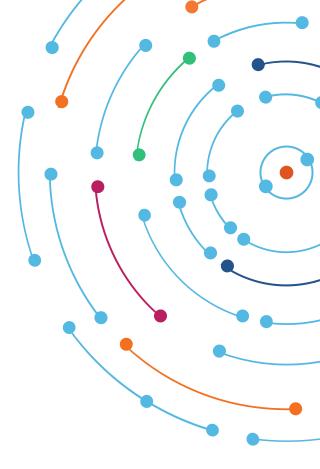


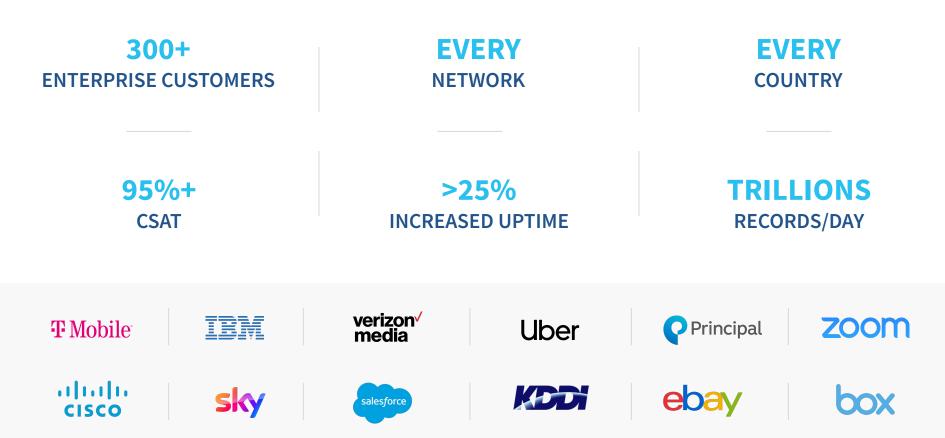
What is Network Observability? RSNOG November 2021

Nina

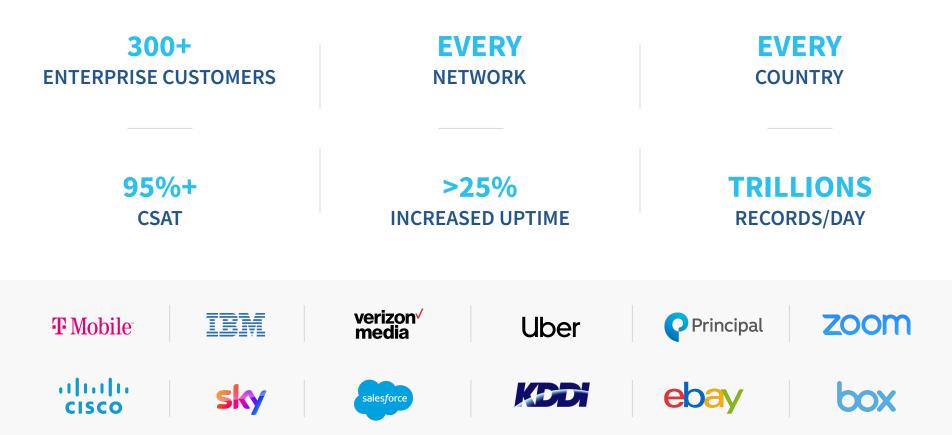
Director, GTM Strategy



A bit about Kentik



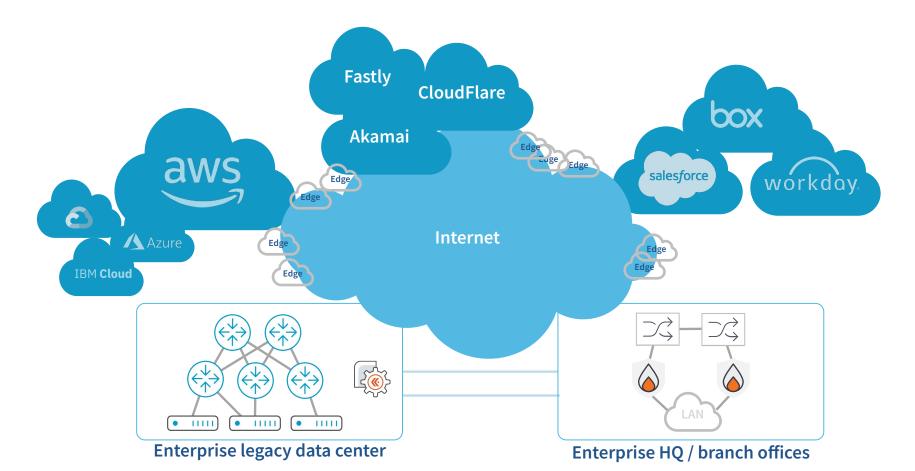
Kentik is the Network Observability Company

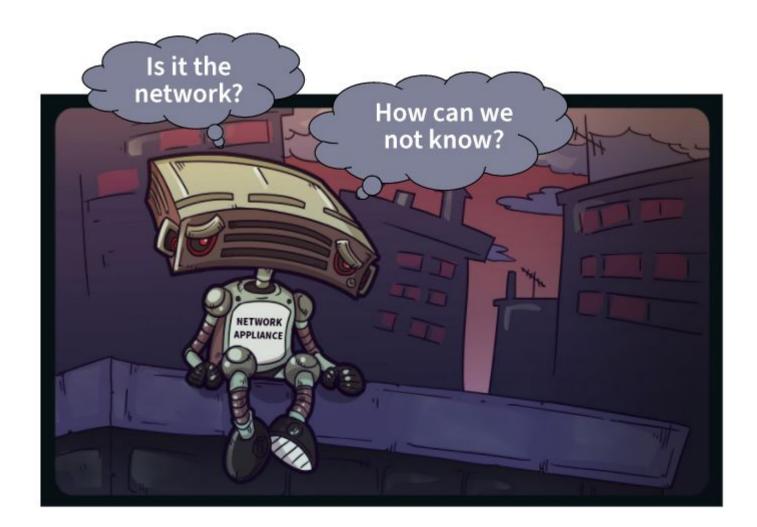


And a bit about me Nina Bargisen

- Director, Go To Market Strategy
- **Prior to this** I spent a couple of decades building the internet at Subspace, Netflix and TDC
- A passionate sailor

It's not all your network anymore



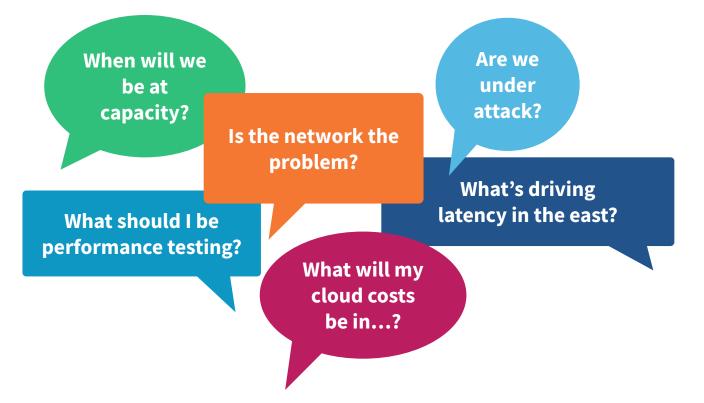


The observability wave

- **Observability** is the ability to understand system behavior by looking at its outputs
- Leading platforms are **challenged by networking constructs** (paths, prefixes, maps) and the numbers, particularly of IP addresses
- But observability CAN be for networks too! It requires:
 - Consuming high volume of network data
 - Learning and asking in network terms
 - Integrating with traditional observability data and platforms

What is network **OBSERVABILITY**?

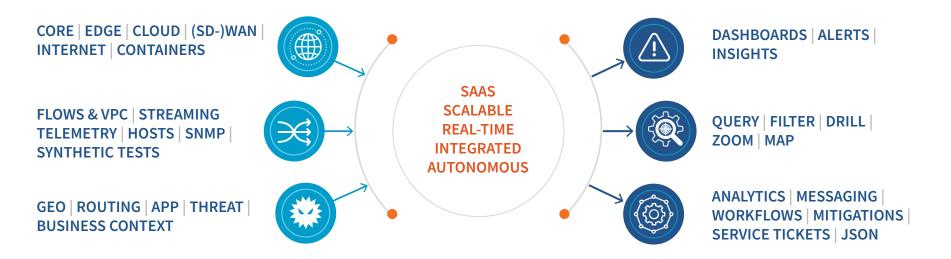
It's the ability to answer *any* question about your network



The six requirements for network observability



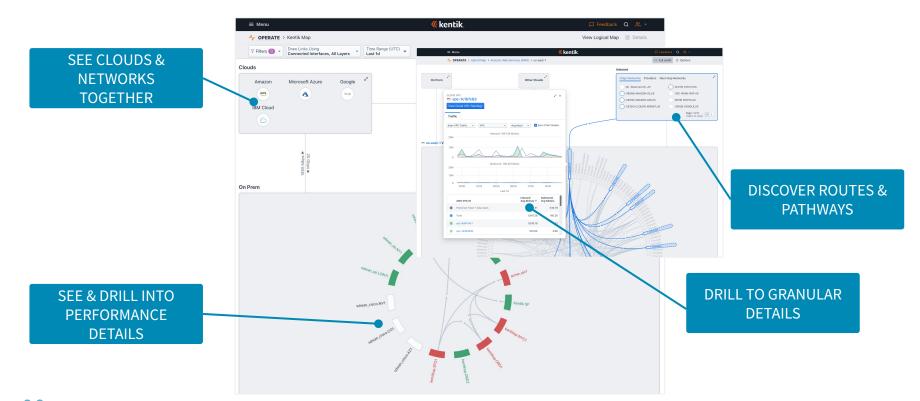
What Good Network Observability Looks Like



What Good Network Observability Looks Like



Requirement 1: See all networks



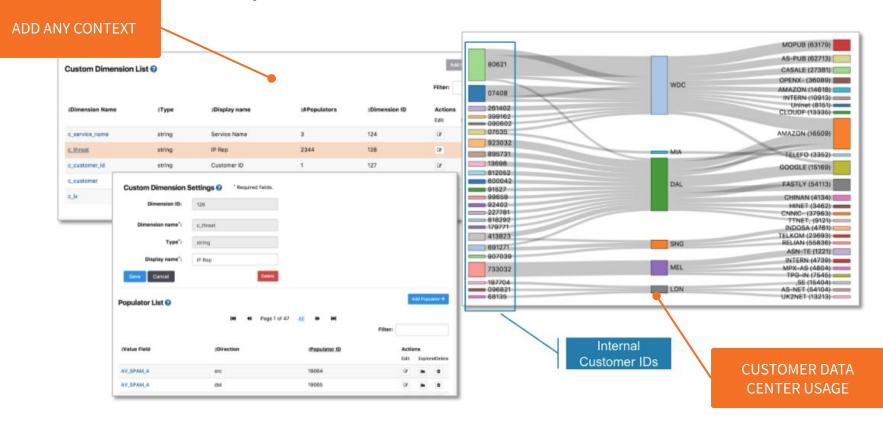
6 Why are Boston users having O365 issues? | Why is Azure slow to S3? | Can Fastly get to AWS well?

Requirement 2: Correlate traffic flows and performance tests



66 Was anything affected by PSI's outage? | What customers are having access issues?

Requirement 3: Understand in context



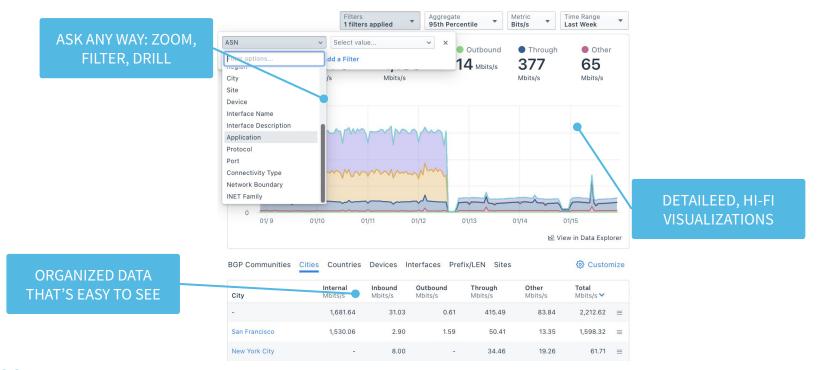
66 Which customers are filling my AWS interconnect? | What users are crypto mining?

Requirement 4: get insights that provide clarity

	w kentik.			Peeubauk Q	
Observation Deck + Add Visualizations					
Welcome to your Observation Deck Unleash the power of Network Observability! Observation Deck is your customizable home page to tailor your Kentik experience however you see fit. Dive hino your network data by adding curated Kentik content or add your favorite Data Explorer views through widgets. Make sure to check back frequently to check out new content highlighting new capabilities and specialize use cases.			Set as Default Homepage Don't ask r	Insights Overview	
				▼ Network Health (56)	
Traffic Overview = Traffic Overview = Total Internal Inte			Insights Overview	c143_iad1_kentik_com received 166% more	
			 Network Health (56) 	traffic than usual at this time of day.	
			c143_iad1_kentik_com received 166% more traffic than usual at this time of day. 6 hours ago	6 hours ago	
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2006 -				c245_lad2_kentik_com received 185% more traffic than usual at this time of day. 10 hours ago	7 hours ago
0				d251_iad2_kentik_com received 6164% more traffic than usual at this time of day. 11 hours ago	c245_iad2_kentik_com received 185% more
18:00 20:00 22:00 11/28 02:00 04	:00 06:00 08:00 10:00 12:00 1	14:00 16:00	18:00	d131_iad1_kentik_com received more traffic than usual at this time of day.	traffic than usual at this time of day. 11 hours ago
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ound 16.94	Inbound	16.94	Inbound		
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rrough 0.26	Through	0.26	Outbound		
					▲ d131 jad1 kentik com received more traffic than

usual at this time of day.

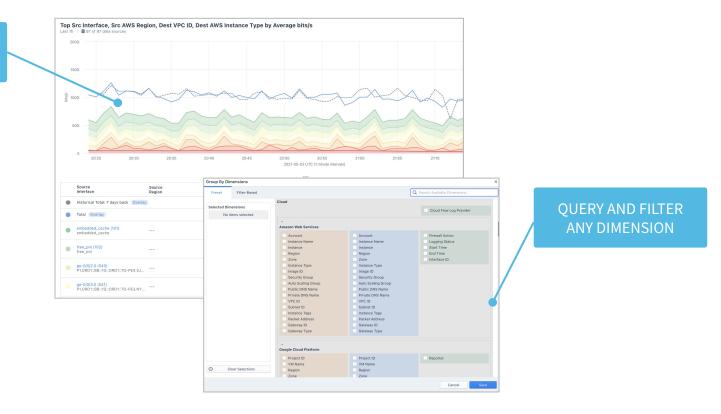
Requirement 5: Ask (and get an answer to) any question



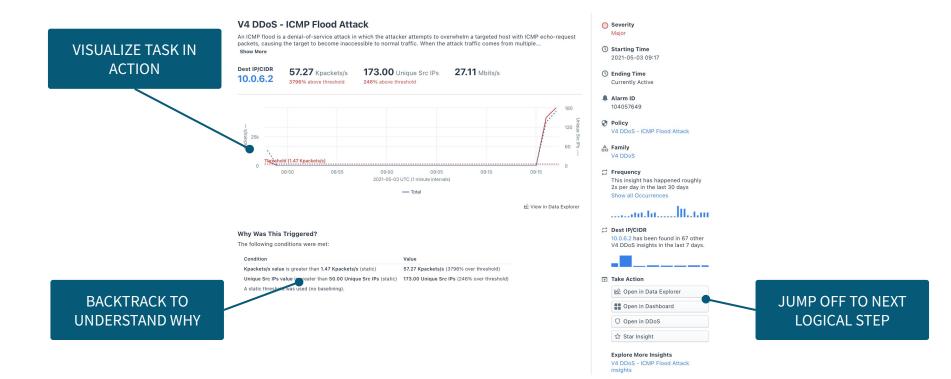
66 What's going on in Dallas? | Who's using 8.8.8.8? | Why is there still app traffic in that DC?

Requirement 5: Ask (and get an answer to) any question





Requirement 6: Automate routine tasks



Automate cost reporting | Manage capacity with no touch | Mitigate attacks as soon as we see them

What happens when you do it right



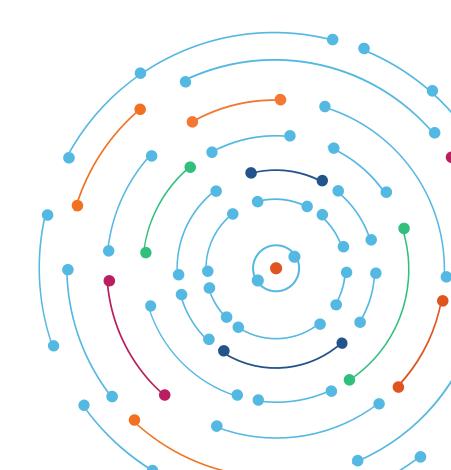
25% MTTR Improvement

30% Faster Ops Task Completion

_ _ _ _

20% OPEX Savings

Questions?



THANK YOU!

nina@kentik.com @nisssen333

Join Kentik Community on Slack: https://www.kentik.com/go/kentik-comm unity-slack-signup/

