



neBULA**ACCESS**®

Dynamic Adaptive  
Multifactor Authentication

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# neBULAACCESS®

## Dynamic Adaptive Multifactor Authentication

Advances in digitization have led to an unavoidable **need for managing services and/or information on the network** (whether external or internal). They have also evolved to **minimize the risks associated** with using these services. For this reason, the username and password method must be replaced by an **authentication based on two-factor criteria (2FA) and one-time passwords (One-Time Password, OTP)**.

**nebulaACCESS**, a multi-factor authentication (MFA) solution in SaaS mode, expands the **variety of robust authentication mechanisms** and allows users to establish **different types of authentication in the access control systems** of each organization and company, such as web portals, VPN connections, or corporate networks (extranet). These factors of authentication respond to a series of criteria based on the need of use, the cost and the risks involved in access.



# One Tool, Multiple Authentication Options

With nebulaACCESS, the user will have at his disposal, from his workstation or on the move, a **wide range of robust authentication methods** that adapt to his needs:

\*Operational Q4/22 | \*\*Operational Q2/23



SMS OTP



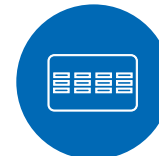
Time-Based  
Token Software



PUSH OTP\*



Email OTP



Coordinate Card



Passwordless\*\*

# App vinTOKEN

## Secure Mobility Access

The vinTOKEN authentication application, with the integrated management system, can be used by any mobile device or tablet to generate **various types of OTP codes based on four OATH authentication systems**:

- Time-based OTP
- OTP based on events
- OTP numerical challenge and response
- OTP challenge and response based on QR

OTP codes are generated quickly and securely in **three easy steps**:



### Step 1

User PIN entry



### Step 2

Generation of the security OTP code



### Step 3

OTP code renewal every 30 seconds



vinTOKEN is available on the following marketplaces:





# Simple and Accessible Integration Model

## RADIUS Service

nebulaACCESS uses **RADIUS** servers to provide centralized authentication management services.

The platform deploys **RADIUS** servers on the customer's network, **fully managed from the cloud**.

## ADFS Extension

The nebulaACCESS MFA component for AD-FS servers offers a **single login with robust authentication for applications with Internet** access, such as the Gmail mail service and its personalization.



# Maximum Security

## for your Organization's Ecosystem

nebulaACCESS provides the **highest level of security** to organizations **through adaptive authentication**, used to decide, based on the level of risk, **which authentication operations are the most suitable for the analyzed environment**. The level of risk is calculated after collecting information about the user (name, email, phone) and the environment in which it was done (web browser, operating system, etc.)

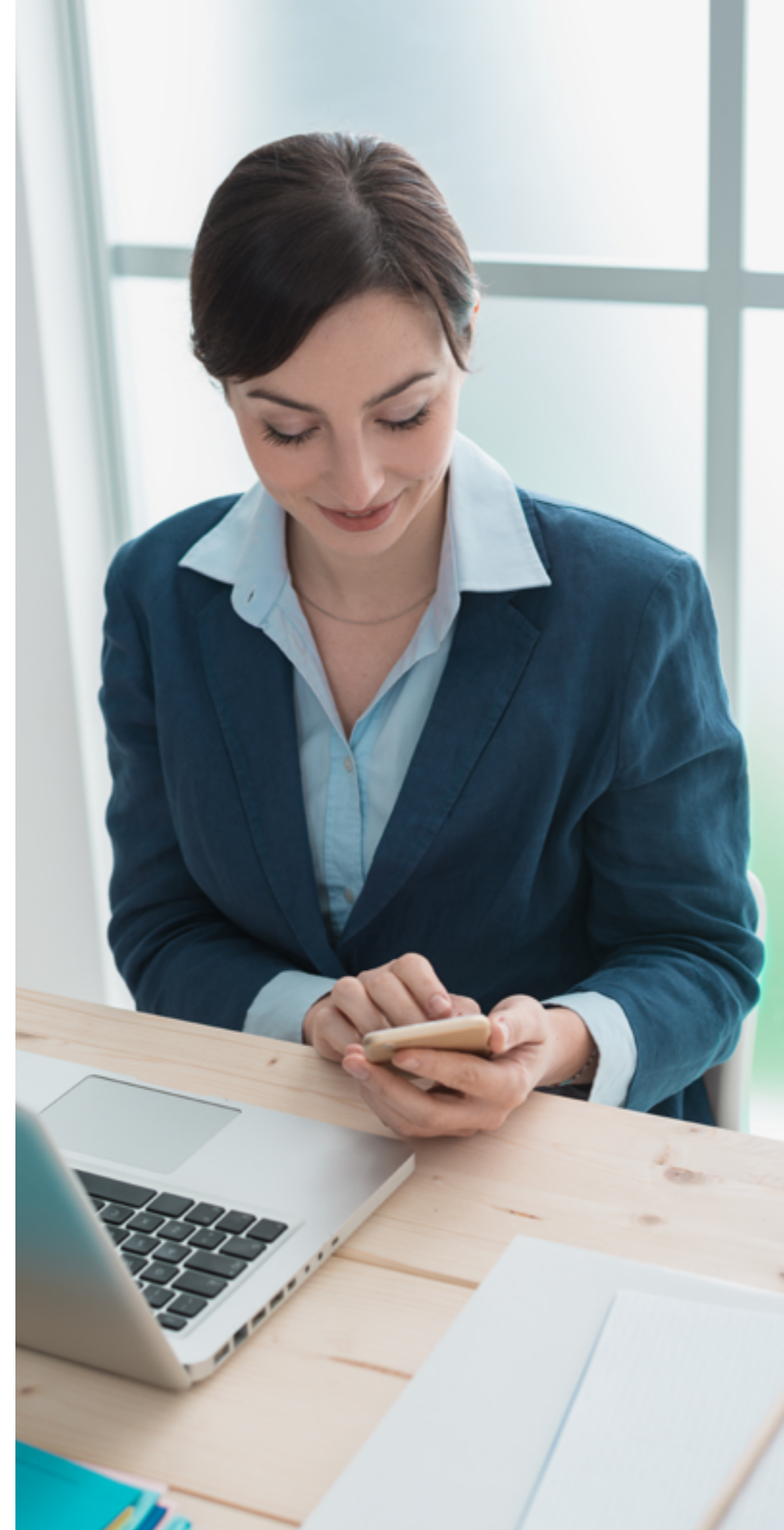


# Flexibility

## for your Strong Authentication Process

Through its **flexible management system**, nebulaACCESS allows:

- **Automatically create and distribute authenticators** based on group policies
- **Set lock type**
- **Automatically cancel authenticators** if users leave
- **Integrate different authentication mechanisms** at the same time and centralize audit control
- **Delegate online access security management**
- **Create an audit trail**
- **Regenerate forgotten or lost authenticators** on demand
- **Allow transaction authentication** using traditional challenge-response mechanisms for iPhone and Android
- **Customizable message text**
- **Configurable number of OTP retries**
- **Blocking model in case of failure** (configurable or indefinite time)





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## Benefits



- **Prevent security breaches** in VPNs, websites, corporate cloud-based applications, or workstations
- **Facilitates mobility and remote work** without compromising information security
- **Ensures secure access** on company mobile devices and tablets
- **Makes authentication processes more flexible** without sacrificing maximum security
- **Allows risk analysis** for fraud prevention
- **Features multiple robust and easy-to-use authentication options**, both from workstations and mobile devices
- **Adaptability to the identity of the company** thanks to the personalization of content
- **Quick installation** that facilitates the integration of projects
- **Unlimited scalability** in situations where it is necessary to increase the number of users (lockdowns, remote work, etc.)

# Features



## Soft Token in Mobile Applications

With **four OATH authentication systems**: time-based OTP, event-based OTP, numerical challenge and response OTP, and QR-based numerical challenge and response OTP.



## Cloud Administration

Overview dashboard, RADIUS client configurator, ADFS client configurator, applications for OpenID configurator.



## Authentication Engine

MFA authentication engine, risk-rule-based MFA authentication engine.



## Multiple Authentication Options

VinTOKEN Mobile Authenticator, SMS OTP, Email OTP, Time-Based Software Token, Coordinate Card, PUSH OTP, Soft Token.



## Peripheral Systems

vinTOKEN application, MFA connector for ADFS, vinACCESS client migration tools to cloud, credential provider.



## Audit Portal

Operations audit, operations audit export.

# Features



## Wide Integration Possibilities

Web front ends, VDI, SAML, systems, and applications (Java API, PHP API, C# API, HTTP Servlet, EAI, RADIUS), Microsoft Office 365, Citrix XenApp, VMware, and VPN-SSL (Juniper SA, Cisco ASA, F5 FirePass, Cyberoam, Fortinet, etc.).



## Cloud Services

Cloud multi-factor authentication engine, Open ID API, and centralized management.



## User Repository

Mass user upload, AD user upload, use of corporate credential in AD, possibility of cloud users.



## Strong Authentication for Workstations and Critical Servers

Establish a second authentication factor, as well as username and password for each workstation or server, or completely replace the authentication method with nebulaACCESS by synchronizing passwords in an active directory.



## Metrics Portal

Dashboard of usage metrics, automatic status report.



## Integration Model

RADIUS V2 Protocol, 3-Step MFA Authentication, First Factor Bypass, Customizable Attribute Injection, Per-client RADIUS Service Configuration.



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