

# The rise of NAICE

a hands-on demo of our  
new powerful NAC system

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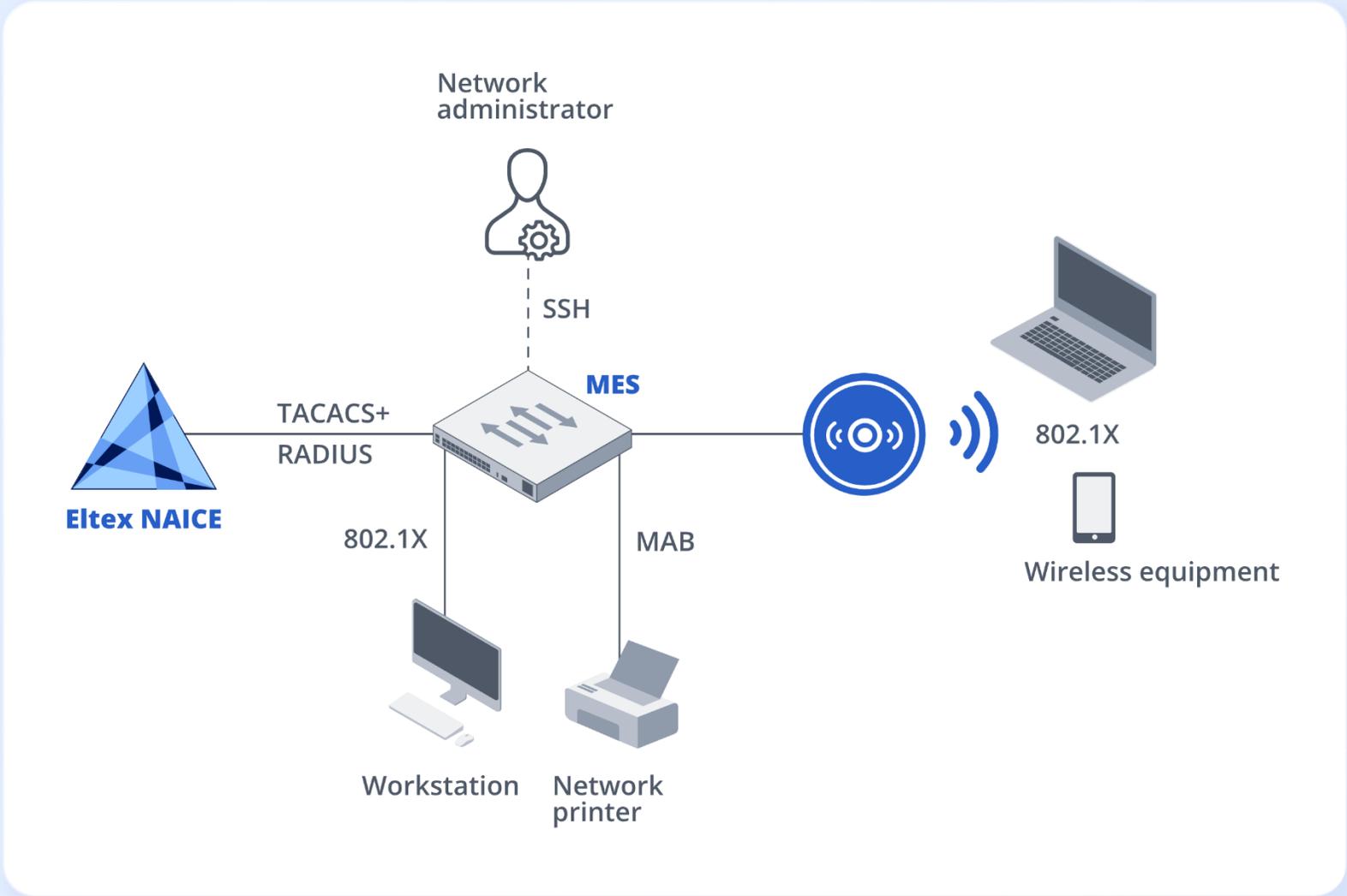
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# Network Access Control system



What NAC is used for



# Why do we need NAC?



**Enhanced security** to prevent compromised devices, rogue endpoints, and unauthorized users from entering the network



**Role-Based Access Management**  
to segment users into groups



**Control** allows administrators to enforce granular access policies



**Visibility** into every user and device (including IoT) connected to the network in real time

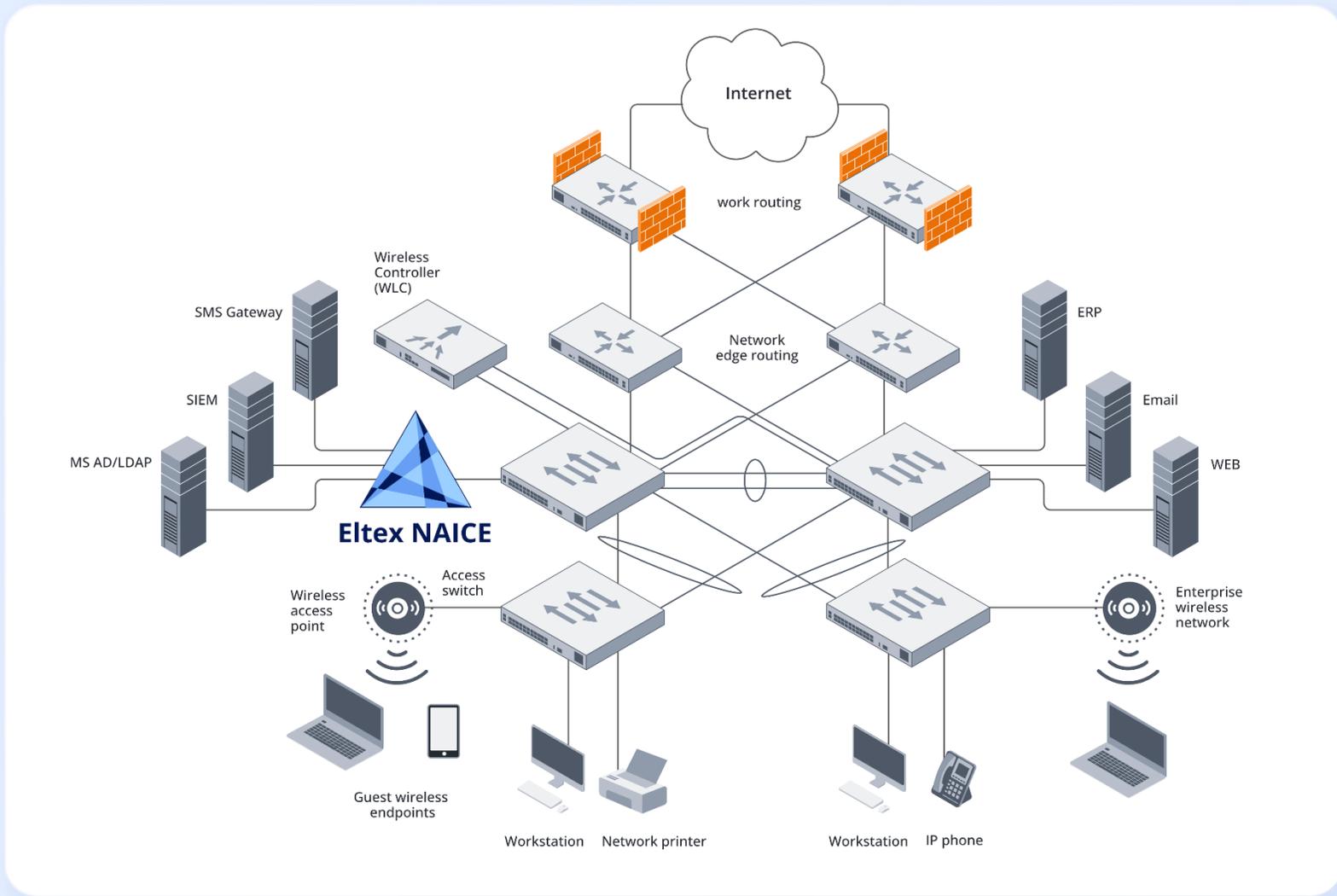


**Regulatory compliance** by helping organizations comply with data protection regulations

# Main features



## Single point of Network Access Control



# Main features



Policy-based security and centralized management of access policies

The screenshot displays a web interface for managing RADIUS policies. The breadcrumb navigation shows 'Network access > RADIUS policies'. The main heading is 'RADIUS policies'. There is a 'Reset' button and a search bar. A table lists the policies with columns for Status, Name, Description, Conditions, Allowed protocols, and Hits count. The table contains five rows: 'Wired network', 'Wireless network', 'Wired network (MAB)', 'Captive Portal', and 'Default policy set'. Each policy row includes a status indicator (green 'Enabled' or blue 'Default'), a name, a description field, a conditions field with associated icons, an 'Allowed protocols' dropdown menu, and a 'Hits count' column with a vertical ellipsis and a right-pointing arrow.

	Status	Name*	Description	Conditions*	Allowed protocols*	Hits count
	Enabled	Wired network	EAP-PEAP, EAP-TLS 17 / 1000	Wired_802.1X	Default protocols	0
	Enabled	Wireless network	EAP-PEAP, EAP-TLS 17 / 1000	Wireless_802.1X	Default protocols	0
	Enabled	Wired network (MAB)	MAC Auth Bypass 15 / 1000	Wired_MAB	MAB	0
	Enabled	Captive Portal	WiFi 4 / 1000	AND Wired_MAB Normalised Radius-SSID Equals NAICE-Portal	MAB	0
	Default		Default policy set		Default protocols	

# Main features



Flexible integration with existing infrastructure

The screenshot shows a web interface for managing external identity sources. The breadcrumb navigation is 'Users and devices > Identity management > External identity sources'. The main heading is 'Identity management'. Below it are tabs for 'Network access users', 'Network user groups', 'Endpoints', 'Endpoints groups', 'External identity sources' (which is selected), and 'Identity sequences'. There are three action buttons: '+', a trash icon, and a refresh icon. A table lists the current identity sources:

<input type="checkbox"/>	Name ↑	Type	Description
<input type="checkbox"/>	LDAP	LDAP	OpenLDAP
<input type="checkbox"/>	MS AD	LDAP	MS Active Directory

At the bottom left, there is a status indicator 'AD' and the text 'Total elements: 2'.

# Main features



## Captive portal authorization

### Authorization via credentials

test portal

#### Login with login and password

Please sign in to get guest access

Login

Ivan.Ivanov

Password

.....

I agree with the End-user license agreement

Login

Русский English

Portal support service:  
help@naice.ru

### Authorization via SMS

test portal

#### Login by SMS

An SMS with a code will be sent to the number

I have a code

Phone number

+7 (913) 245-67-89

9248BZ Refresh image

Enter text from the image

9248 bz

I agree with the End-user license agreement

Send code

Русский English

Portal support service:  
help@naice.ru



test portal

#### Enter the code

Code from SMS

0678

By starting to work with the portal, you agree to the End-user license agreement

Login

Request code again 00:47

Русский English

Portal support service:  
help@naice.ru



test portal

#### Done!



You now have access to the Internet through this network.

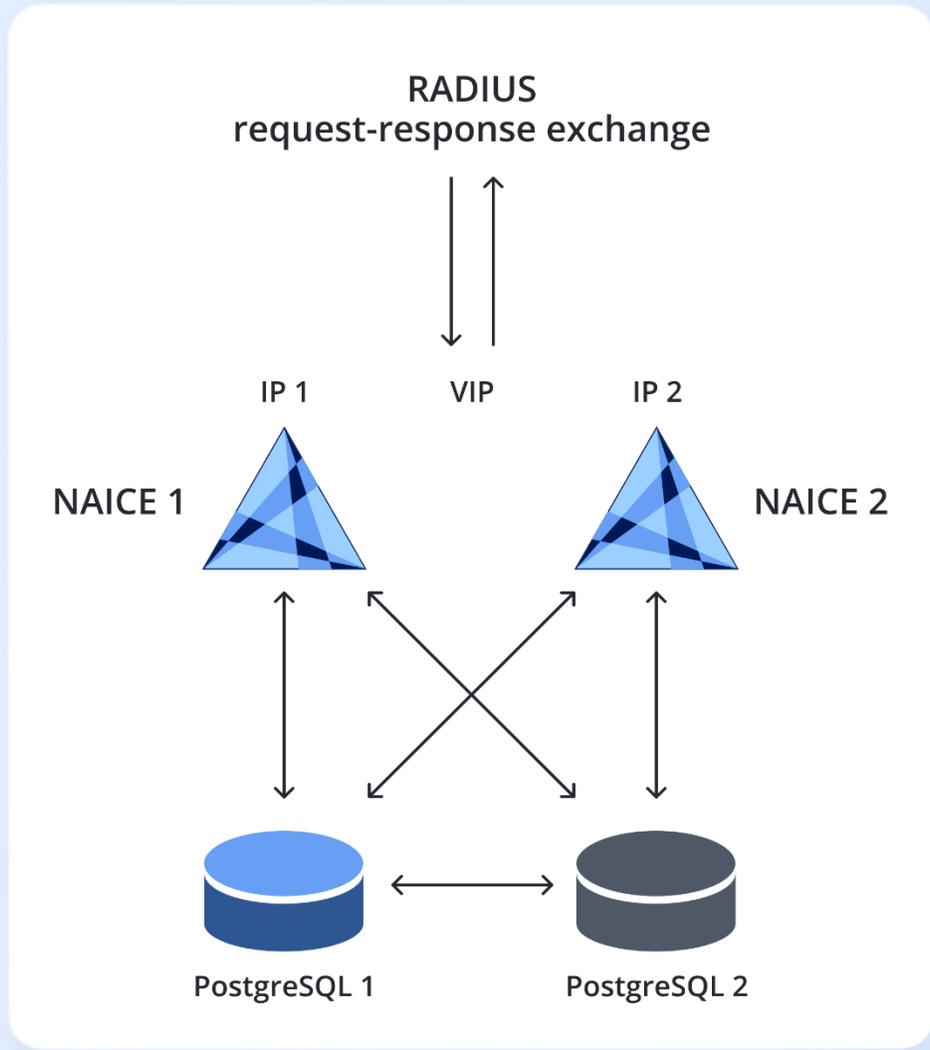
Русский English

Portal support service:  
help@naice.ru

# Main features



## Active-Active redundancy scheme



# Main features



## Device admin authorization (TACACS+)

Monitoring > TACACS+ > Connections journal

TACACS+

Connections journal Accounting

Every minute Last month Period Filters

Creation time ↓	Status	More	Packet type	User	Device name	Error reason	Remote address	Privilege level	Command	Session ID
02.02.2025 10:00:00	Pass		AUTHENTICATION	mikhail.grachev	sw3103-5		192.168.0.210	1		8981842260656128
02.02.2025 09:48:00	Pass		AUTHORIZATION	veronika.karaeva	sw3102-2		192.168.0.211	1	enable	6488106203086848
02.02.2025 09:43:00	Pass		AUTHORIZATION	alisa.agapova	sw301-1p		192.168.0.219	15	configure	8399729968807936
02.02.2025 09:38:00	Pass		AUTHORIZATION	yuliya.izmailova	sw3101-1t		192.168.2.44	7	show port-security	1030253182976
02.02.2025 09:38:00	Pass		AUTHORIZATION	yuriy.dmitriev	sw2410-1		192.168.0.38	1	show version	1154042430488576
02.02.2025 09:28:00	Pass		AUTHENTICATION	elizar.romanov	wlc281-2		192.168.1.149	1		2723169678917632
02.02.2025 09:27:00	Pass		AUTHORIZATION	gleb.chernyahovskiy	sw3101-2t		192.168.2.45	15	switchport access vla...	8998556985720832
02.02.2025 09:25:00	Pass		AUTHORIZATION	svetlana.chagina	sw3101-1p		192.168.0.194	7	show flow-control	1321859566010368
02.02.2025 09:21:00	Pass		AUTHORIZATION	dmitriy.volkov	sw3102-1t		192.168.2.47	15	interface switchport ...	2126500451057664
02.02.2025 09:20:00	Fail		AUTHORIZATION	egor.novikov	sw3101-2	Command not define...	192.168.0.193	1	show running-config	831712128925696
02.02.2025 09:20:00	Pass		AUTHORIZATION	artem.panchenko	sw3101-2p		192.168.0.196	1	show spanning-tree	3572081620942848
02.02.2025 09:18:00	Pass		AUTHENTICATION	dariya.harlamova	sw2410-3		192.168.1.150	15		1677682836242432
02.02.2025 09:14:00	Pass		AUTHORIZATION	aleksandr.cherkasov	sw2512-1		192.168.0.46	1	show bootvar	3493989330190336
02.02.2025 09:12:00	Fail		AUTHENTICATION	nikita.bondarenko	sw301-1	Identity user not fou...	192.168.0.218	1		3112534305406976
02.02.2025 09:14:00	Pass		AUTHORIZATION	denis.kastanaev	sw2410-2		192.168.1.148	15	interface GigabitEthe...	6032536035655680

AD Total elements: 15 Last update time: 02.02.2025 10:00:00



# Demo

Hands-on features overview

# Plans for 2026



## Roadmap

### 1Q26

- **Login to NAICE via AD/LDAP and roles mapping**
- **EMAIL server integration**
- **Peeper integration** for self-monitoring

### 2Q26

- **2FA login to NAICE** require NAICE administrators to use two different types of identity verification
- **Portal voucher** is a special type of limited account
- **Portal events** to track successful and failed logins
- **EAP-TTLS** authentication protocol support
- **Support OVA / QCOW2 images** for NAICE reservation

### 3Q26

- **Posturing** for evaluation of compliance of endpoints
- **CoA and quarantine** for non-compliant or compromised endpoints
- **EAP-TEAP/FAST** for chaining RADIUS EAP protocols proves more secure than EAP-PEAP or EAP-TLS
- **Sponsor portal** allows network owner to grant permission for guest accounts to join the network

### 4Q26

- **Geo-distributed redundancy** is a data protection strategy that involves replication of data, applications, and IT infrastructure across multiple geographically dispersed data centers
- **BYOD support**
- **Posturing** development continues

# Licensing

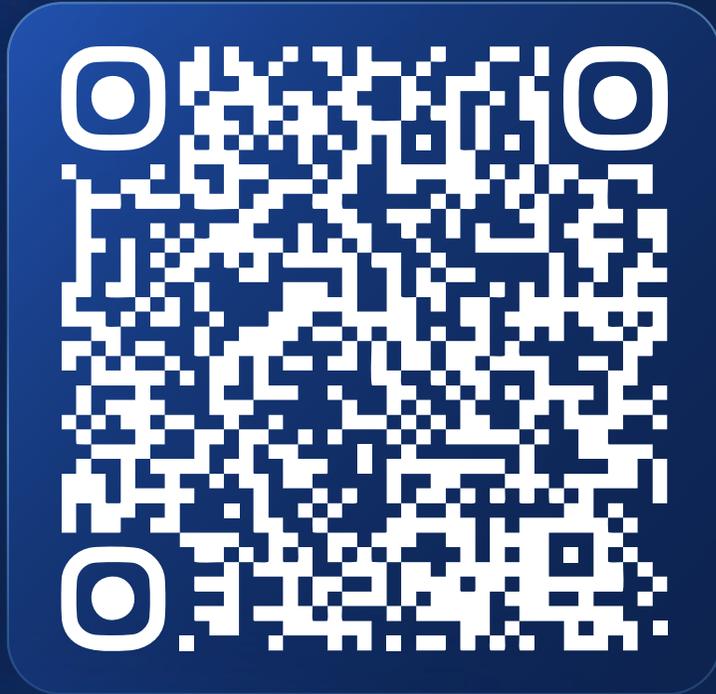
## Considerations and guidelines



### **The following parameters factor into the license cost:**

- How many endpoints do you require?
- Do you need portal authorization for wireless connections?  
(this determines license type – Basic or Advanced)
- Do you need TACACS+ support?
- Do you plan for redundancy?
- ✓ Licensing through a license server (online or air gap) or file licensing with reference to hardware characteristics
- ✓ In demo mode, there is a limit of 15 available endpoints

# Testing



- ✓ Please contact us to obtain a test license
- ✓ Installation instructions and documentation can be found on the product page at [eltex-co.com](https://eltex-co.com)



**Q&A**



We are always open to discuss, develop  
and customize products to your needs



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