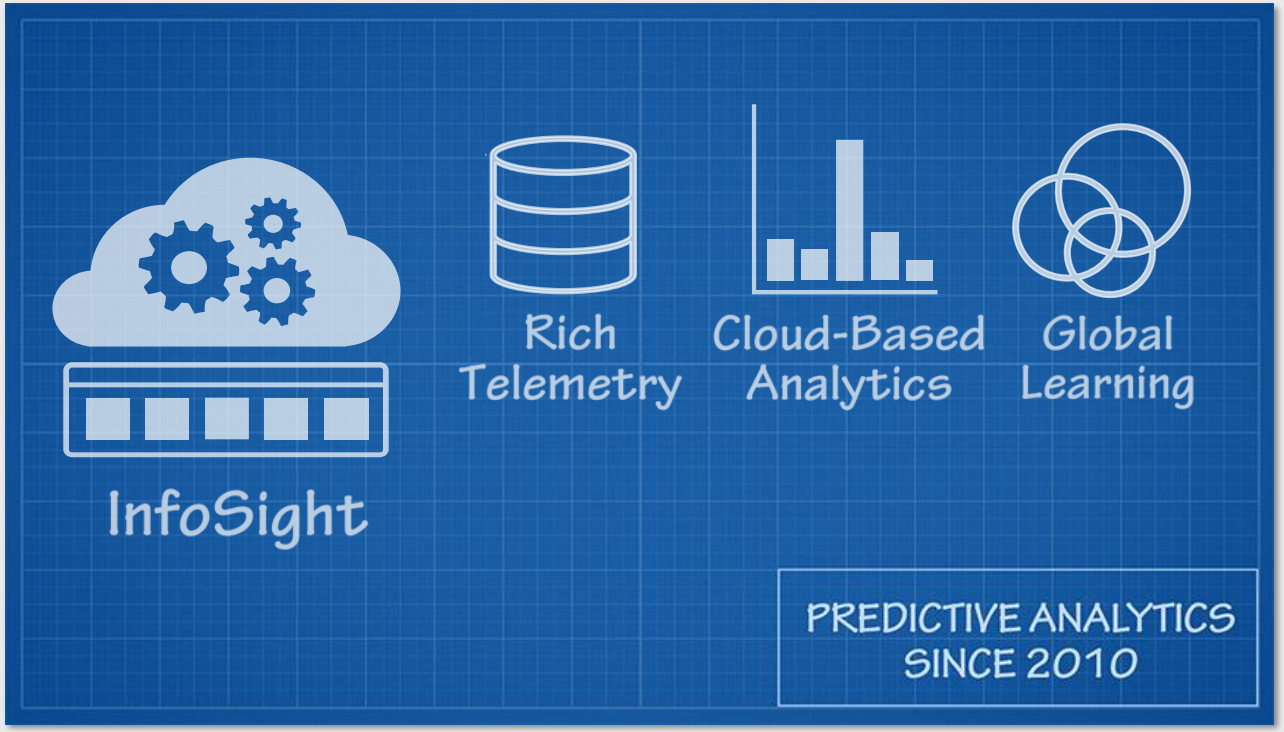
HPE InfoSight

Building on a Unique and Differentiated Approach

1. **Architected for analytics**
2. Awareness beyond storage
3. Applied machine learning and data science
4. Preemptive recommendations



An architectural advantage that keeps getting better

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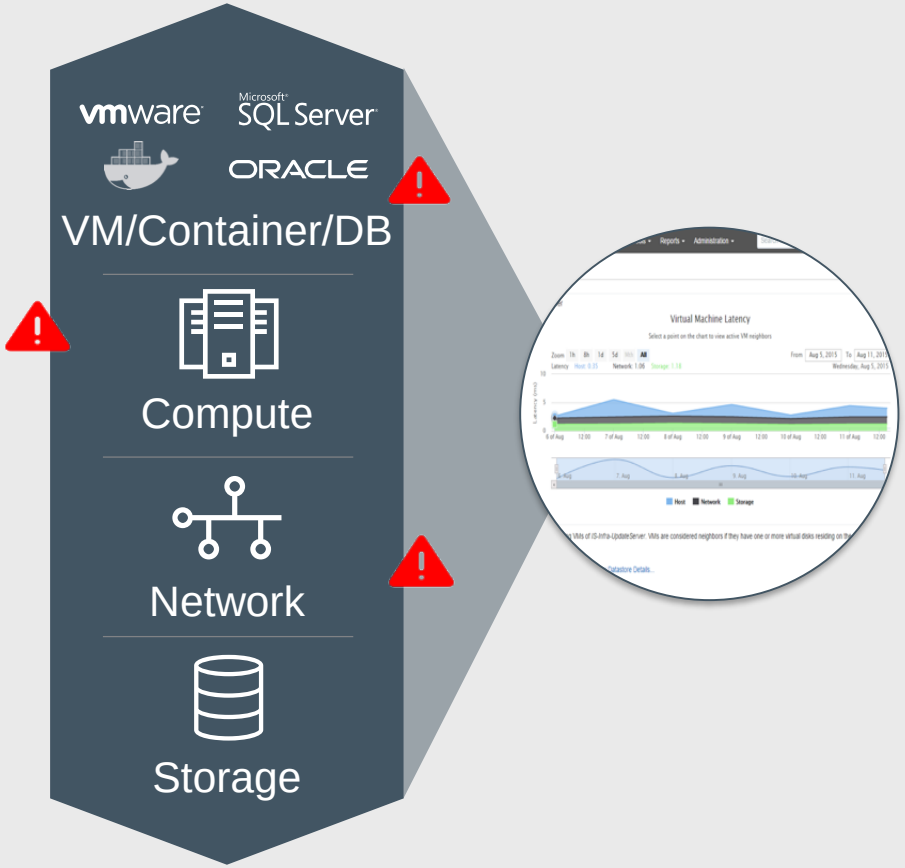

Problems across the infrastructure stack go away

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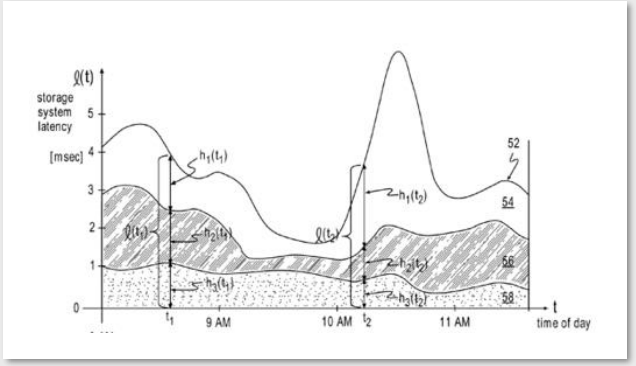

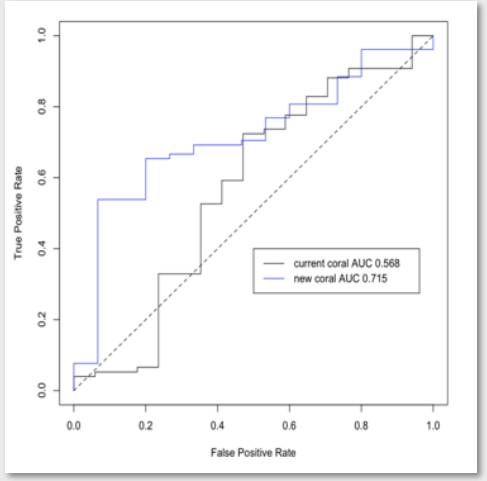

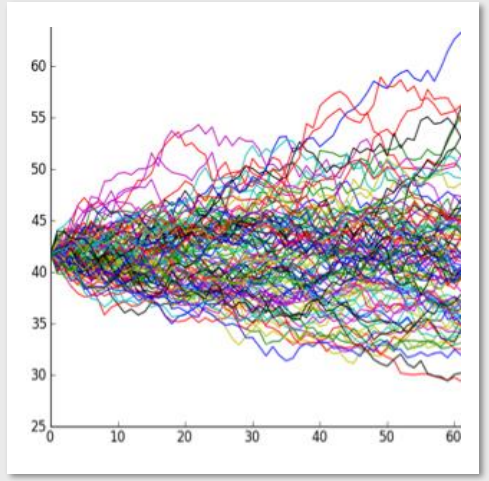

Infrastructure gets smarter and learns to predict

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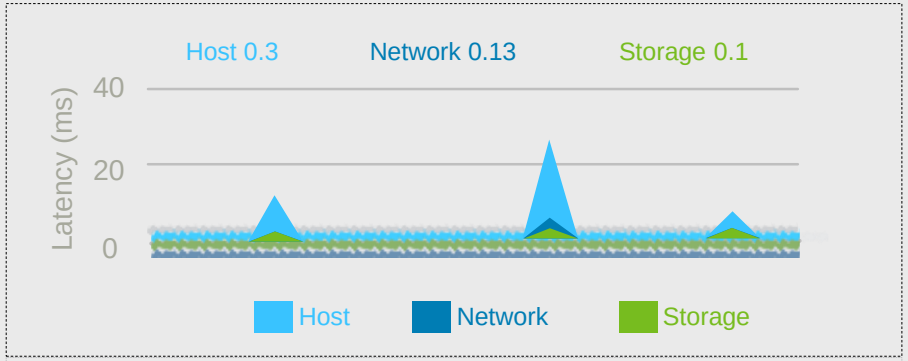

- ✓ Health severity impact scores
- ✓ Automated cases with resolution
- ✓ Accurate predictive forecasting
- ✓ On-demand performance correlations

Making decisions and freeing IT

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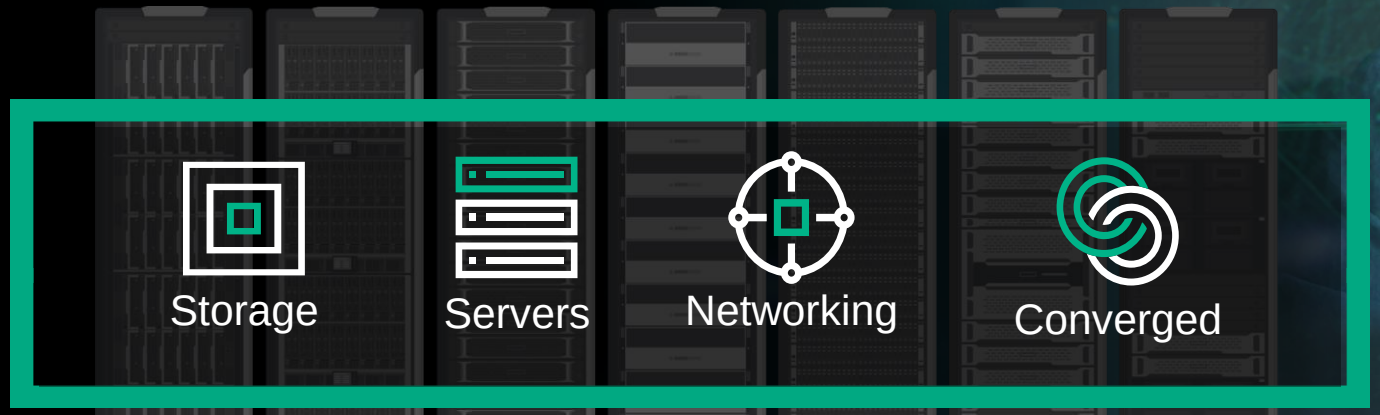
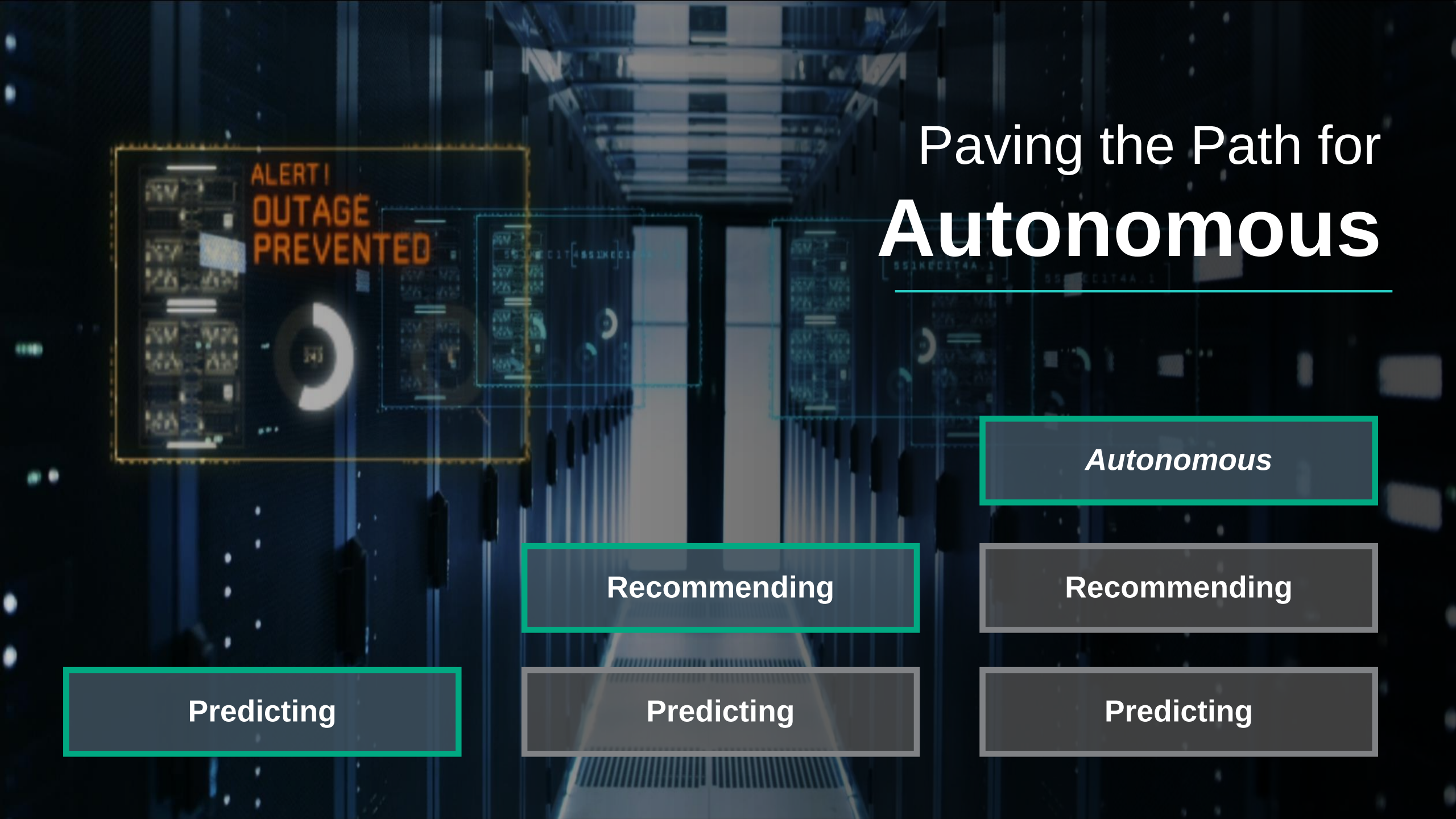
HPE InfoSight: AI for the Data Center

Extending HPE InfoSight Across HPE

Self-Managing Self-Healing Self-Optimizing





Paving the Path for **Autonomous**

		Autonomous
	Recommending	**Recommending**
Predicting	**Predicting**	**Predicting**

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Thomas Meier

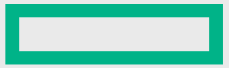
Chief Technologist
Data Center & Hybrid IT

Hewlett Packard GmbH
Karl-Hammerschmidt-Str. 36
85630 Dornach

Phone +49 162 268 23 68
E-Mail thomas.meier@hpe.com
LinkedIn: thomas-meier

For further information visit us at the -

HPE Booth ID A06



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Thank you