FORESCOUT

ZERO TRUST – QUICK START

A 5-Step Guide to Rapid Implementation

Step 1

Start with full visibility

Lack of visibility into connected devices prevents you from being able to design and manage efficient and secure network flows. Visibility needs to go beyond IT and deep into IoT, OT and industrial control systems.

Step 2

Gain valuable insight into traffic patterns and system interdependencies

You must be able to not only see the connection status of devices, but also the protocols being used to communicate. Traffic-flow data married to how entities communicate across all networks helps you to establish communication baselines that can be used to create a segmentation policy.

Fast fact

Nearly **45%** of IoT devices on financial services networks are printers... and they are often on the same segment as financial services POS systems. [1]

Step 3

Correlate access and users based on least privilege and provision them into dynamic network segments

Least privilege is a core principle of Zero Trust. You must be able to correlate user information with data on device configuration, security state and compliance. This allows you to provide resource access based on both device and user insights.

Step 4

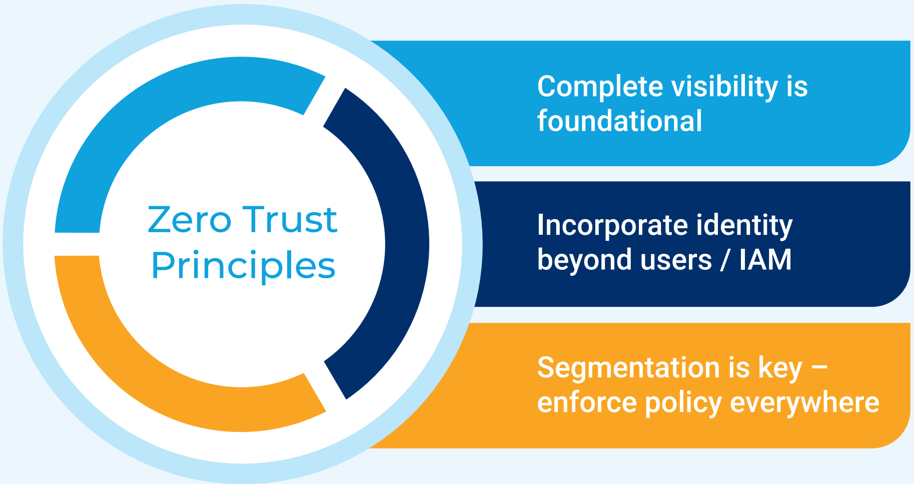
Build automation policies that continuously monitor devices and enforce segmentation

Today's leading solutions provide policy-based segmentation assignment that work in concert with your switches, routers and enforcement points to provide continuous protection.

Step 5

Ensure your security tools are integrated into a central access control point from data center to OT, IoT and cloud

Insufficient security tool integration and information exchange create blind spots in your ZTX strategy. An efficient solution will coordinate multivendor enforcement points and execute controls across physical and virtual environments, reducing the number of consoles.



Zero Trust Principles

- Complete visibility is foundational
- Incorporate identity beyond users / IAM
- Segmentation is key – enforce policy everywhere

> “**A key piece** of this whole thing is knowing what is supposed to be occurring, being able to control it and then respond to it”
>
> *– Dr. Chase Cunningham, Principal Analyst at Forrester*

Download the white paper Total Visibility: The Master Key to Zero Trust to learn more.

Download

[1] Forescout Banking on Security – leveraging device data to manage risk in Financial Services

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