nextacademy
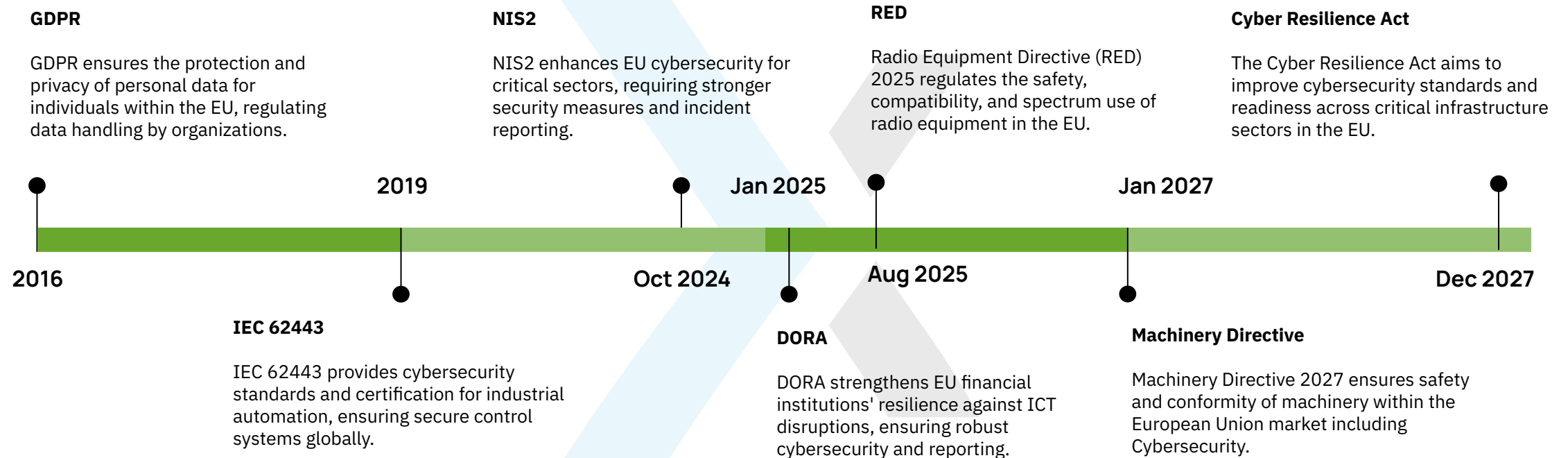**webinar, corsi, alta formazione**

Endian Secure Digital Platform

Webinar for Endian Sales Channel

Giada Francavilla - Channel & Inside Sales Manager
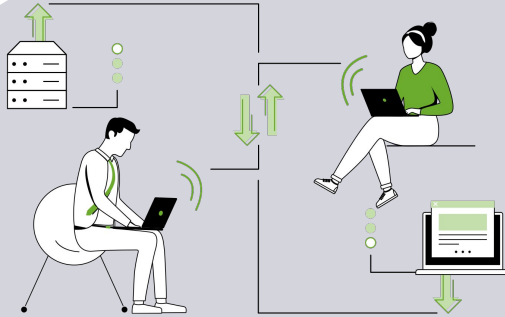Filippo Collini - Sales Engineer & Key Account Manager

Endian - The Company

- **Cybersecurity Vendor** from South Tyrol, Italy, with a Strong Presence in the German Market

- Over Two Decades of **Cybersecurity Expertise** in **IT & OT** security

- **Open Source** Culture and DNA

- **Focus on Industrial IT & OT Needs**

- **Accessible, User-Friendly Cybersecurity**

Cybersecurity Regulation and Compliance

GDPR

GDPR ensures the protection and privacy of personal data for individuals within the EU, regulating data handling by organizations.

NIS2

NIS2 enhances EU cybersecurity for critical sectors, requiring stronger security measures and incident reporting.

RED

Radio Equipment Directive (RED) 2025 regulates the safety, compatibility, and spectrum use of radio equipment in the EU.

Cyber Resilience Act

The Cyber Resilience Act aims to improve cybersecurity standards and readiness across critical infrastructure sectors in the EU.

2019

Jan 2025

Jan 2027

2016

Oct 2024

Aug 2025

Dec 2027

IEC 62443

IEC 62443 provides cybersecurity standards and certification for industrial automation, ensuring secure control systems globally.

DORA

DORA strengthens EU financial institutions' resilience against ICT disruptions, ensuring robust cybersecurity and reporting.

Machinery Directive

Machinery Directive 2027 ensures safety and conformity of machinery within the European Union market including Cybersecurity.
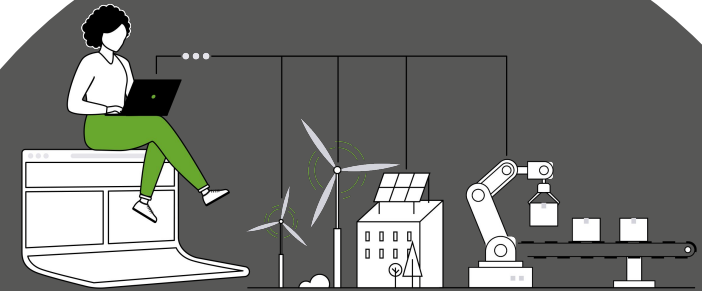
Digital transformation challenges for IT & OT

- Keep Servers & Applications running
- Short Product Life-cycle (< 3-5Y)
- Difficult to find skilled People
- Critical for Business Continuity
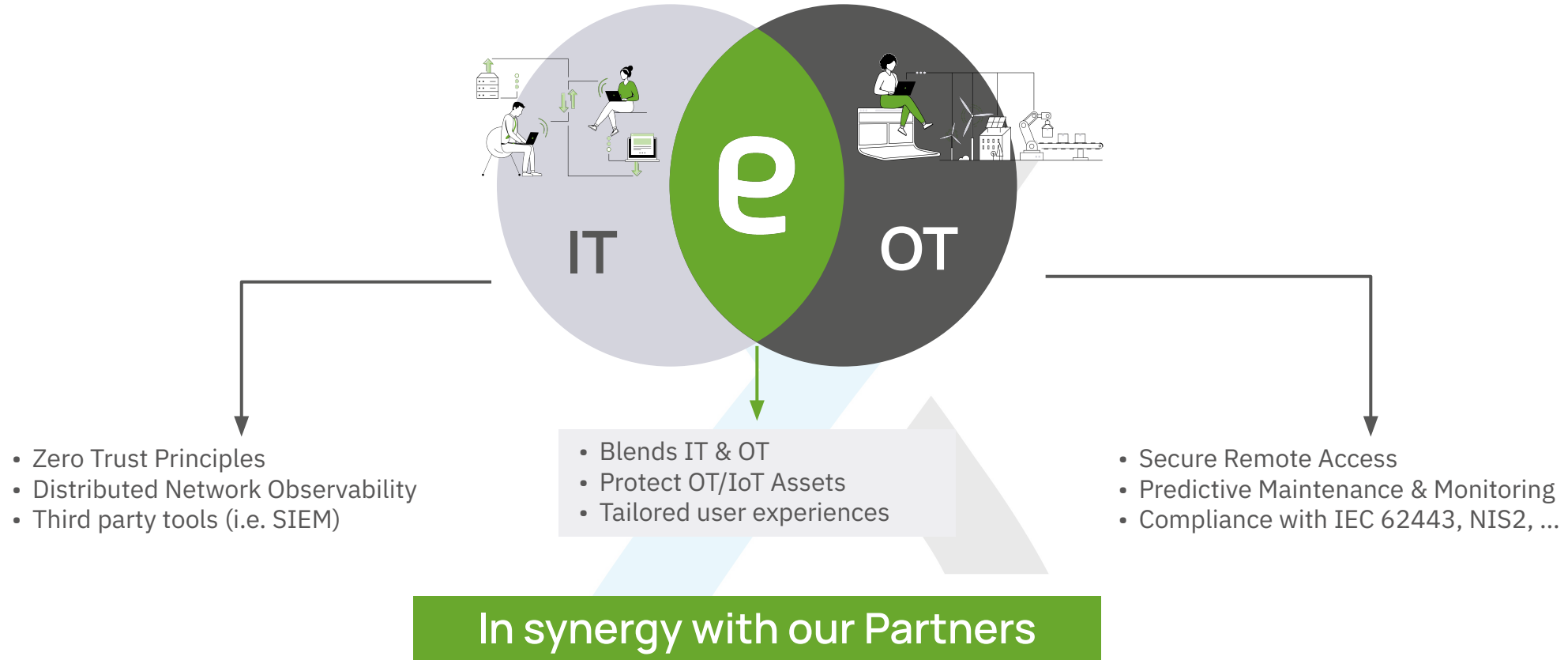- Established Cybersecurity

IT

- Keep Machines & Production running
- Long Product Life-cycle (> 5-10Y)
- Difficult to find skilled People
- Critical for Business Continuity
- Lack of Cybersecurity

OT

Unified Cybersecurity Platform for IT & OT

IT

e

OT

- Zero Trust Principles
- Distributed Network Observability
- Third party tools (i.e. SIEM)

- Blends IT & OT
- Protect OT/IoT Assets
- Tailored user experiences

- Secure Remote Access
- Predictive Maintenance & Monitoring
- Compliance with IEC 62443, NIS2, …

In synergy with our Partners

EndianOS UTM & 4i- Features list

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Firewall	Network Objects Timing for rules Application Control Filtro Geo-IP	IDS & IPS Antiphishing Web & Mail Security (motore Bitdefender*)
VPN	OpenVPN IPSec	SSL Two factor Authentication
Hotspot*	Captive Portal (customizable) Smart Login	Social Login
High Availability	Master / Slave Up to three Slave devices	
Edge Computing**	Docker	
Logging and Reporting	Real-time activity reports and charts Real-time and historical traffic monitoring system	Web reporting (daily, weekly, monthly) Remote logging (SNMP,syslog)
Quality of Service	Utilize TOS/DSCP tagging for upstream quality of service	(e.g. satellite connections)
Backup and Restore	Easily configure immediate or scheduled backups of the device	and save them externally to USB flash or even have them emailed

Focus on 6.8 release

- **New application control engine (nDPI)**
- **New authentication menu**
- **New users and group management**
- **New certificate management**
- **Improved Login Security (2FA)**
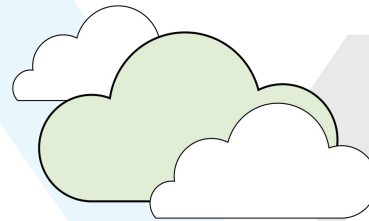
*non disponibili per 4i
** non disponibile su modello 4i Edge V
Reference: Per maggiori dettagli fare riferimento alla release note al seguente link

Environments Supported
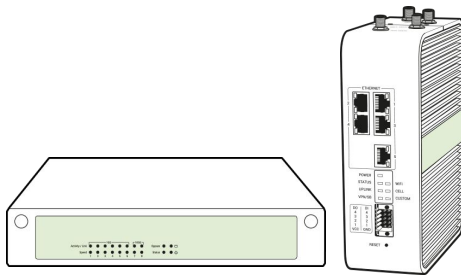
Hardware

- **For IT**: Rack Mountable (for 10-1000 Devices)
- **For OT**: DIN Rail (for 10-200 Devices)

Virtual

- VMware
- Hyper-V
- KVM
- XEN
- VirtualBox

Software

- Your own server or pc

Hardware models for IT & OT

For IT: Rack Mountable
(for 10-1000 Protected Devices)

For OT: DIN Rail
(for 10-50 Protected Devices)

What is a "Protected Device"?

What is counted?

- Devices in the protected Zone/Network
- Unique MAC Addresses
- Sent/received IP Traffic within 5 min

What is excluded?

- MAC Addresses/IPs of Gateway itself
- MAC/ARP Traffic of Devices
- Devices on the WAN/Internet side

How do we count the Metrics?

- Measured every 5 minutes with Hourly values for 24h
- Online: Min/Avg/Max/95th Percentile
- Seen: Number of devices have been seen in 1 month
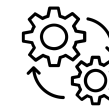
Focus su EndianOS 6.8

EndianOS 6.8 highlights

	Endian UTM	Endian 4i	Endian Switchboard
NEW **OAuth 2.0 integration**			✓
NEW **Application control engine (nDPI)**	✓	✓	✓
NEW **2FA for web management login**	✓	✓	✓
NEW **Authentication menu**	✓	✓	✓
User and group management	✓	✓	✓
Certificate management	✓	✓	✓

NEW New feature   📈 Improved feature

OAuth 2.0 introduction

2-step process

1. Setup the provider and link it to the Switchboard
2. Create the onboarding rules to map provider roles to Switchboard roles and permissions

Identity providers

Support for the following identity providers:

Microsoft Entra ID   auth0 by Okta

Google

Availability

Available only on the Switchboard (for SB users)

New Application Control Engine (nDPI)

Coming soon

- Risk and category **anomaly detection**
- Enhancing **Network Awareness** on gateways
- Creating **Network Insight** on Switchboard for central aggregation
- Deeper **integration** with EndianOS features (Firewall, QoS, etc)

Feature Improvements

- **Doubles** the number of applications we can detect and control (220 –> 430)
- Extremely **lightweight** and **performant**

Availability

Available on **all Endian models** compatible with EndianOS 6.8

2FA Support for Web Login

What's new

Improved Login Security (2FA)

Availability

Login to the **web management** interface of the Endian appliance using two-factor authentication with the support of a one-time password (**OTP**). This improves overall platform security and helps to prevent unauthorized or brute-force login attempts.

- **Doubles** the number of applications we can detect and control (220 –> 430)
- Extremely **lightweight** and **performant**

Available on **all Endian models** compatible with EndianOS 6.8

New Authentication Menu

Sneak Peak

Authentication is a new top-level menu item

Availability

All **subsections** of the menu have been overhauled to improve **simplicity** and **usability**

Available on **all Endian models** compatible with EndianOS 6.8

VPN

Authentication

Users

Groups

Lockout

Providers

Services

Switchboard
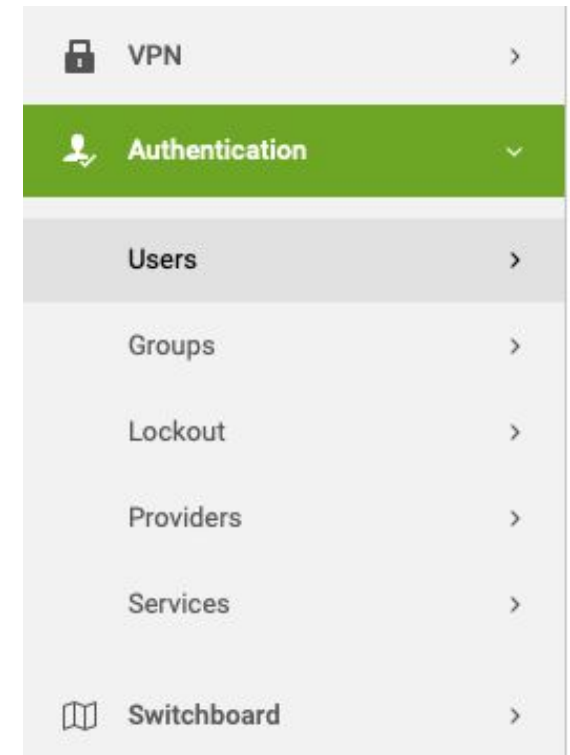
Improved User & Group Management

Availability

Available on **all Endian models** compatible with EndianOS 6.8

Completely new backend

- From **yaml** to **sqlite** language
- **Faster** performance
- Improved **scalability** for large user/group sizes

Completely new frontend

- New **User Interface** with focus on **simplicity** and usability
- **Multi-select** editing capability
- Pagination for **large installations**
- Search to **easily find** what you're looking for

Improved Certificate Management

Completely new frontend

Completely rewritten certificate mgmt engine

Availability

Available on **all Endian models** compatible with EndianOS 6.8

- Support for Let's Encrypt and ZeroSSL external provider (more to come)
- Much better performance (faster with new dbus support)
- Much improved scalability for future features
  - Multiple CA certificates support
  - Wildcard certificate support

- New modern UI with focus on simplicity and usability
- Enhanced certificate creation, import and export user experience
- Preserved all original functionality

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Dive into the Endian Secure Digital Platform

The Secure Digital Platform - Overview

Definition

The Endian Secure Digital Platform is a **next-generation security and connectivity solution**, offering advanced protection, simplified management, and real-time analytics for corporate and industrial networks. It **reduces** cyber risks, **simplifies** network management, and **boosts** productivity.
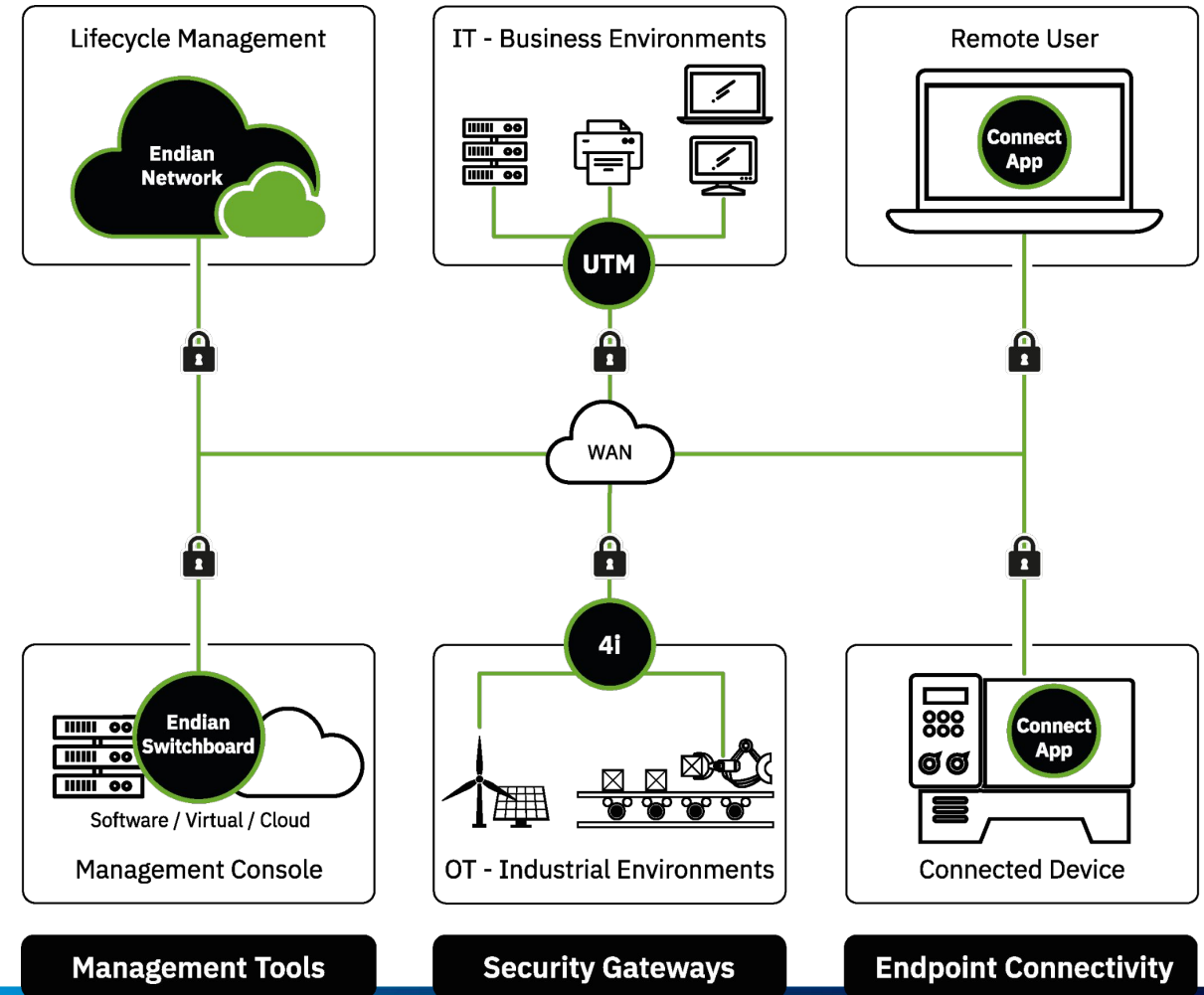
The Secure Digital Platform

Components

1 - Management Tools

- Administer the whole solution lifecycle
- Manage the components of the Secure Digital Platform

2 - Security Gateways

- Connect and protect the infrastructure
- Enforced security with EndianOS

3 - Endpoint Connectivity

- Access remote endpoints in a secure way
- Provide secure capabilities

Management Tools

Endian Network
- Organization & Subscription Management
- Product Lifecycle Management
- Metrics & Business Intelligence

Endian Switchboard
- Centralized Management of Gateways and Devices
- Manage Authorization and Infrastructure
- Monitor Distributed Networks
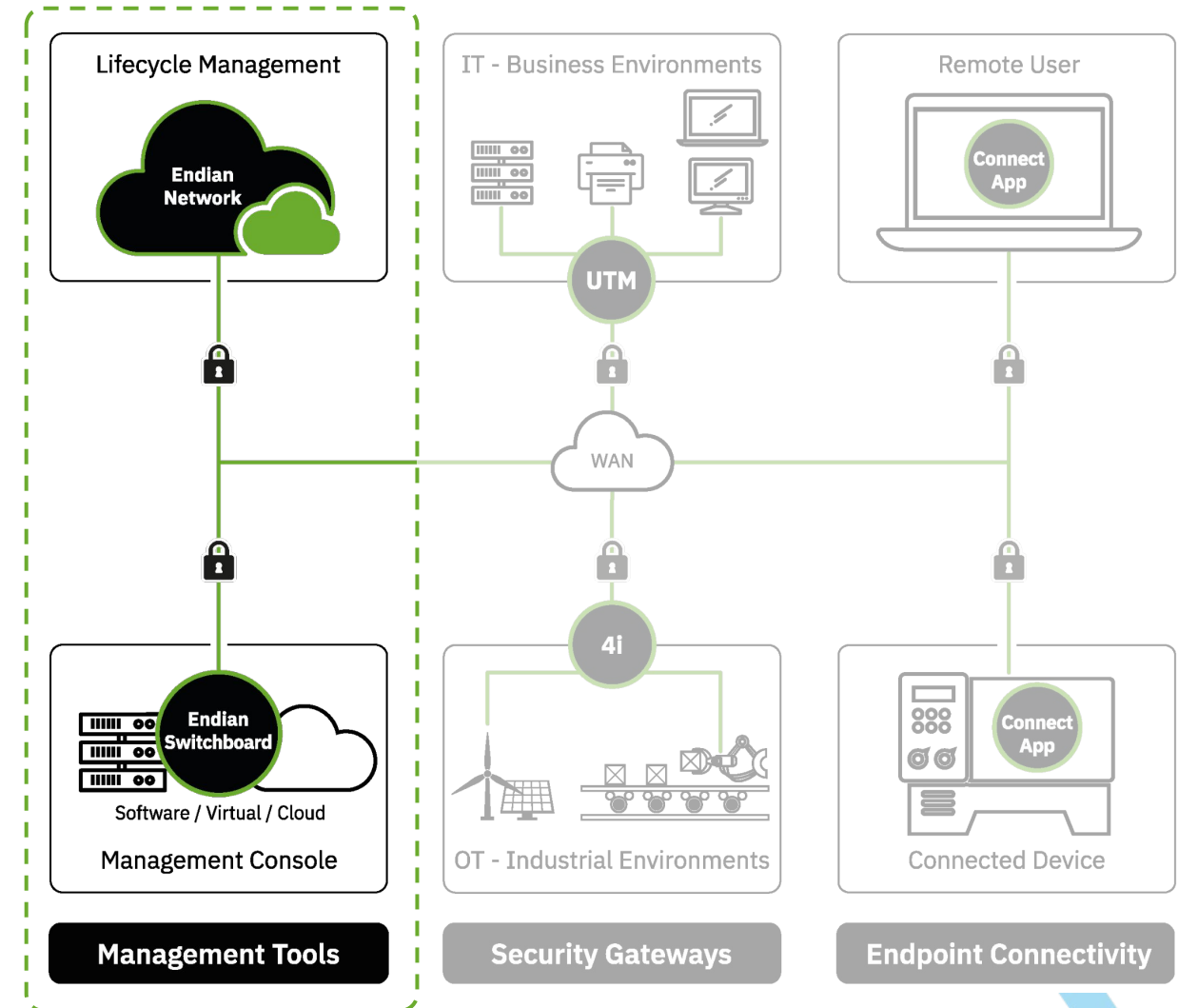
Security Gateways

Endian UTM for IT

- Enforce network security policies with EndianOS
- Optimize network connectivity and performance
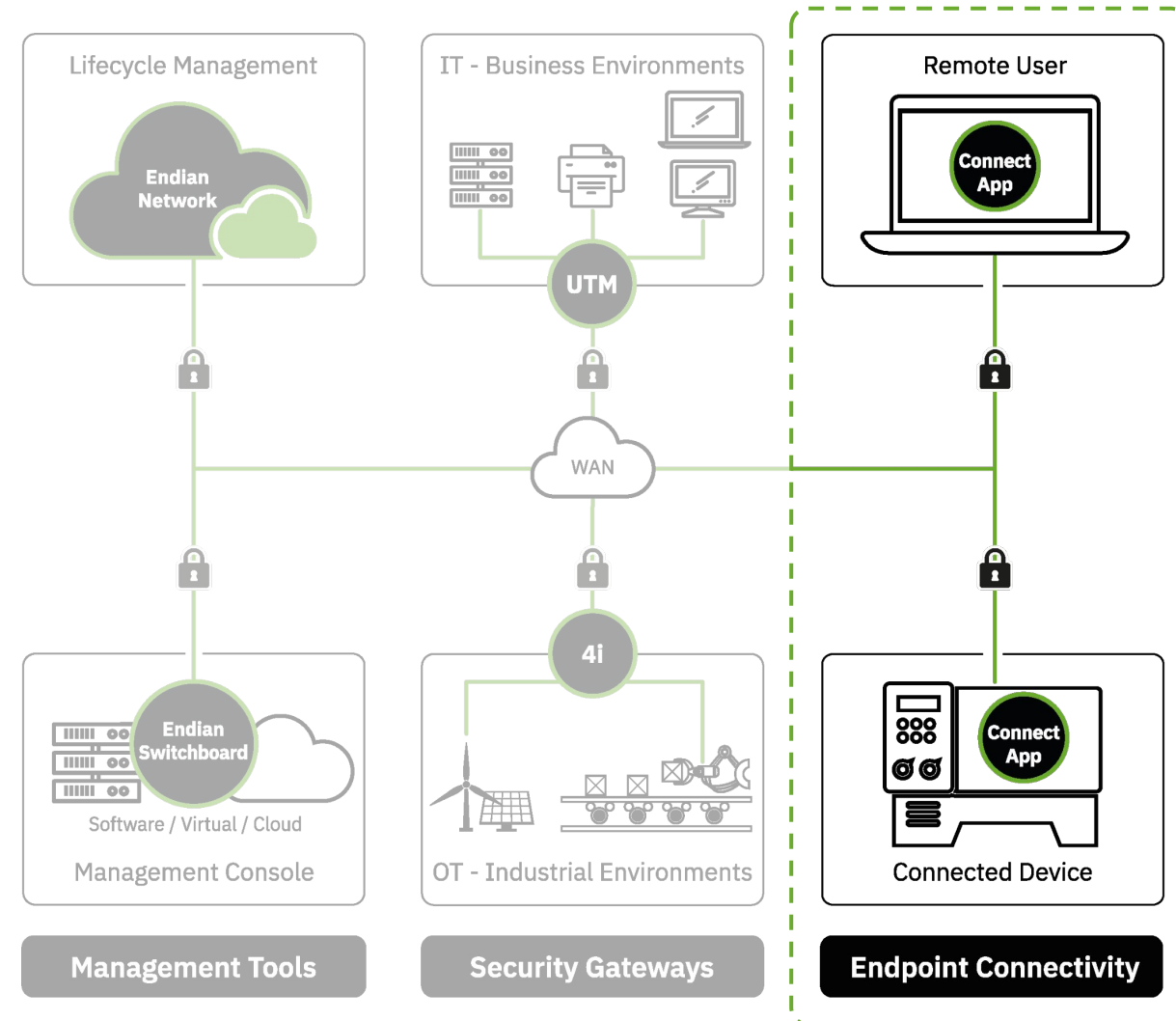- Detects and filter advanced threats

Endian 4i for OT

- Protect and monitor OT networks with EndianOS
- IoT/OT protocol connectivity and support
- Reliable connectivity in industrial environments
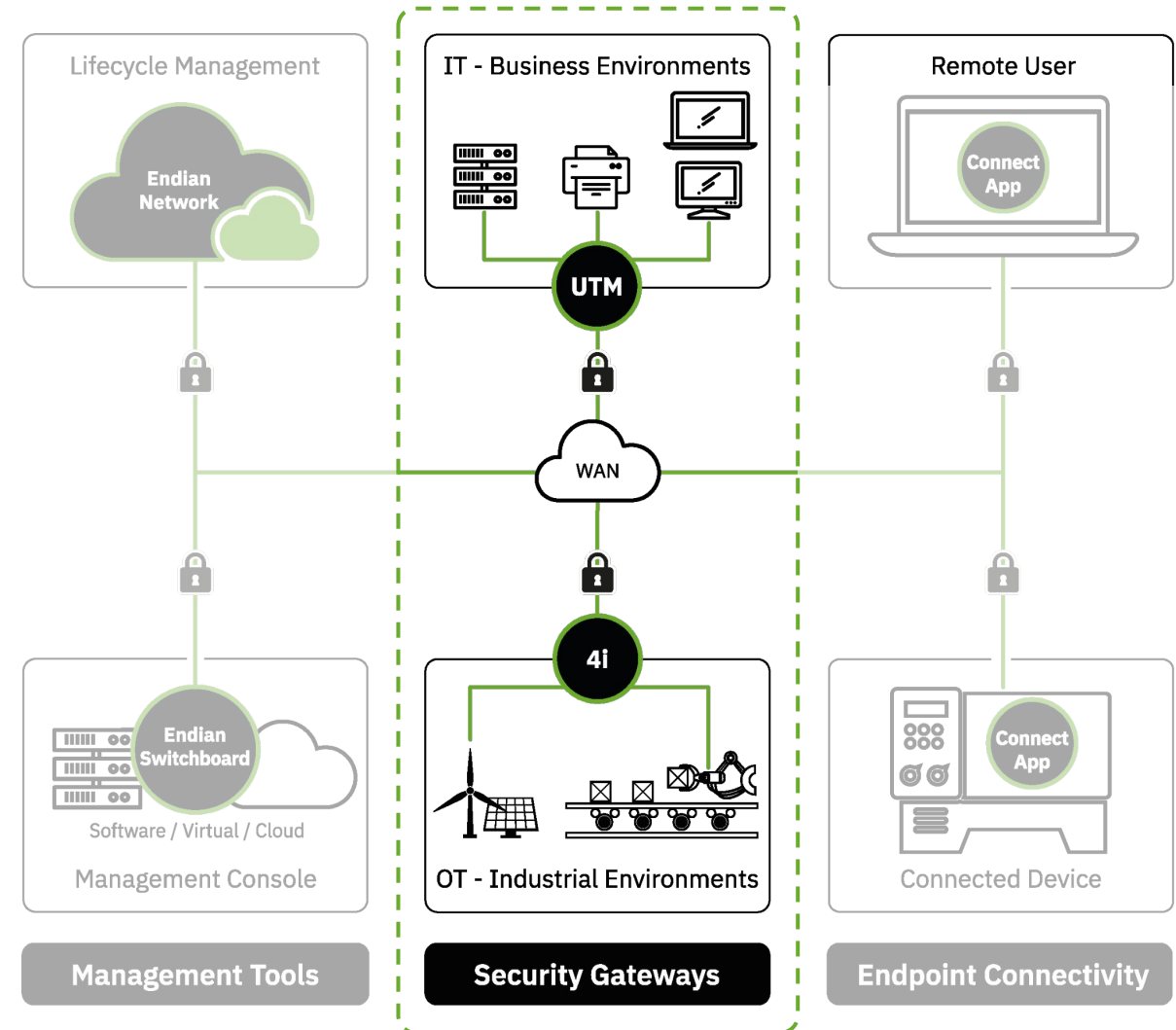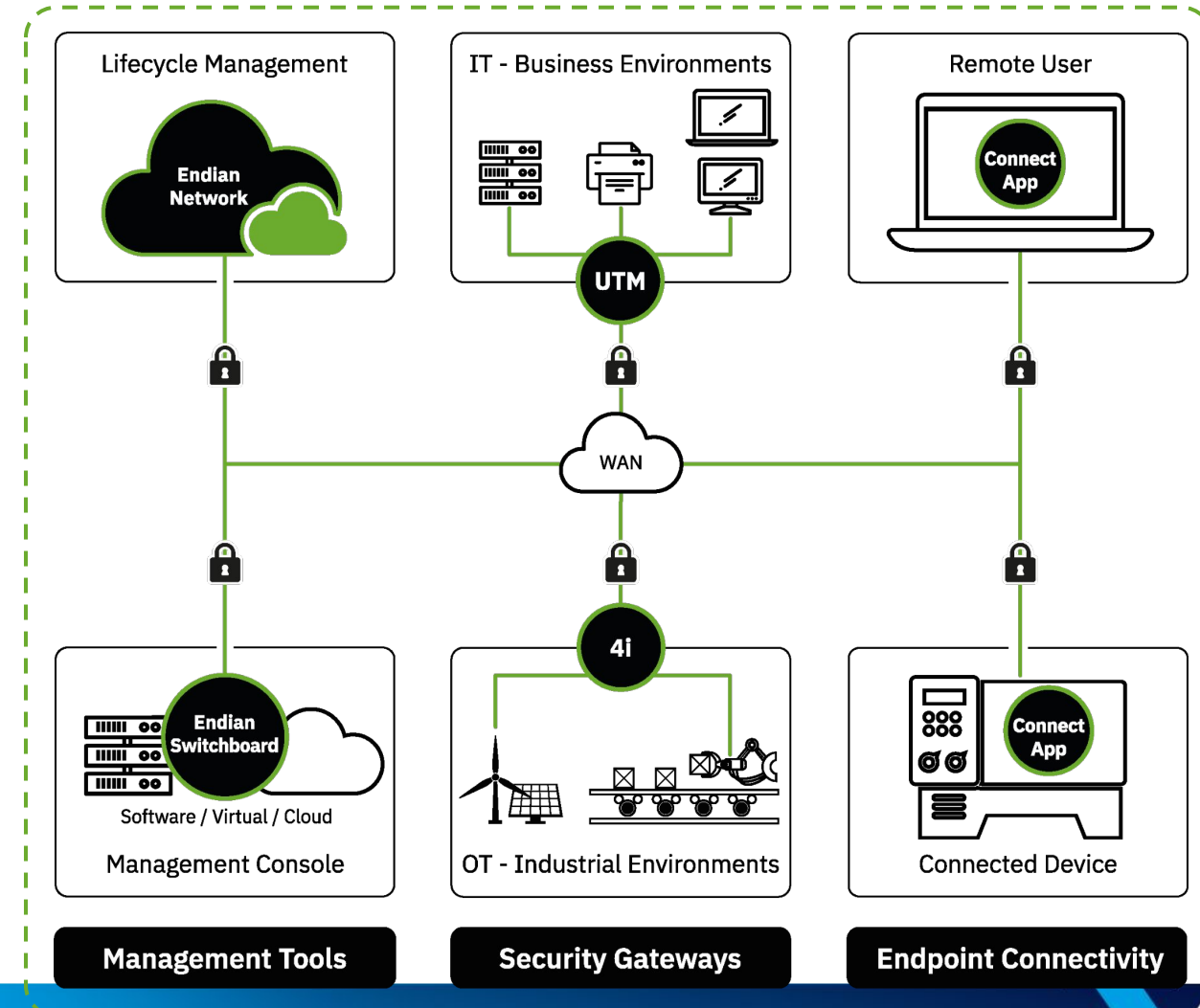
Endpoint Connectivity

Endian Connect App

- Easy to use client for the Switchboard
- Make Endpoints remotely accessible
- Provide secure capabilities of a VPN client

Third Party Solutions

+ **Third party solutions**
- Integrate any application via OpenAPIs
- Edge computing powered by Docker
- Integration with external identity providers (e.g., EntraID)

Business needs

Endian empowers businesses to enhance security, streamline operations, and protect critical assets. Our solutions enable Zero Trust, secure remote access, threat prevention, and efficient device management—all in a unified platform.

Implement Zero Trust

- Microsegmentation
- IAM & MFA
- Manage CA & Certificates

Secure Remote Access

- Simplify Access to Assets
- Session Approval & Recording
- Least-Privilege Concept

Monitor Networks & Risks

- Distributed Asset Discovery
- Risk Assessment
- Anomaly Detection

Prevent Attacks

- Firewall with DPI & Routing
- Intrusion Detection/Prevention
- Log/SIEM Integration

Run Edge Applications

- Enable 3rd party Applications
- Easily manage Edge Computing
- Docker running on EndianOS

Manage Devices & Automate

- Automate Lifecycle Management
- Centralize Updates
- Provision Configuration & Certificates

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Live DEMO

Strumenti e link utili

FREE Documentazione e manuali: [DOCS.ENDIAN.COM](http://docs.endian.com)

FREE Knowledge base e tutorials [HELP.ENDIAN.COM](http://help.endian.com)

FREE Formazione: [TRAINING.ENDIAN.COM](http://training.endian.com)

👉 Partner Area: [NETWORK.ENDIAN.COM/PARTNERAREA](http://network.endian.com/partnerarea)

👉 Online Demo: [DEMO.ENDIAN.COM](http://demo.endian.com)

FREE Accesso Libero

👉 Incluso nella tua
Subscription Endian

Endian Secure Digital Platform NFR Kit for Partners

Kit NFR completo per i Partner al prezzo di 995,00€ che include:

- **Licenza Endian Switchboard Virtual** 1 anno per la gestione di 10 gateways (prezzo di listino 7.615,00€)
- 2 Licenze Software/Virtual della validità di 1 anno (1x UTM e 1x 4i Edge)
- **Formazione remota di 4 ore che include il setup e l'installazione in ambiente virtuale (**dopo aver conseguito il corso e la certificazione **ESAT) su:**
  - Proxmox or VMWare
  - disponibilità per AWS e Azure
- **Accesso alle Demo di tutti i prodotti Software e Virtual Endian per progetti**
  - UTM
  - 4i edge
  - Switchboard
- **Accesso a condizioni dedicate NFR per prodotti Hardware**
- Accesso in anteprima delle nuove funzionalità
- **Condizioni di rinnovo NFR —> con la partecipazione attiva ai training si manterrà lo status di Partnership per rinnovi gratuiti**

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grazie per l'attenzione

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sapere cosa pensi di noi sarà d'ispirazione
e ci aiuterà a farci conoscere