D<echnologies

APEX AlOps Infrastructure Observability

Accelerate environmental IT initiatives and achieve sustainability goals with Infrastructure Observability – AIOps for Intelligent Infrastructure insights

Overview	Connectivity to CloudIQ	Contract Expiration	Collectors	
🕢 Health 🗸	All 44 systems are connected	O 7 Expirent	1 Updates Available	
E Inventory ~		32 monitored systems	Cybersecurity Risks 1 Systems	
🗧 Capacity 🗸 🗸	System Health		e oporoceanij cons	
👔 Performance 🗸	POOR FA	IR GOOD	High 1 4 Issues	
러 Lifecycle	System Name Health Score 🔺		GO TO CYBERSECURITY	
Admin ~	Test_Dev 60 UnityUSA FCNCH0972C32F3 Storage System	Top Health Issue		O 2.2
	Account Management 60	Capacity -40	System Alerts Last 24 Hours	111 AT&T 🗢 7:10 PM
	ME4012 CIQAPU1 Storage System Security Office 60	The storage pool 'Test_Dev_Pool1' is full and oversubscribed.	3 4 8	
	PowerScale Cluster ELMISLFAGEF789 Storage System		Critical Error Warning	
	GO TO SYSTEM HEALTH		GO TO ALERTS	
	Capacity Approaching Full		③ Support	Capacity Appro APEX AlOps Observe
			Support for all of your Dell EMC Systems	All
	3 Imminent 1 Full 3 Within a week	14 Within a month 2 Within a quarter		All
	Name Date to Full	Jon 21 Feb 21 Mar 21	DELL SUPPORT	3 1 3
	DR_Pool2_FS2 Mar 29, 2021 682.1 UNITY 400 FCNCH0972C32F2 File System			Imminent Full Week
	TD_Pool1_NAS_Datastore1 Mar 29, 2021 Unity/VSA FCNCH0972C32F3 File System		🖂 Systems Needing Updates	
	TD_Pool1_NAS_Datastore2 Mar 29, 2021 UnityVSA1FCNCH0972C32F31File System		Urgent Recommended	Performance Impacts (4)
	🔲 Free 📒 Used Total Forecast Used 🛃 🚽 Confidence Rang	0 B	System Name Update *	Performance impacts (4)
		e outsched	Account Management System Code ME4012 CI0APU1 Storage System	Market Research
	III Performance Impacts	4 systems with performance impacts	Business Analytics System Code SC7020F 95148 Storage System	UNITY XT 880F FCNCH0972C32F
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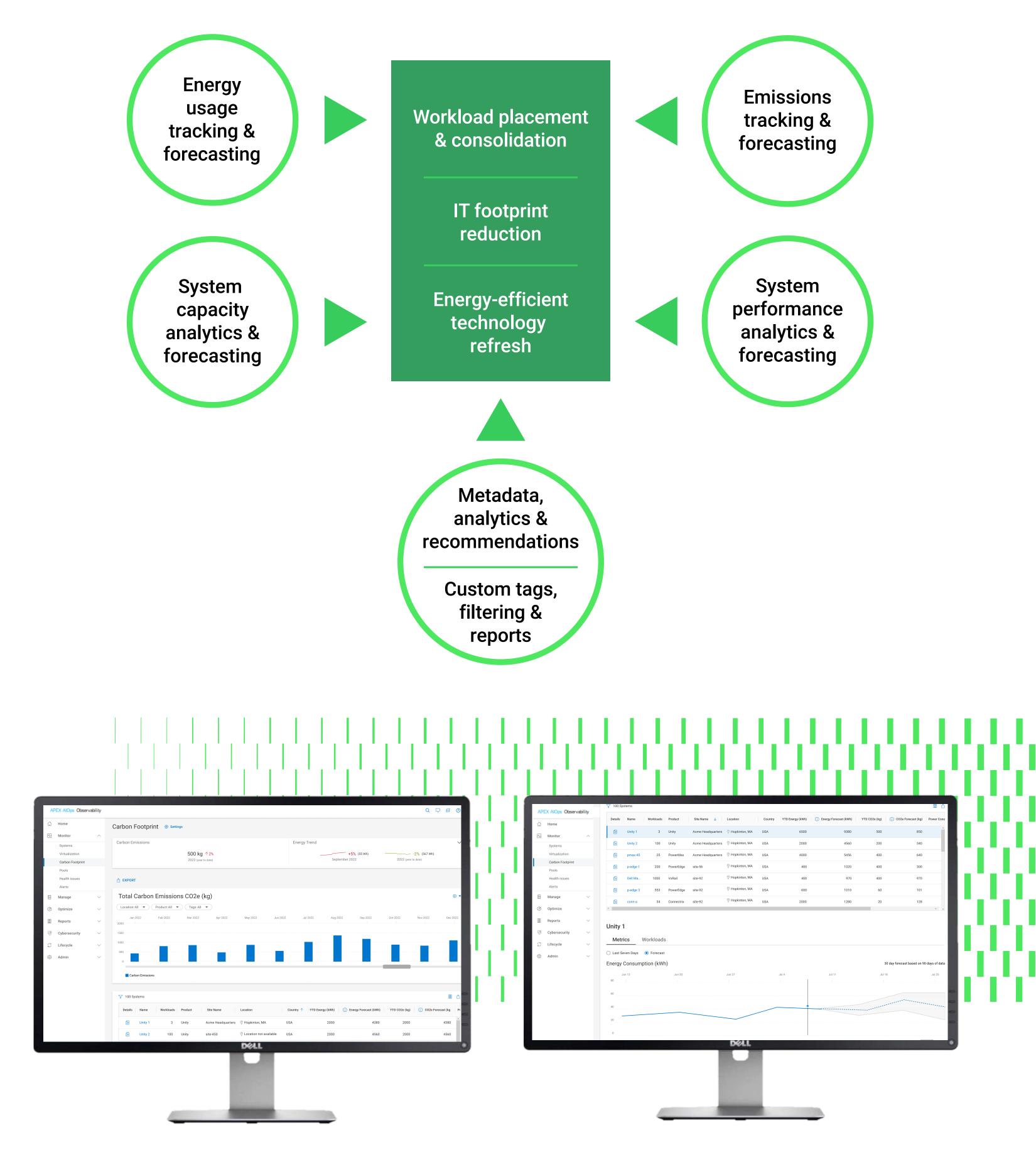
Infrastructure Observability -

AI/ML-based energy and use phase carbon footprint monitoring and forecasting for server, storage and network infrastructure.

Quarte

Infrastructure Observability combines IT infrastructure energy and emissions tracking and forecasting with IT infrastructure analytics, so you can make informed decisions about consolidating workloads and refreshing technology for energy efficiency to reduce IT and carbon footprint.

Infrastructure Observability: Intelligent Insights for Better Sustainability Decisions



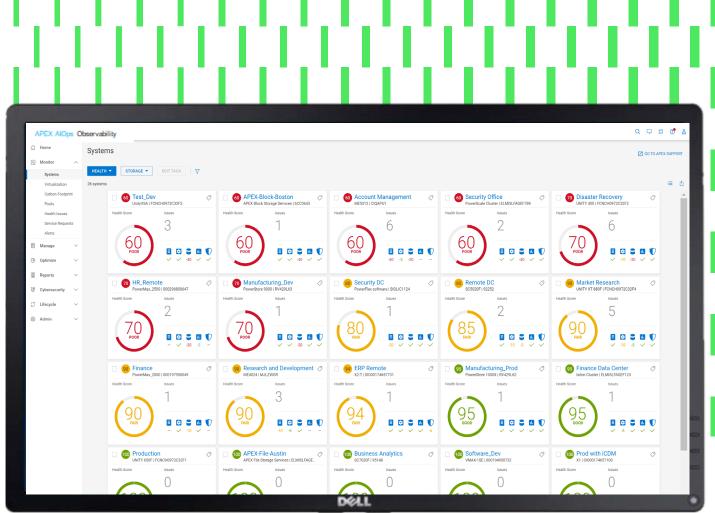
Reduce Risk of Missing Sustainability Goals

- Track energy usage and use phase carbon footprint at organization, system and workload levels
- Assure accurate calculation with IEA* CO₂e emission factors and standard PUE** ratio or customize them yourself
- See power usage anomalies
 - *International Energy Agency **Power Usage Effectiveness

Plan Ahead with Sustainability Trends

- Forecast energy usage and use phase carbon footprint at system & workload levels
- See organization level trends and year-to-year comparisons
- Understand server load and storage capacity in context with energy usage

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â	Carbon Footprint	@ s	ettings												
-	oursen rootprint														
	Carbon Emissions							Energ	gy Trend						
Ø	500 kg ↑ 2.23% 2023 (year to date)							55 kWh ↓ 5.0% August 2023			2023 (year to date)				
19															
O	Y 24 systems														₾
S	Clear All	\times	Details	Name		Product 1	Site Name	Location	Country	(i) I	Energy Forecast ((i) YTD Er	nergy (kWh	(j) YTD CO2e (kg)	() CO2
ŝ	Product > Unity		۵	SRDF LI	NK	Connectrix	ACME Branch	V Hopki	US		2,275.0		1,516.667	882	^
	> 🗌 VxRail		۵	Product	ion W	Connectrix	ACME Headq	Roun	US		2,275.0		1,516.667	882	
	PowerEdge Connectrix		۵	Dev SA	N	Connectrix	ACME Headq	💡 Roun	US		2,275.0		1,516.667	882	
	Tags	_	٩	Product	ion S	Connectrix	ACME Headq	💡 Roun	US		2,275.0		1,516.667	882	
	Key	٩	Stretch	Clust	Connectrix	ACME Branch	V Hopki	US		2,275.0		1,516.667	882		
	DataCenter		۵	Product	ion E	Connectrix	ACME Branch	💡 Hopki	US		2,275.0		1,516.667	882	
	BusinessUnit		۵	iDRAC.4	45NY	PowerEdge	ACME Headq	🛛 Hopki	US		2,275.0		1,516.667	882	
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	Location		Þ	WIN-SY	S02P	PowerEdge	ACME Headq	V Hopki	US		2,275.0		1,516.667	882	





Improve Sustainability Productivity

- Eliminate manual tracking and reporting with continuous, automated monitoring and calculation
- Export data to spreadsheets; customize, schedule, export and share reports
- Integrate data with other applications through REST API to improve cross-operations collaboration and automate actions to help meet your sustainability goals

Make Informed Sustainability Decisions

- Combine system sustainability, health, capacity, performance and cybersecurity insights to help reduce your IT and carbon footprint
- Track system and workload efficiency to know when and where to optimize, consolidate and reclaim workloads and resources
- Track and forecast system emissions to know when and where to refresh with modern, energy-efficient technology

Infrastructure Observability Validated Value

Resolves issues up to 10X times faster¹

Frees IT 1 day/week¹

APEX Infrastructure Observability comes with Dell ProSupport and ProSupport Plus Services at no additional cost. For demos, datasheets and white papers visit:

www.dell.com/apex-aiops

Based on a Dell Technologies survey of CloudIQ users conducted May - June 2021. Actual results may vary.

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