

Business Resiliency Through Superior Threat Defense

Firepower 2100 Series/ Cisco Identity Services Engine

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Cisco Firepower NGFW



Fully Integrated

- FW / applications / IPS
- Cisco® AMP network / endpoint
- Analysis and remediation
- Cisco security solutions
- Application-aware DDoS



Threat Focused

- Networkwide visibility
- Industry-best threat protection
- Known and unknown threats
- Track / contain / recover



Unified Management

- Across attack continuum
- Manage, control, and investigate
- Automatically prioritize
- Automatically protect



Firepower 2100



High performance without sacrificing state of the art security



Business resiliency through superior threat defense – introducing the Firepower 2100 NGFW



Superior threat defense Industry best protection and rapid breach detection



Sustained performance
Threat inspection with
minimal throughput impact



Simpler management Easier management, lower operating costs

Choose from four powerful new appliances with industry-best price-performance



Models 2110 & 2120

Low-cost, high-performance 1 RU NGFW, Fixed 16-port 1GbE connectivity

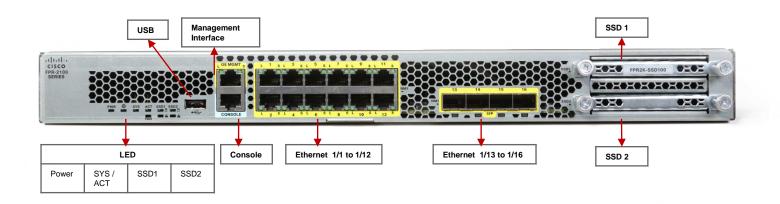


Models 2130 & 2140

High-performance 1 RU NGFW
Network modularity, up to 24-port 1GbE
and up to 12 10GbE connectivity

Up to 8.5 Gbps FW+AVC+IPS throughput

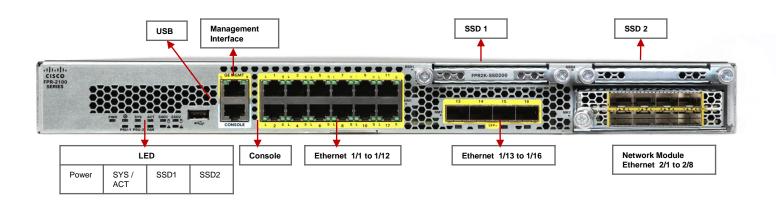
Firepower 2110/2120 Front and Rear View







Firepower 2130/2140 Front and Rear View













Get leading security effectiveness

Superior threat defense



Firepower 2100 series NGFWs deliver:



Advanced threat detection

Exclusive integration of Firepower NGIPS and AMP

Ranked #1 in breach detection by NSS Labs in 2016

Superior time to detection of advanced threats



Optimized architecture

Unique dual multi-core CPUs sustains threat inspection performance as services are added

Future-proofs your investment



Superior priceperformance

Less than 50% of the cost per-protected Mbps vs. competitors

200% greater throughput vs. competitors when IPS is enabled



Firepower 2100 Series Models

Description	FPR 2110	FPR 2120	FPR 2130	FPR 2140
Chassis & I/O	1RU 12 Fixed RJ-45 (1G) 4 x SFP (1G)	1RU 12 Fixed RJ-45 (1G) 4 x SFP (1G)	1RU 12 Fixed RJ-45 (1G) 4 x SFP+ (10G) 1 x NM Slot	1RU, 12 Fixed RJ-45 (1G) 4 x SFP+ (10G) 1 x NM Slot
CPU x86	4-Core	6-Core	8-Core	16-Core
CPU DDR4 DRAM	16GB	16GB	32GB	64GB
NPU Octeon	6-Core	8-Core	12-Core	16-Core
NPU DDR4 DRAM	8 GB	8 GB	16 GB	16 GB
SSD	1 x 100GB Default 2 nd Optional SSD for MSP 800GB		1 x 200GB Default 2 nd Optional SSD for MSP 800GB	
PSU – Default/Options	1x 250W Fixed AC PSU	1x 250W Fixed AC PSU	1x 400W AC default 2x AC, 1x or 2x DC options	2x 400W AC default 2x 350W DC options



Firepower 2100 Series Performance

	FPR 2110	FPR 2120	FPR 2130	FPR 2140
Throughput FW + AVC	1.9 Gbps	3 Gbps	4.75 Gbps	8.5 Gbps
Throughput FW + AVC + NGIPS	1.9 Gbps	3 Gbps	4.75 Gbps	8.5 Gbps
Maximum concurrent sessions, with AVC	1 M	1.2 M	2 M	3.5 M
Maximum new connections per second, with AVC	12000	16000	24000	40000



Firepower 2100, 4100, 9300 Snapshot

Features	FPR 2100	FPR 4100	FPR 9300
Throughput range Firewall + AVC	2 to 8 Gbps	12 to 30 Gbps	30 to 54 Gbps
Throughput range Firewall + AVC+IPS	2 to 8 Gbps	10 to 24 Gbps	24 to 53 Gbps
Interface Speed	1/10 Gbps	1/10/40 Gbps	1/10/ 40/100 Gbps
Rack Unit size	1 RU	1 RU	3 RU
Clustering	Roadmap	Yes (6.2)	Yes (6.2)
Other Apps	No	Yes (Radware DDoS)	Yes (Radware DDoS)
Chassis Manager	Unified With FMC / FDM	Yes	Yes









Enable threat defense without compromising throughput

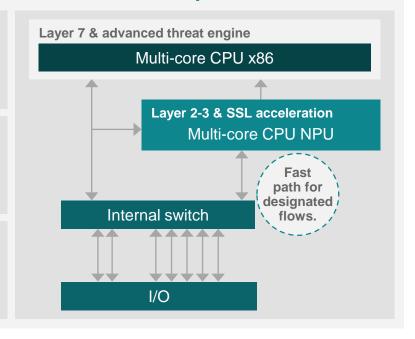
Dual Multi-Core CPU architecture enables:

Sustained throughput performance when threat functions are enabled vs. competing designs

Flexibility and future-proofing vs. ASIC-based designs that degrade as new defenses and functions are added

Prefix filtering with fast path verifies flows that do not require threat inspection, further enhancing performance

Sustained performance





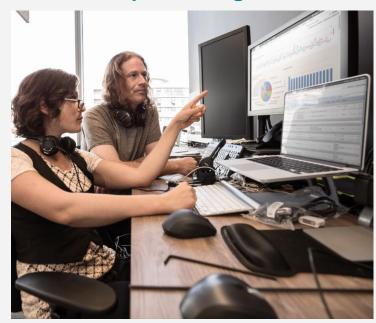






Improve IT efficiency with streamlined management

Simpler management



Firepower 2100 series NGFWs deliver:



Scalable design

50% increased management capacity (FMC)

Expanded file storage

Network modularity



Easy setup

Quick setup wizard (FDM)

Low-touch provisioning

Templates for multi-site provisioning



Faster time-to-value

Cloud-based policy delivery (CDO)

Automated executive summary

Demonstrate value more easily



Management Options



Cisco offers management designed for the user

On-box, web-based management







Enhanced control



Easy set-up

Centralized management for multiple devices

Firepower Management Center





Unified insight



Scalable management



Intelligent automation

Cloud-based policy orchestration for multiple sites







Simple interface



Efficient management



ent Streamlined ment user experience



Enable easy on-box management of common security and policy tasks







Centralize security administration and automation of multi-device deployments

Firepower Management Center

Same trusted functionality



Unified insight

Gain network to endpoint visibility, with deep insight into the network firewall, applications, and threats – all in one place



Scalable management

Utilize policy inheritance and centralized rolebased management to easily expand



Intelligent automation

Leverage intelligent rule recommendations, remediation APIs, and impact assessments to minimize management burden

New integration features







Threat Grid

ISE

AMP for Endpoints

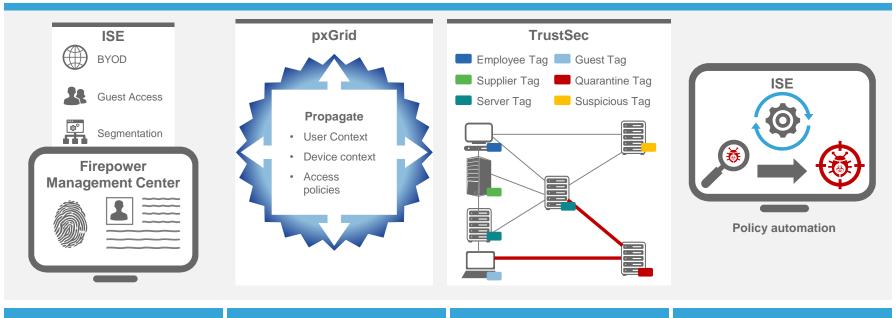


Integrations



Ensure compliance before granting access

Identity Services Engine (ISE)



Set access control policies

Propagate rules and context

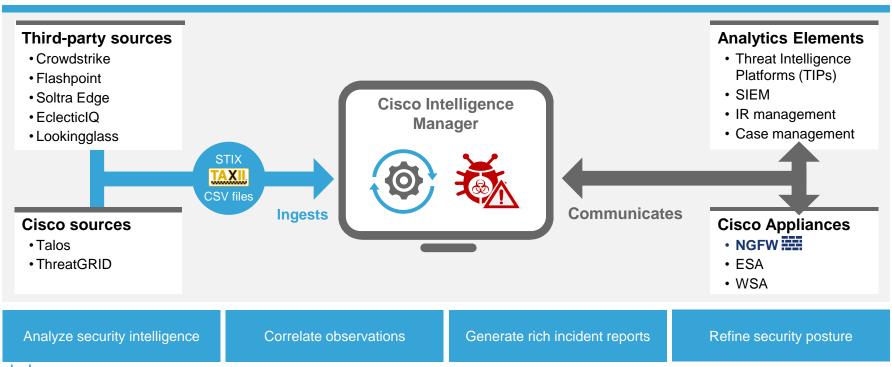
Establish a secure network

Remediate breaches automatically



Integrate third-party security intelligence

Cisco Intelligence Manager



Pricing



Pricing

	FPR 2110	FPR 2120	FPR 2130	FPR2140
HW List Price	\$10,995	\$19,995	\$29,995	\$64,995
TMC 3Y List Price	\$13,460	\$24,475	\$36,715	\$79,555
T/M/C 3Y List Price	\$5,280	\$9,600	\$14,400	\$31,200

^{*}Note that our 3Y pricing is approximately 2.4 times 1 year price.



Identity Services Engine 2.2

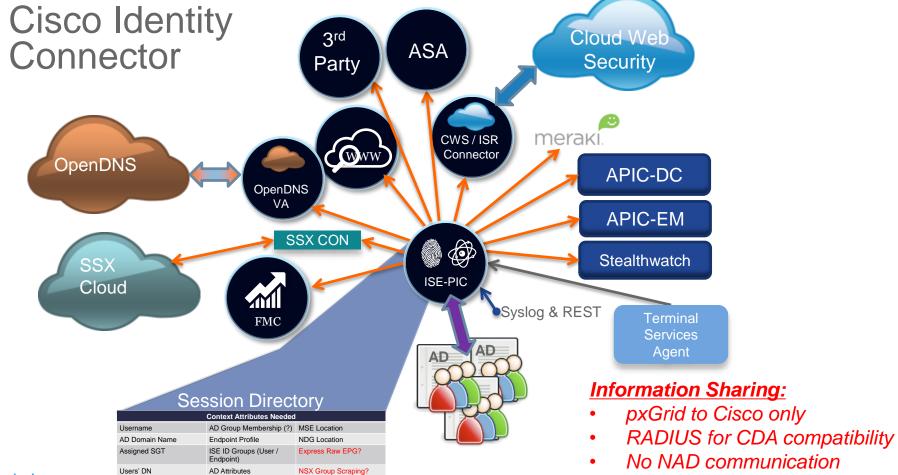


ISE 2.2 at a glance

- ISE Passive Identity Connector
- Next Generation Posture Phase 1
- Threat Centric NAC Phase 2
- ACS Migration Phase 3
- Enhanced Visibility

- Anomalous Behavior Detection
- Easy Wireless Setup (Project "Xenia")
- Guest Backwards Compatibility Features
- Multiple TrustSec Matrices
- TrustSec-ACI Integration Phase 2

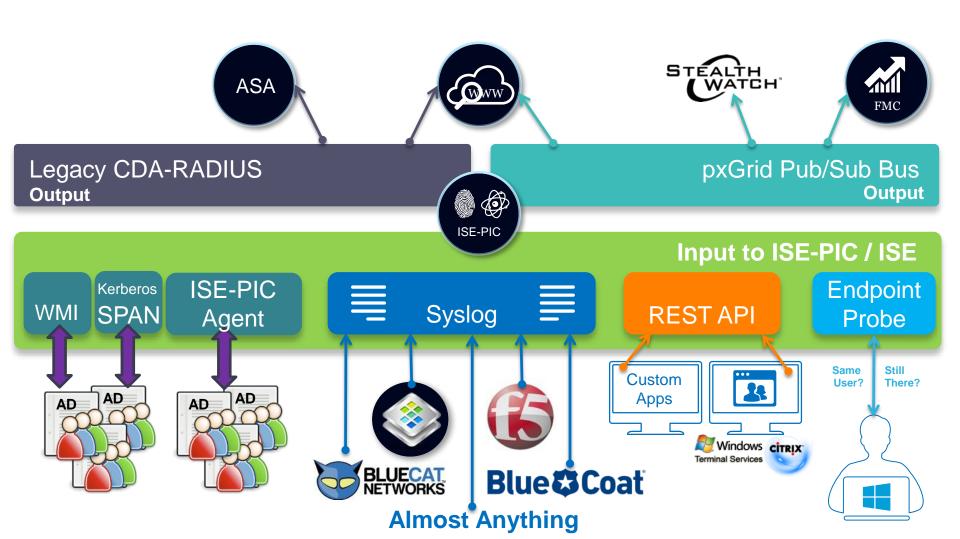




MDM Management Info (Which MDM & State)

Certificate Attribs &

Template ID (may have to allow



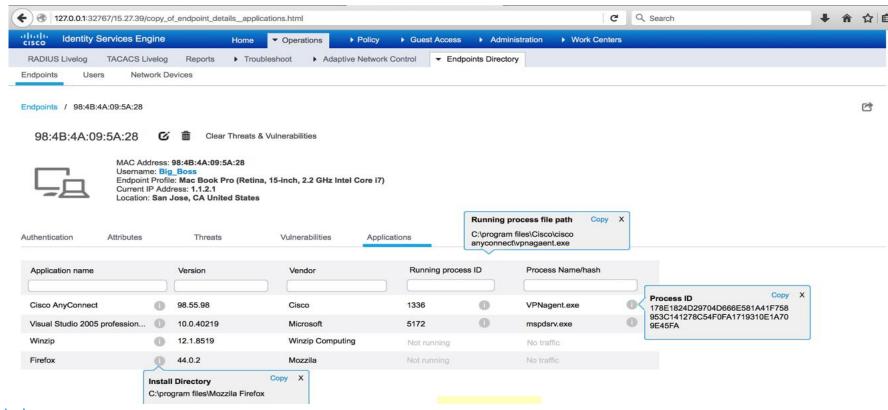
ISE PIC at a Glance

- Single ID Solution for ALL Cisco Security Portfolio
 - Best of All Existing Solutions
 - True Single Source of ID
 - No Longer Need Separate Connection to AD, LDAP, etc.
- Very Low Cost
- Passive Identity Only
 - No Authorization. No Policies.

- New Features & Sources
 - Agents, WMI, Syslog, REST
 - Remotely Check with Endpoints
 - Is Endpoint Still on Network?
 - Is User Still Logged In?
- Simple to Install and Use
- Scale to 100's of DC's



App Inventory





Application Enforcement

If an Admin can create a requirement that if a malicious app is installed/running, then uninstall/terminate all processes of application A

The enforcement is at

- Initial posture
- PRA time



Application (Visibility Only) Remediations > Application Visibility Condition Input fields marked with an asterisk (*) are required.

Name *	Firefox48WinK		
Description			
Operating System	Mac OSX ⊕		
Compliance module	4.x or later	•	
Remediation Type *	Automatic		+
Interval *	5		
Retry Count *	0		
Remediation Option	Uninstall Kill Process		
Category	₫		
	Unclassified Encryption Messenger Backup Virtual Machine Data Storage VPN Client Health Agent	Browser Anti-Malware Data Loss Prevention Antiphishing Public File Sharing Patch Management Firewall	

Threat Centric NAC

Cisco ISE protects your network from data breaches by segmenting compromised and vulnerable endpoints for remediation.



Compliments Posture

Vulnerability data tells endpoint's posture from the outside



Expanded control

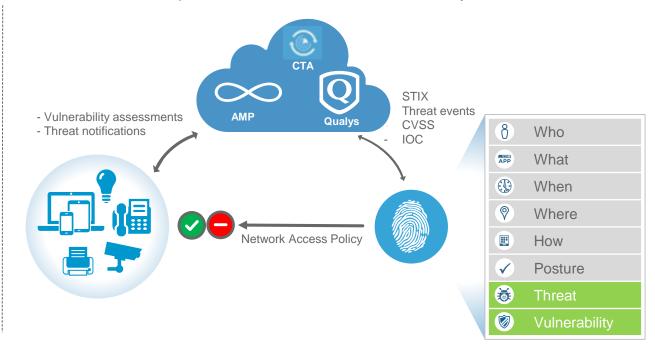
driven by threat intelligence and vulnerability assessment data



Faster response

with automated, real-time policy updates based on vulnerability data and threat metrics

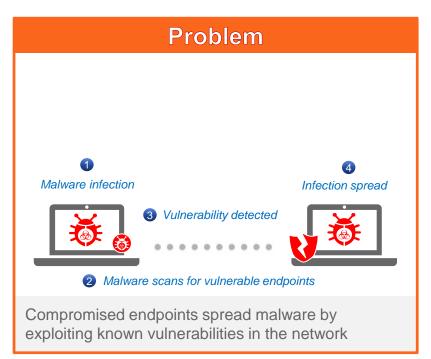
Create ISE authorization policies based on the threat and vulnerability attributes

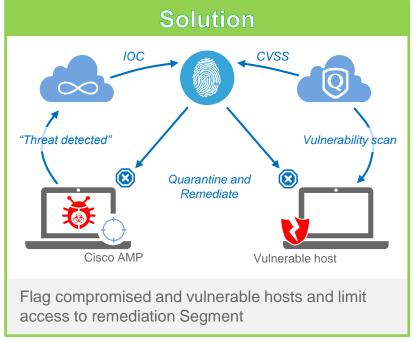




Threat Centric NAC explained

Reduce vulnerabilities, contain threats







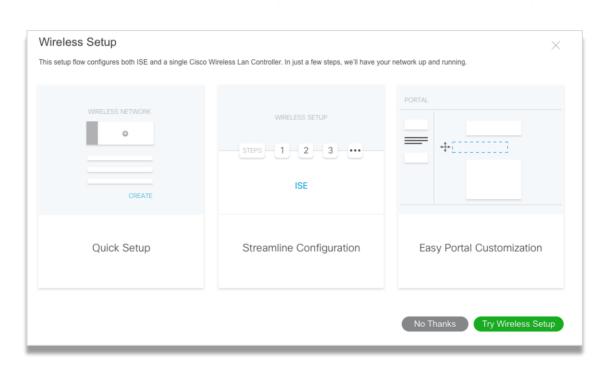
Easy Wireless Setup Flow Wizard



Simple unified management for wireless networks

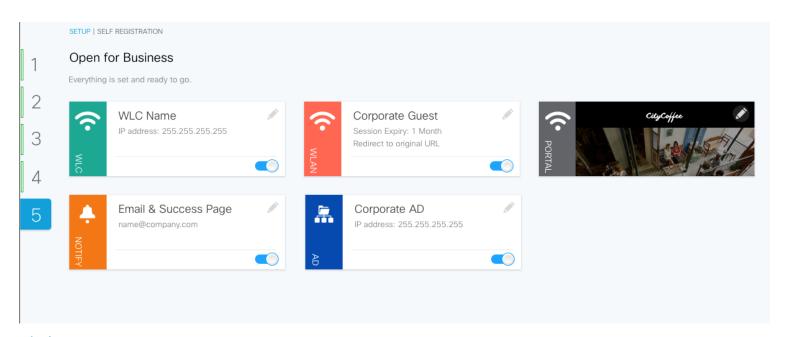
Enterprise (802.1X), Guest and BYOD Use cases

Easy portal creation and customization





Configure ISE & WLC in a Single Stroke





Summary



Firepower 2100





- 1RU Mid-Range Security Platform
 - High Performance
 - High Port Density
 - 10G Support
- Purpose-Built Hardware for Cisco NGFW
- Versatile Deployment
- Management options
 - On-box
 - Off-Box
 - Cloud

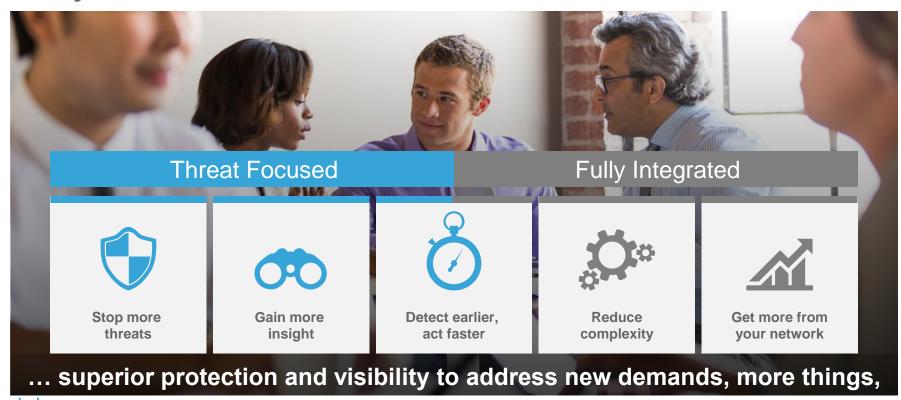


ISE 2.2

- ISE Passive Identity Connector
 - Single source for Identity
- New and enhanced Posture features
 - Application visibility and enforcement
- Threat Centric NAC
- Easy Wireless Setup
- Enhanced Visibility



Only Cisco delivers...





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