

# eyeSight

The Definitive Source of Truth for Every Connected Asset



## Agentless

Gain a unified, real-time inventory of network-connected assets including their security and risk posture.



## Accurate

Classify every device to gain context for building proactive security and compliance policies.



## Effective

Automate repetitive tasks like measuring and reporting compliance posture and cyber risk exposure while minimizing human error.



## Efficient

Gain real-time assurance that security tools and compliance controls are working properly.

Forescout eyeSight delivers unparalleled insight into every connected asset through deep integration into your network fabric.

- ▶ Discover your entire asset inventory with over 30 active and passive techniques that reveal coverage gaps across your organization, providing a real-time view of your attack surface
- ▶ Automate asset classification and build comprehensive profiles that include known risks and vulnerabilities with threat intelligence powered by Vedere Labs
- ▶ Prepare to face new threats as they emerge by leveraging cloud-based machine learning that continuously improves Forescout's Device Cloud, a proprietary source of device intelligence with over 30 billion unique data points
- ▶ Continuously assess an asset's status, risk posture, and policy compliance without needing an agent to be installed, which is essential for protecting IoT, IoMT, and OT assets
- ▶ Multiply your forces while minimizing human error with automated reporting on compliance posture and cyber-risk exposure, letting you focus your efforts on what matters most



## Discover

- ▶ See devices the instant they connect to the network
- ▶ Continuously monitor as transient devices come and go
- ▶ Get a real-time asset inventory that uncovers visibility gaps



## Classify

- ▶ Identify diverse types of IT, IoT, IoMT, and OT devices
- ▶ Harness the power of Device Cloud for full device context
- ▶ Improve auto-classification efficacy, coverage, and speed



## Assess

- ▶ Identify security exposures and compliance gaps
- ▶ Assess adherence to internal and external mandates
- ▶ Gain situational awareness of cyber and operational risk



## Discover

### Real-time Deep Discovery

Eliminate blind spots and minimize risk with complete visibility across every facet of your organization:

- Physical and SDN infrastructure including switches, routers, wireless access points, and controllers
- Laptops, tablets, smartphones, BYOD/guest systems, work-from-home devices
- IoT assets in campus networks, data centers, branches, remote sites, and edge networks
- Public and private cloud instances across Amazon Web Services, Microsoft Azure, and VMware environments
- Operational technology (OT) and industrial control systems including HMIs, SCADA, PLCs, building management systems (BMS), and building automation systems (BAS)
- IoMT devices in hospitals and healthcare delivery networks (HDO) like infusion pumps and diagnostic equipment

### Customize Discovery and Monitoring Techniques for Your Environment

Leverage the flexibility of 30+ active and passive monitoring techniques across wired, wireless, VPN, and virtual/software-defined networks so you can avoid disrupting assets that are sensitive to active scanning techniques, while also ensuring discovery across both IPv4 and IPv6 address spaces.

### eyeSight Solves For:

- ▶ **Visibility gaps** caused by siloed teams and infrastructure including switches, disparate security tools
- ▶ **Operational and business risks** due to error-prone manual processes
- ▶ **Incomplete device intelligence** hindering the execution of security policies
- ▶ **Security gaps** when agent-based tools are not up to date or functioning properly
- ▶ **Undetected rogue devices** or MAC spoofing
- ▶ **Noncompliance** that can quickly emerge between point-in-time scans

#### ACTIVE TO INFRASTRUCTURE

Network infrastructure polling

SDN integration

- Meraki
- Cisco ACI

Public/Private cloud integration

- VMware
- AWS
- Azure

Query directory services (LDAP)

Query web applications (REST)

Query databases (SQL)

eyeExtend orchestrations

#### PASSIVE TO ASSET

SNMP traps

SPAN traffic Flow analysis

- NetFlow
- Flexible NetFlow
- IPFIX
- sFlow

DHCP requests

HTTP user-agent

TCP fingerprinting

Protocol parsing

RADIUS requests

#### ACTIVE TO ASSET

Agentless Windows inspection

- WMI
- RPC
- SMB

Agentless macOS, Linux inspection

- SSH

NMAP

SNMP queries

HTTP queries

Forescout SecureConnector®



## Classify

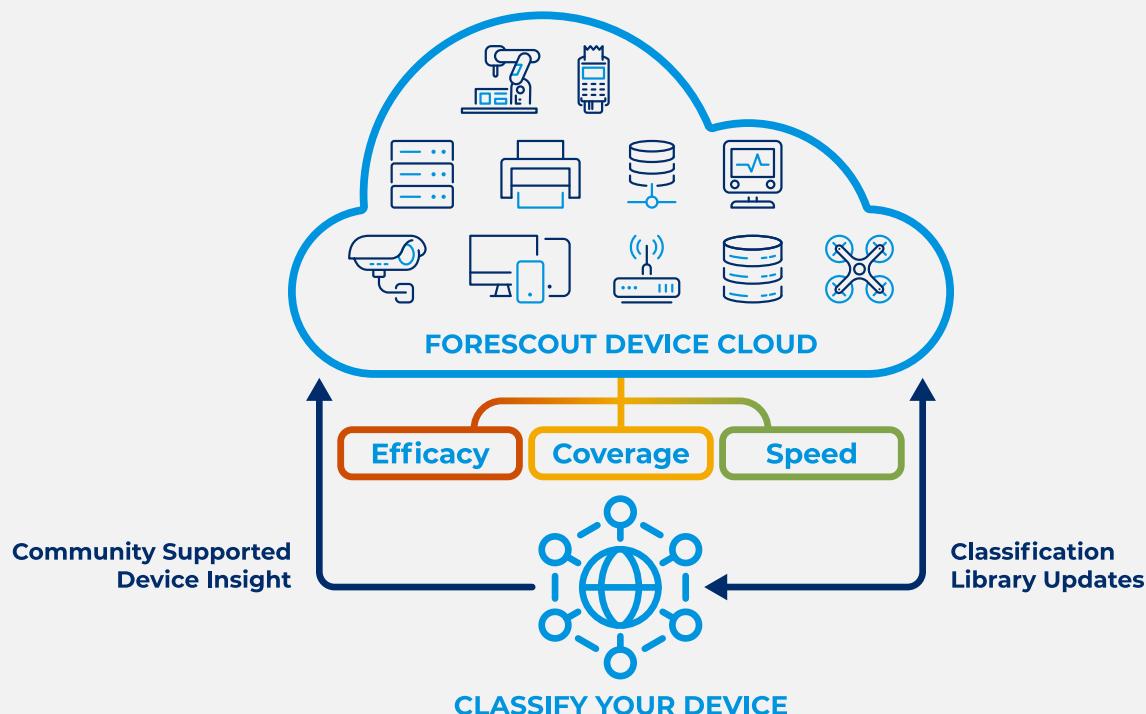
### Intelligent Auto-Classification

Implementing security policies without full asset context can lead to undesirable outcomes that may put operations at risk. Unique to Forescout, Device Cloud is the largest repository of device intelligence gathered from over 50 million devices and automatically provides comprehensive context for every connected asset. Our multidimensional classification taxonomy identifies device function and type, operating system and version, and vendor and model. This includes:

- More than 1,900 different operating system versions
- Over 7,700 different device vendors and models
- Healthcare devices from over 400 leading medical technology vendors
- Thousands of industrial control systems and automation devices used across manufacturing, energy, oil and gas, utilities, mining, and other critical infrastructure industries

### Automated Classification Powered by Forescout Device Cloud

Device Cloud, the world's largest repository of asset intelligence, provides the most complete and accurate understanding of asset risk within any organization.



Function	+	Operating System	+	Vendor & Model
<ul style="list-style-type: none"> <li>&gt; Tablet</li> <li>&gt; Wireless Access Point</li> <li>&gt; Printer</li> <li>&gt; VoIP Server</li> <li>&gt; Point of Sale</li> <li>&gt; X-ray</li> <li>&gt; HVAC System</li> </ul>	+	<ul style="list-style-type: none"> <li>&gt; Windows</li> <li>&gt; Windows Server</li> <li>&gt; OSX</li> <li>&gt; iOS</li> <li>&gt; CentOS</li> <li>&gt; Android</li> </ul>	+	<ul style="list-style-type: none"> <li>&gt; Apple iPad</li> <li>&gt; Apple iPhone</li> <li>&gt; Apple Airport</li> <li>&gt; 3M Control System</li> <li>&gt; GE Water Processor</li> <li>&gt; Hitachi Power System</li> <li>&gt; Hoana Medical</li> </ul>

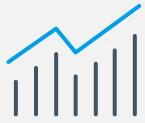


## Assess

### Agentless Posture Assessment

eyeSight continuously discovers assets and immediately assesses the configuration, posture, and risk indicators of the asset to understand whether they adhere to compliance mandates and security policies. Policies can help better quantify risk by assessing compliance conditions such as:

- Is security software installed, operational and up-to-date with the latest patches?
- Is the asset critical to business operations?
- Are any assets running unauthorized applications or violating configuration standards?
- Are assets - especially IoT, IoMT, and OT systems - using default or weak passwords?
- Have rogue assets been detected, including those spoofing legitimate assets?
- Are assets communicating over IPv6 being properly discovered, classified, and assessed for risk?
- Which of your connected assets are most vulnerable to the latest threats?



## Monitor

### View Compliance Insights

Gain actionable insights from out-of-the-box dashboards that quickly pinpoint, prioritize, and proactively mitigate risks across your organization. Customizable dashboard views help security analysts and SOC teams:

- Assess risk and compliance progress across all or any subset of policies
- Identify vulnerable and compromised devices to accelerate and focus incident response
- Track compliance trends over time
- Personalize and share executive and auditor ready views of risk and compliance data
- Quickly search and filter assets by policy or device attributes



## Segment, Orchestrate and Enforce

The Forescout 4D Platform™ extends the value of eyeSight with a suite of automated cybersecurity capabilities to design and implement unified security policies for network access control, dynamic network segmentation, and provides the foundation for Zero Trust security.

Visit [www.forescout.com/platform/](http://www.forescout.com/platform/) to learn about the Forescout 4D Platform™.