



Elisity › Infrastructure › Cloud Control Center

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Infrastructure

Cloud Control Center

- [Introduction to Elisity Microsegmentation](#)
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- [Cloud Control Center Password Reset Procedure](#)

Design and Deployment

Virtual Edge

Virtual Edge (Previous Releases)

Identity

Policy

Release Notes



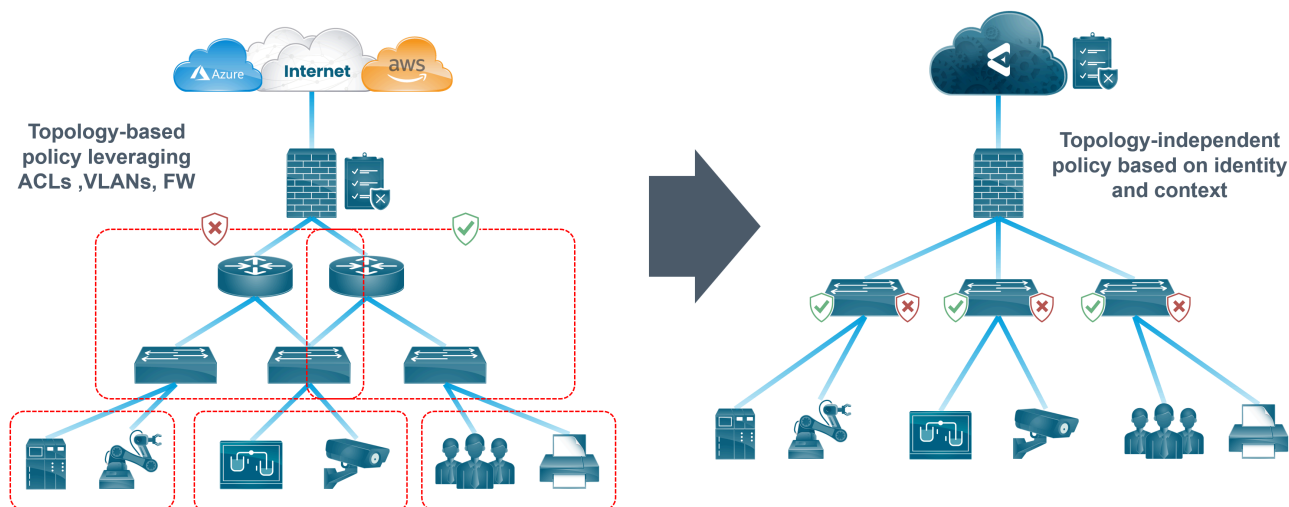
Taylor Colwell

May 10, 2023 12:41

Elisity is the only cloud delivered and cloud native identity-based microsegmentation solution that offers a policy plane actionable at the edge of the network.

Introduction

Thank you for your interest in Elisity Microsegmentation. Our solution aims to reduce the complexity that is commonly associated with deploy true microsegmentation in brownfield environments. With minimal prerequisites and the ability to leverage existing access-layer switching hardware, we are transforming the way dynamic edge segmentation is achieved. Elisity provides an intelligent and robust policy language based on identity and context rather than location or IP and is fully applicable to users, applications, and devices no matter who or what they are or where they might show up on the network.

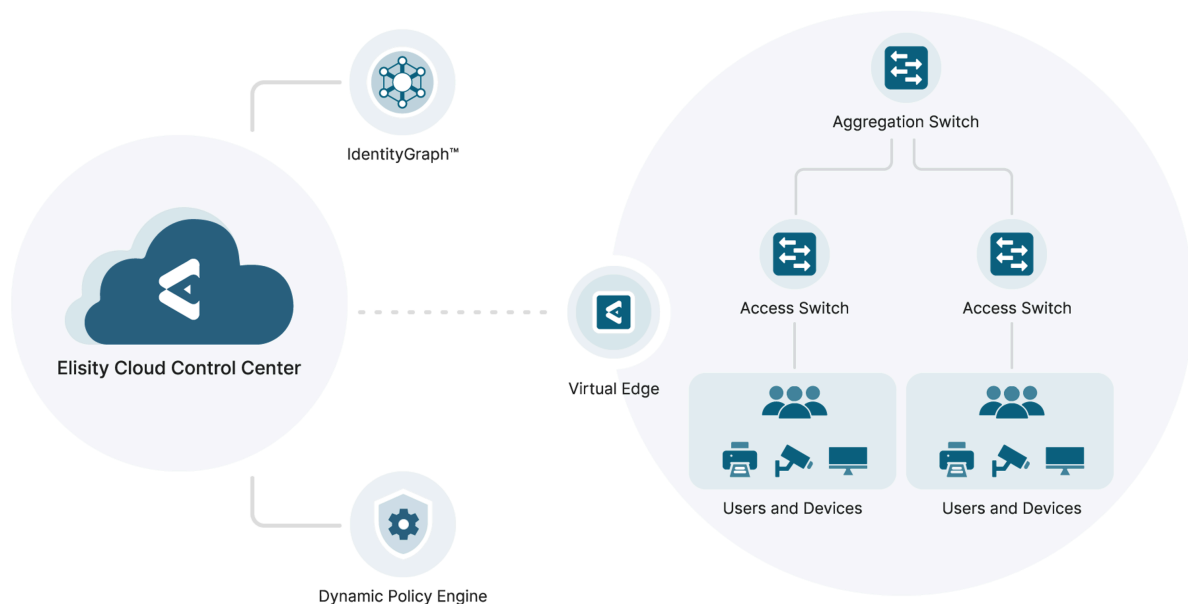


Components of Elisity



flexibility, performance, and security. The Elisity policy plane offers the industry the most comprehensive identity-based policy language while also achieving simplicity in its deployment and management methodology. The combined components of the Elisity architecture establish a holistic and continuously verified secure network that addresses every possible network-based vulnerability in the enterprise.

No Agents, No Hardware, Cloud-delivered Identity-based Microsegmentation.



There are several primary components:

Cloud Control Center - centralized policy management, visibility, and integration console

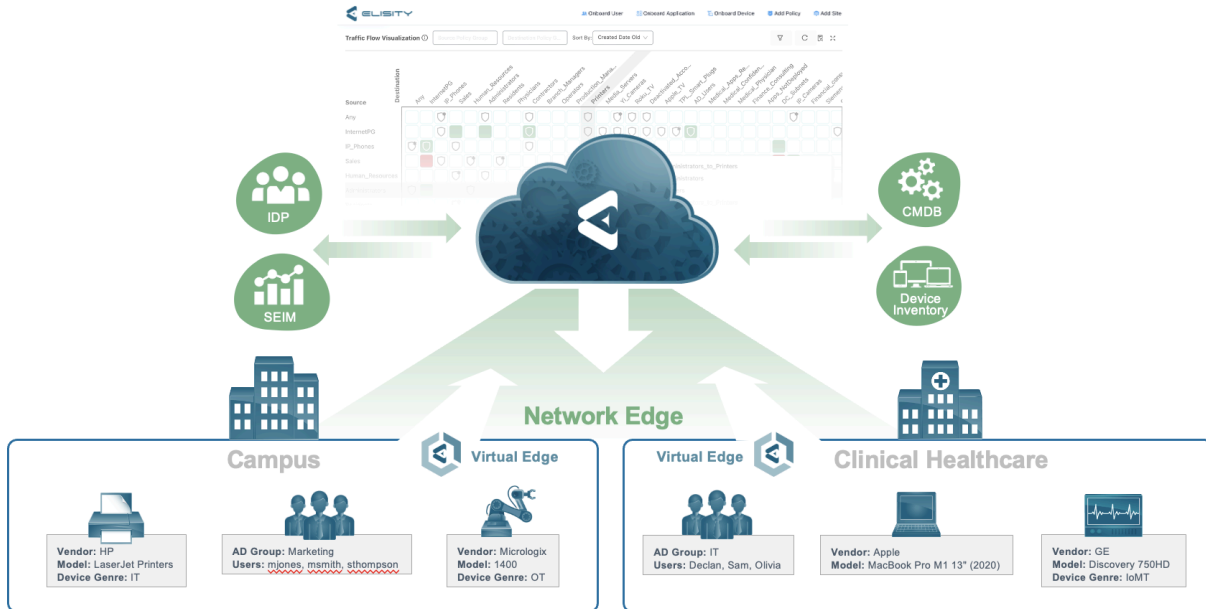
IdentityGraph - The single source of truth for asset identities on your network

Virtual Edge - controllers for policy enforcement points that translate data and policy between switches and Cloud Control Center.

Virtual Edge Nodes - access layer switches transformed into policy enforcement points.



Cloud Control Center as part of the Enterprise Ecosystem



Cloud-delivered | Visibility and Classification | Identity-based Policy Graph | Realtime Policy Distribution

Elisity Cloud Control Center is the management, control, and policy plane for Elisity. An administrator logs into the Cloud Control Center portal to provision, manage and monitor the Elisity fabric and all identity or cloud service provider platform integrations (Active Directory, AWS, Claroty, Medigate, ServiceNow etc). Among many other things, Cloud Control Center also provides multi-domain asset discovery and identity mapping and presents identify behavior analytics to the end-user. Within this portal, the network security administrator builds advanced contextual and identity-based policies that will immediately harden the edge of the entire enterprise network. Lastly, Cloud Control Center orchestrates applying these policies across all components of the Elisity architecture through a secure TLS based control channel. A dedicated Cloud Control Center is spun up on a per-customer basis and hosted as a service by Elisity. Cloud Control Center is based on a cloud native distributed micro services architecture designed to dynamically scale horizontally to meet the scale demands of large enterprises.

Within Cloud Control Center users can leverage identity data that has been gleaned about all assets discovered on the network to easily deploy policy, using our Graphical Policy Visualization Matrix. Users can also make policy decisions based on learned traffic flows from the Traffic Visualization Matrix.



User Dashboard

Overview Users Devices Policies Virtual Edges Analytics Logs and Events Settings

Time: 10/26/2023 11:56 PM

Users (190748)

Name	AD Member Of	Account ID	Department	Company	Title	IP Address	Logon Time	Last Seen	Email	Employee Type	Discovered Time
Aaren Eivangelin_		AEivangelin_3319437	joint bluish	ELISITY	Turkish Luke Skywalker	193.55.236.49	10/23/2023, 09:46 PM	10/26/2023, 01:42 AM		FTE	10/03/2023, 01:22 PM
Aaren Veronica_1	comparative tomato alpaca	AVeronica_1349190	endless bluish	ACME	Malay Mas Amedda	193.62.86.230	10/26/2023, 08:40 AM	10/26/2023, 08:40 AM		CONTRACTOR	10/03/2023, 01:20 PM
Abagail Betsy_78		ABetsy_7877338	mare magenta	ACME	Hmong Shaak Ti	193.120.167.108	10/26/2023, 01:10 PM	10/26/2023, 01:10 PM		CONTRACTOR	10/03/2023, 01:16 PM
Abigail Donny_1		ADonny_1397117	large chocolate	ACME	Kinundi Tion Medon	193.14.30.17	10/26/2023, 02:02 AM	10/26/2023, 02:02 AM		CONTRACTOR	10/03/2023, 01:20 PM
Abbe Hecla_8693	asleep yellow crane	AHecla_8693697	profitable red	ACME	Punjabi R4-P17	193.227.60.59	10/26/2023, 07:48 PM	10/26/2023, 07:48 PM		CONTRACTOR	10/03/2023, 01:22 PM
Abbey Siera_409	excessive gray raccoon	ASiera_4096853	simple sapphire	ELISITY	Kazakh Saesee Tin	193.137.90.112	10/25/2023, 02:19 AM	10/26/2023, 03:38 PM		FTE	10/03/2023, 01:21 PM
Abby Binny_2114		ABinny_2114176	thorough red	ELISITY	Hilgaynon Obi-Wan Kenobi	193.172.98.153	10/26/2023, 03:30 AM	10/26/2023, 03:30 AM		FTE	10/03/2023, 01:19 PM
Adah Elinore_611	furious amber snail + 2 M	AElinore_5118343	liquid beige	ACME	Belarusian Sly Moore	193.245.182.240	10/25/2023, 04:59 AM	10/26/2023, 08:59 AM		CONTRACTOR	10/03/2023, 01:17 PM
Adan Beatriz_480	circular lavender Impet	ABeatriz_4803798	innocent crimson	ELISITY	Igbo Jabba Desilijic Ture	193.127.135.133, 193	10/26/2023, 07:06 AM	10/26/2023, 10:16 AM		FTE	10/03/2023, 01:23 PM
Adan Tybe_5835	ready crimson takin	ATybe_583584	worthy lavender	ELISITY	Nepali Sly Moore	193.34.56.127, 193.1	10/24/2023, 08:41 PM	10/26/2023, 04:26 PM		FTE	10/03/2023, 01:21 PM
Addi Anthea_4014	alleged silver vulture	AAnthea_4014412	magnificent jade	ELISITY	Pashlo Obi-Wan Kenobi	193.227.32.170	10/26/2023, 01:53 PM	10/26/2023, 01:53 PM		FTE	10/03/2023, 01:20 PM
Addie Heidi_543		AHeidi_5433450	fat coffee	ACME	Assamese Boba Fett	193.215.139.119	10/26/2023, 02:36 AM	10/26/2023, 02:36 AM		CONTRACTOR	10/03/2023, 01:20 PM
Addie Melina_787		AMelina_7876530	clever yellow	ACME	Burmese Kit Fisto	193.101.22.239, 193.	10/26/2023, 10:53 AM	10/26/2023, 07:58 PM		CONTRACTOR	10/03/2023, 01:22 PM
Addy Kathrine_55		AKathrine_5532143	romantic emerald	ACME	Italian Ayla Secura	193.128.254.231	10/26/2023, 09:49 AM	10/26/2023, 09:49 AM		CONTRACTOR	10/03/2023, 01:18 PM
Adel Faye_22307		AFaye_2230777	horizontal moocasin	ACME	French Gregar Typho	193.150.221.232	10/26/2023, 07:41 PM	10/26/2023, 07:41 PM		CONTRACTOR	10/03/2023, 01:17 PM
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Adelaide Valerie_	coherent bluish primate	AValerie_2786292	colorful aqua	ACME	Turkmen Raymus Antilles	193.199.244.113	10/26/2023, 02:46 AM	10/26/2023, 02:46 AM		CONTRACTOR	10/03/2023, 01:17 PM
Adelle Dori_91486	dying chocolate loon	ADori_9148662	dynamic purple	ELISITY	Urdu Zam Wesell	193.231.212.248	10/26/2023, 12:41 PM	10/26/2023, 12:41 PM		FTE	10/03/2023, 01:22 PM
Adelle Leigha_51	variable aquamarine skink	ALeigha_5124771	zealous lime	ELISITY	French Dexter Jettster	193.210.177.74	10/26/2023, 06:08 AM	10/26/2023, 06:08 AM		FTE	10/03/2023, 01:21 PM
Adelheid Kai_905	relevant harlequin buzzard	AKai_9052393	eldest tan	ELISITY	Czech Jabba Desilijic Ture	193.44.203.213	10/25/2023, 08:17 PM	10/26/2023, 02:47 PM		FTE	10/03/2023, 01:20 PM
Adelice Jacquelyn_	hollow amber wolverine	AJacquelyn_7539125	breakable azure	ELISITY	Magahi Poggle the Lesser	193.121.108.110, 193	10/26/2023, 03:42 AM	10/26/2023, 03:58 PM		FTE	10/03/2023, 01:20 PM
Adeline Minette_E		AMinette_6301330	racial aquamarine	ELISITY	English Jar Jar Brinks	193.145.26.204	10/26/2023, 08:47 PM	10/26/2023, 08:47 PM		FTE	10/03/2023, 01:20 PM
Adelina Romonda	entire coral loon	ARomonda_4453799	hurt yellow	ACME	Uzbek Jocasta Nu	193.66.225.100	10/24/2023, 03:49 PM	10/26/2023, 05:27 AM		CONTRACTOR	10/03/2023, 01:16 PM

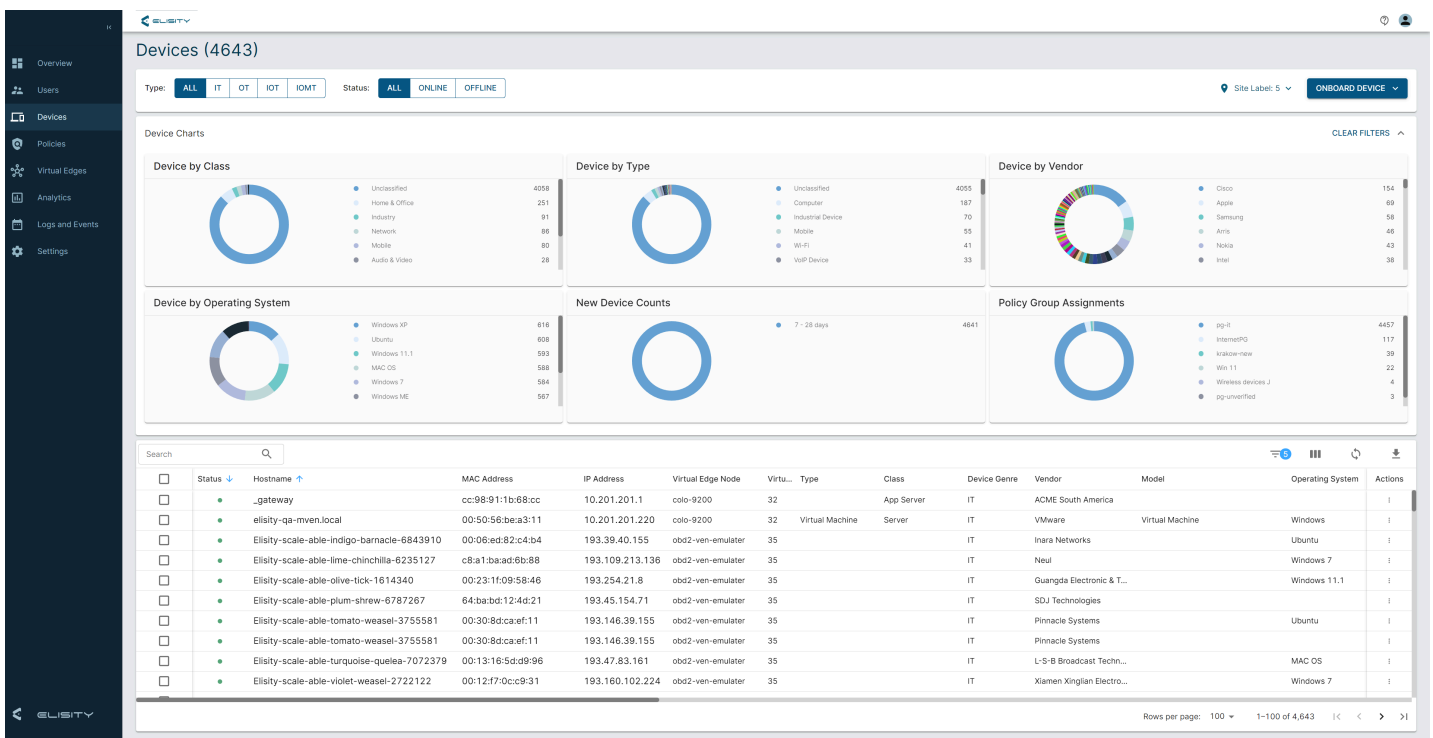
The User Dashboard is your gateway to a comprehensive view of all imported users, courtesy of our integrated Identity Provider (IDP), which, in this case, is Active Directory. Here's how you



a tabular format. You have the option to sort, filter, and explore data with ease.

- **Asset Details:** By clicking on a user's name, you can dive deeper into the Asset Details window, which provides a holistic view of all available data related to that user. This includes login event history, current login status, policies, and other vital traffic flow information.
- **Login Insights:** Keep track of user login events and their current login status directly from this dashboard, allowing you to monitor user activity efficiently.

Device Dashboard



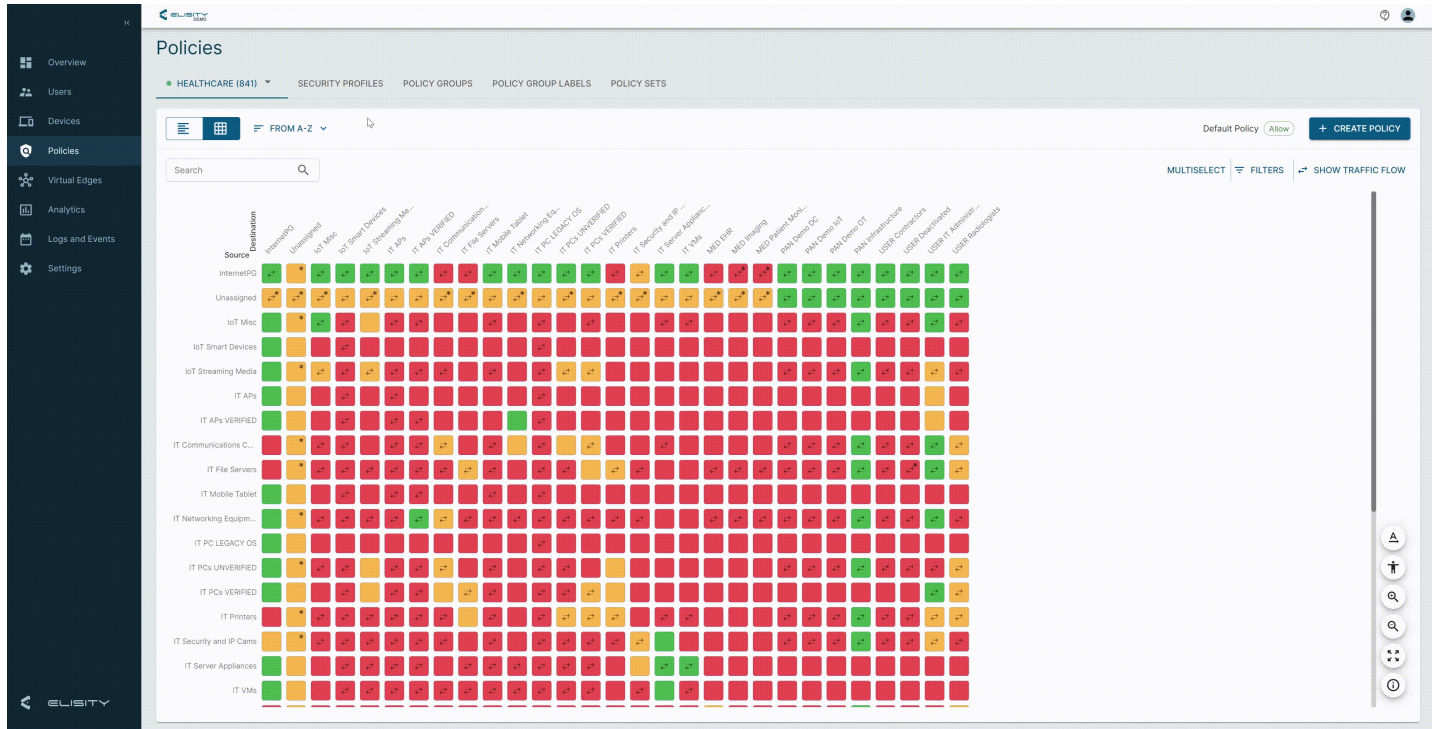
The Device Dashboard serves as a comprehensive inventory of all discovered devices within your network.

- **Inventory Management:** Easily manage and keep track of discovered devices by employing sorting and filtering criteria tailored to your needs.
- **Asset Insights:** Clicking on a device opens the "Asset Details" view, offering a wealth of information about the device, including data we've collected, telemetry data, and policies



ELISITY

Policies Dashboard



The Policies Dashboard serves as the central hub for crafting, overseeing, and deploying Policy Groups and Policies. While there are numerous features packed into this dashboard, let's focus on two key processes:

- **Policy Group Creation:** Design and configure Policy Groups to suit your network's unique requirements. This step is vital for establishing a structured and effective network security policy framework.
- **Policy Deployment:** Utilize our Graphical Policy Visualization Matrix to deploy policies seamlessly. This visual representation of deployed Policy Groups and their associated policies simplifies the deployment process.

Our Policy Matrix offers two modes:

- **Graphical Policy View:** This mode enables you to deploy policies between groups with just a few clicks, streamlining the policy deployment process for increased efficiency.



IdentityGraph™

At the heart of Elisity's pioneering approach to network security and management is **IdentityGraph™**.

What is IdentityGraph? Identity Graph is an intricate map that provides a holistic view of every entity in your network ecosystem. It doesn't just see devices or users; it perceives relationships, roles, and patterns. In essence, it translates the raw, complex data of your network into a comprehensible visual story.

How Does it Work? The power of Identity Graph lies in its ability to constantly evolve. As devices and users interact, the graph adjusts, learning and refining its understanding. This adaptability ensures that you're not just seeing a static snapshot of your network but a dynamic, real-time portrayal of its state.

Why is it Pivotal to the Elisity Experience? Here's where the real magic happens:

- 1. User Dashboard:** When you glance at the User Dashboard, what you're seeing is a distilled, user-centric view from the Identity Graph. It provides a clear, concise snapshot of who is on your network, their roles, their behaviors, and any potential risks they might represent.
- 2. Device Dashboard:** Similarly, the Device Dashboard offers a lens into the devices' perspective of the Identity Graph. Whether it's a trusted workstation or a newly connected IoT device, you'll get a complete picture of every device's activity, security posture, and identity data discovered through our robust Identity Engine.
- 3. Policy Creation in the Matrix:** Beyond just understanding your network, the Identity Graph empowers you to act. When creating policies in the matrix, the insights derived from the Identity Graph ensure that your policies are not based on mere guesswork. Instead, they're sculpted from a deep understanding of the user-device relationships, interactions, and historical patterns. This means your policies are precise, effective, and adaptive.

Identity Graph is not just a feature; it's at the core of the Elisity solution. It embodies the fusion of dynamic and intelligent device discovery with action, providing enterprises with clarity and precision in the complex world of network management.



west and north-south identity based zero trust control and microsegmentation at the network edge. Once deployed, Elisity Virtual Edge gleans identity metadata from traffic flows, collects flow analytics, and detects IT/OT/IoT/IoMT devices. This information is shared with Cloud Control Center where additional identity and policy classification occurs. Through a secure Elisity control channel, a policy is distributed to the appropriate Virtual Edges in the network which in turn is enforced using switch native functionality on the access switch closest to the endpoint.

For more information on design options for deploying Elisity Virtual Edge, [click here](#).

Virtual Edge is the primary deployment methodology for campus and large branch customers. There are multiple ways to insert Elisity Virtual Edge into your network. Those methods consist of hosting the software directly on switches using the native built in application hosting functionality, or **hosting the software as a VM on your hypervisor of choice and onboarding switches to the Virtual Edge VM**. Elisity Virtual Edge (switch hosted) is a container-based solution that allows an organization to run Elisity software directly on edge switches or aggregation layer switches deployed across the enterprise network. Virtual Edge can be installed on supported network switches with application hosting capabilities (i.e., Cisco, Extreme Networks, Arista, etc.). Virtual Edge VM (hypervisor hosted) can be run as a VM anywhere in the network with control and data connections to compatible switches. The Virtual Edge code can glean identity metadata, learn device/user/application behavior and configure switch native access controls based on Elisity Policy.

Elisity Virtual Edge Node

Elisity can transform your [supported switches](#) into policy enforcement points with minimal friction. All you need to begin onboarding Virtual Edge Nodes (VENs) is a Virtual Edge deployed anywhere in your network with connectivity to the switches you want to onboard. It's then as simple as loading a few required configurations on the switch, and inputting the network address and credentials for your desired switches. Many Virtual Edge Nodes can be "controlled" by the same Virtual Edge, and you can onboard many VENs with one click using bulk-onboarding functionality. The flexibility and ease of deployment using this model is unparalleled, and many of our customers are surprised at just how easy and fast it is to deploy Elisity.



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