Splunk for Zero Trust

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Agenda

What is Zero Trust



Why is Zero Trust Relevant



How Does Splunk Help



How to Get Started



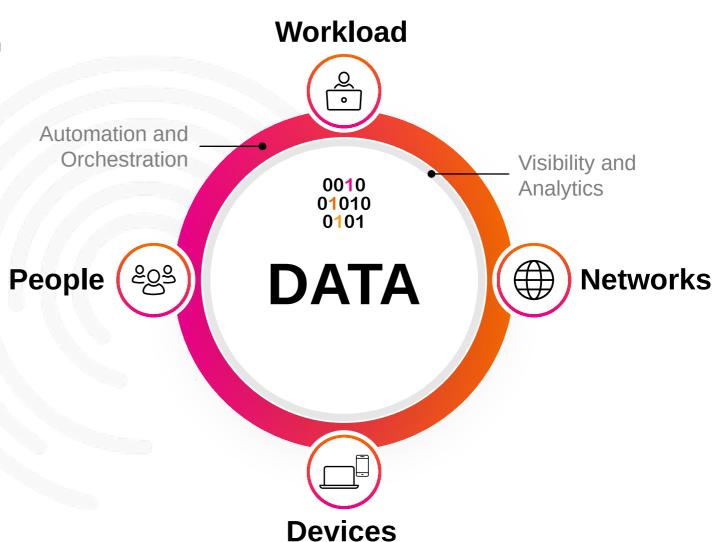


Introduction

What is zero trust & why is it important

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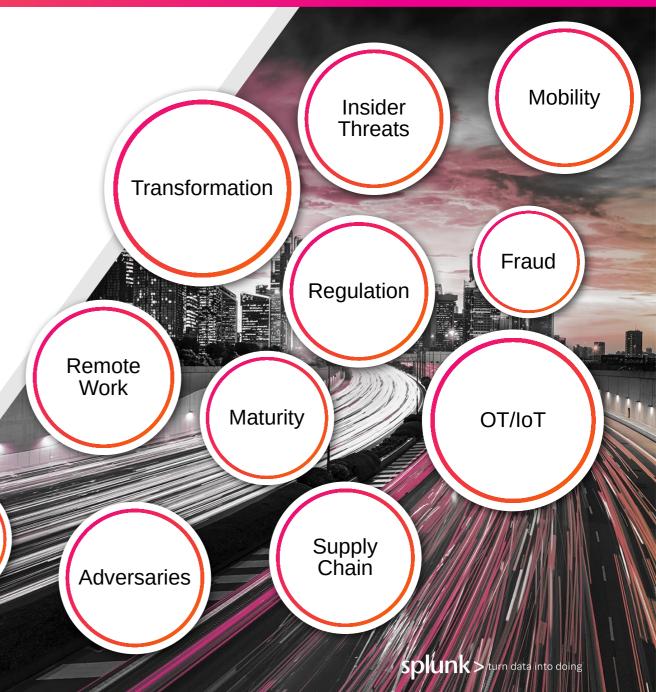
Let's Agree...
What Is
Zero Trust?





And why has it taken so long to get here

Guidance



Six Pillars of a Zero Trust Architecture

Data is the fundamental enabler of Zero Trust

1 Users

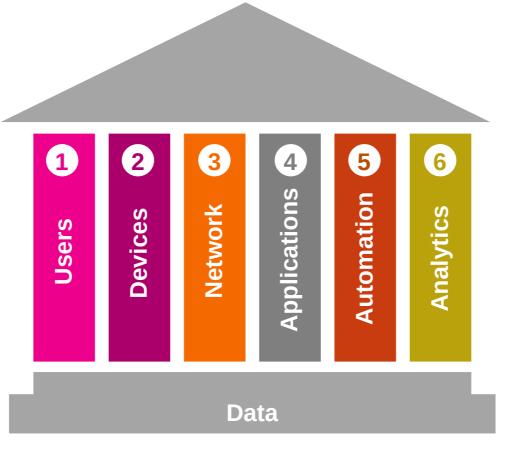
Ongoing authentication of trusted users. Continuous monitoring and validating user trustworthiness to govern their access and privileges.

2 Devices

Real-time cybersecurity posture and trustworthiness of devices

3 Network

The ability to segment, isolate, and control the network, including Software Defined Networks, Software Defined Wide Area Networks and internet-based technologies continues to be a pivotal point of security



4 Applications

Securing and properly managing the application layer as well as compute containers and virtual machines plus the data provided by these applications

5 Automation

Security Automation and Orchestration automate tasks across products through workflows while allowing for end-user oversight and interaction

6 Analytics

Visibility and Analytics - tools like security information management, advanced security analytics platforms, security user behavior analytics, and other analytics systems to enable security experts to observe in real time what is happening and orient defenses more intelligently

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Source: Zero Trust Cybersecurity Current Trends, April 18, 2019, ACT-IAC



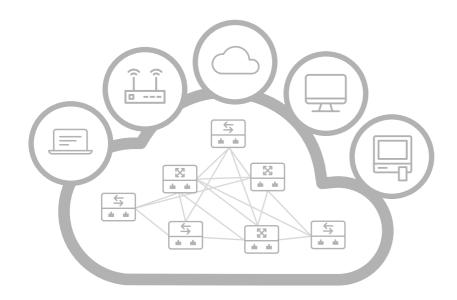
How Does Splunk Help?

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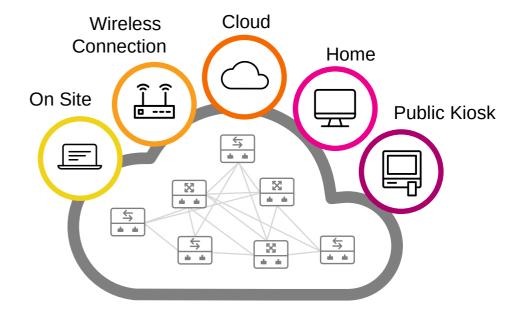
Data Access in Zero Trust

The level of risk determines the access

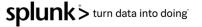
Traditional Network



Zero Trust Network



Data Sensitivity



DevOps/

DevSecOps

Data Categorization

Data is not all equally important. Different data needs to be categorized based on sensitivity and mission criticality.

Traditional Classification

Zero Trust Classification



Same Types of Protection



Employee Vacation Schedules

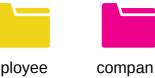
company Budget M



Sensitive Messages

Protections are built to the level of risk

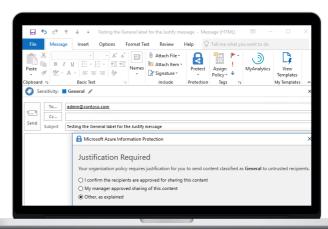
Budget



Employee Vacation Schedules



Sensitive Messages



Data Sensitivity

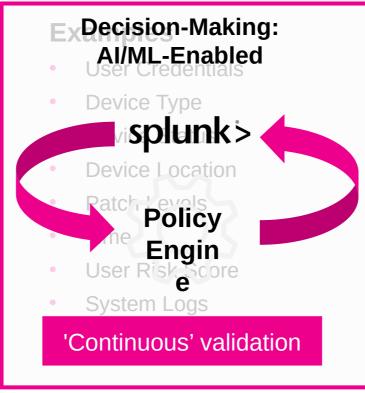


Instrumentation Case In Point: "Zero Trust"

Who seeks access?







To which targets?

Fine-Grained Authorization and Access Control

Application







Classified DB







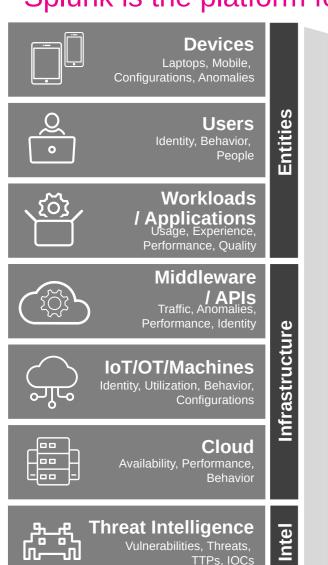


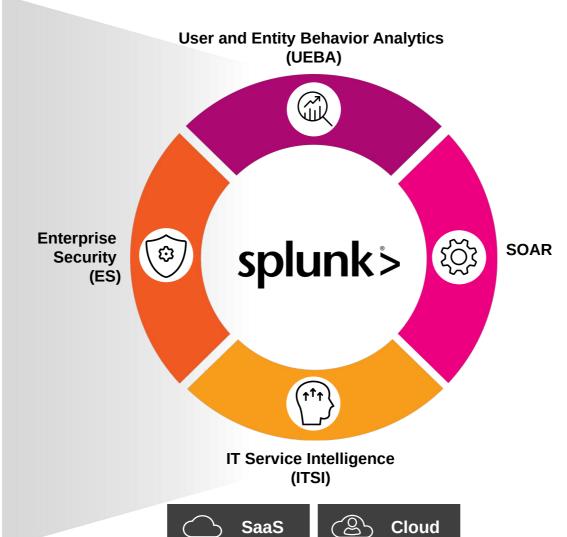
Case Management

WITH SECURITY FOR DATA THROUGHOUT

Your Data is the Foundation for Zero Trust

Splunk is the platform for continuous monitoring, visibility, analytics and automation





Continuous Monitoring Real-Time Visibility Behavior Analytics Continuous Risk Scoring Automation/Orchestration Compliance **Service Insights**





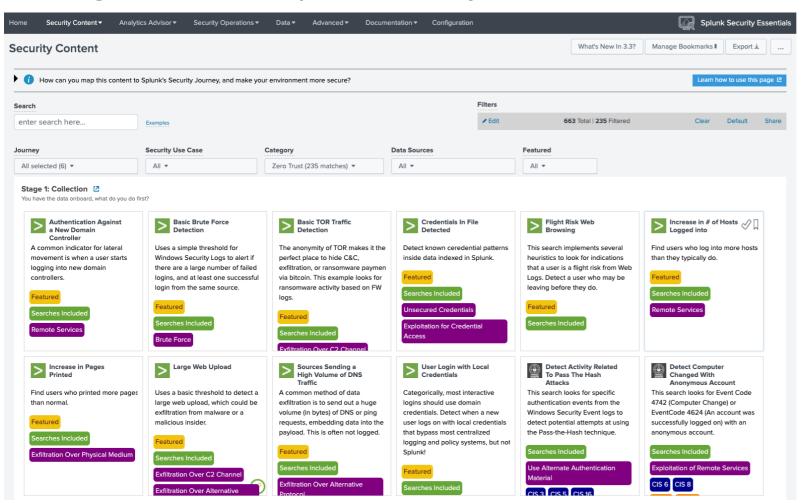
Getting Started

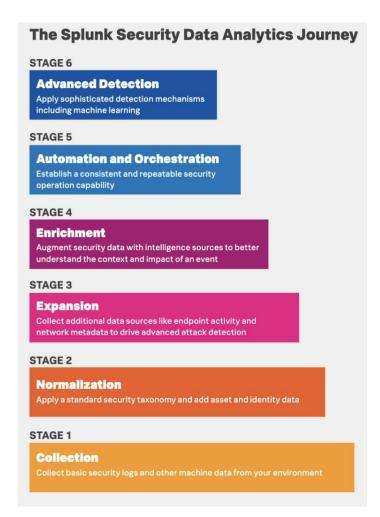
With Splunk & Zero Trust

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Splunk Zero Trust Use Cases

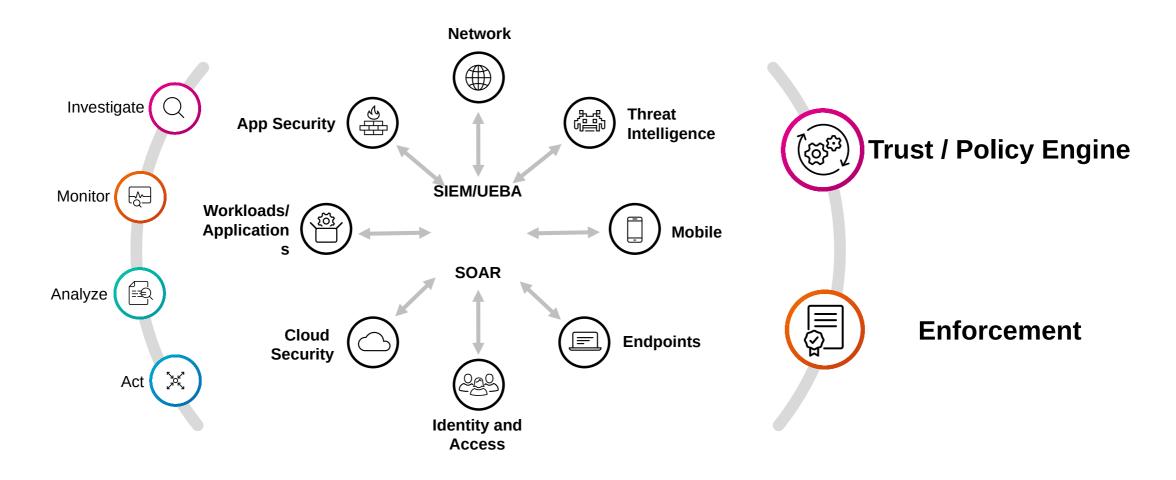
Getting Started with Splunk Security Essentials for Zero Trust







Zero Trust Decision Making with Splunk



Confidence and Trust in Decisions

Increases confidence and trust in access decisions to enterprise resources

Visibility



- Continuous monitoring
- Help validate user, asset and service for confidence in their trustworthiness

Analytics



- Rich, contextual details
- Correlation and analytics for fast insights and holistic decisions

Risk Scoring

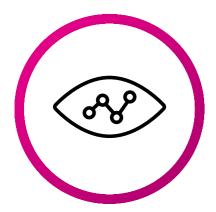


- Real-time risk scoring
- Automation, security & behavior analytics augmented by ML for a proactive defense

Optimize and Improve Effectiveness

Real-time policy adherence, performance and availability of components across the entire ecosystem

Full-Stack Visibility



- View the health and status of Services, infrastructure, and component relationships
- Predict issues before they happen with machine learning

Compliance



- Real-time granular visibility across the network, endpoints and application stack
- Orchestrate any remediations of configuration drifts

Policy Adherence



- Continuously monitor policy compliance – including the zero-trust infrastructure
- Conduct quick, yet detailed assessments and audits

Reduce Fatigue and Costs

Enforce Zero Trust policies by automating tasks and orchestrating workflows

Automation & Orchestration



- Automate repetitive tasks and orchestrate workflows to reduce manual efforts
- Free up resources

Nerve Center



- Connect disparate security systems to provide a single pane of glass
- Focus on what matters

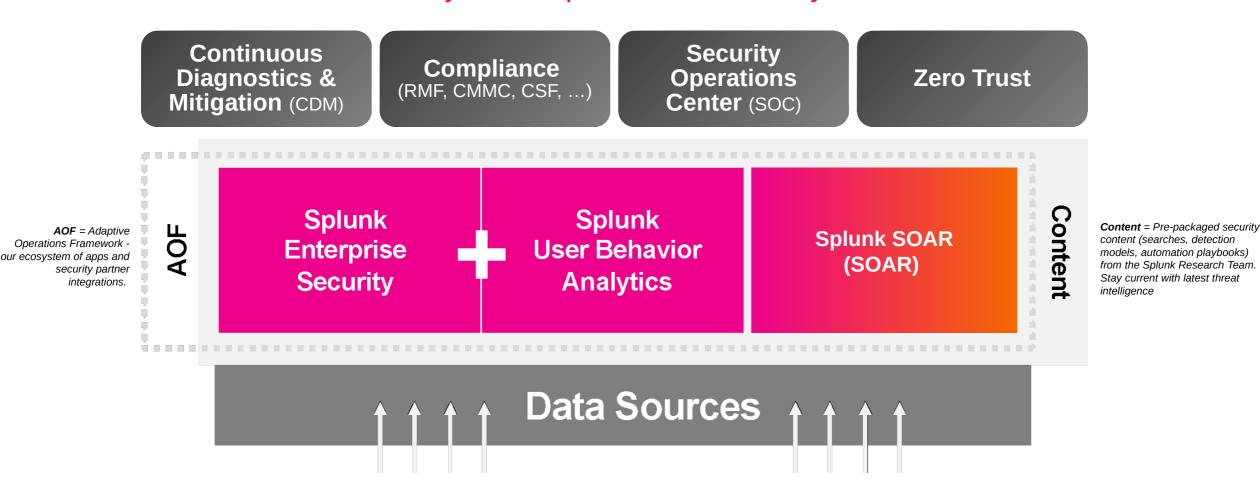
Playbooks



- Reusable template approach speeds action and improves consistency
- Guide fast remediation

Splunk Security Operations Suite

Data is the foundation for all your compliance and security initiatives



Any Format, Any Scale, Any Structure

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Analytics-Driven Security: Portfolio



















Search and Investigate

Dashboards and Reports Incident & Breach Response Monitoring & Alerting

Threat Detection

Security Operations **Automation &** Orchestration

Discover Anomalous **Behavior**

Detect Unknown Threats

3rd Party Apps & Add-ons (700+)



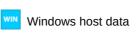


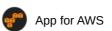
RDBMS (any) data

ES Content Update











(3)





Premium Solutions



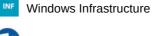




proofpoint



ML Toolkit





Microsoft Cloud

Google Cloud

Enterprise Security User Behavior Analytics

SOAR

Platform for Security – SOC Operations, Compliance & Zero Trust

Thank You

