

Rocket® MFA (IBM i Edition)

Improve security and regulatory compliance while safeguarding data environments for future innovation

Modernizing your IBM® i applications and data has led to better digital experiences and the extension of those applications to web, mobile, and cloud environments. But these same conveniences have also placed your organization at risk of today's cyberthreats and security breaches. Running a network-level over-the-top multi-factor authentication (MFA) solution does not provide the comprehensive coverage you need to bolster the security of your IBM i. Without a security strategy that protects your IBM i at multiple levels, someone who gains access to the network can easily take advantage of any static passwords to IBM i.

Protect business continuity and competitiveness by deploying Rocket® MFA (IBM i Edition)—an MFA solution designed specifically to deliver a layered defense against password threats.

Basic password protection is no longer sufficient to deter cybercriminals, who employ creative methods like phishing and malware to overcome your defenses. Layered defenses that include Rocket MFA (iE) will become increasingly essential to protect your mission-critical applications and data running on IBM i, while ensuring unhindered innovation, regulatory compliance, and confidence amongst your employees and customers.

Product benefits

- 1 End-to-end MFA security exclusively engineered for IBM i
- 2 Comply with stringent data regulations and align with security best practices
- 3 Create a secure but scalable environment where innovation can thrive

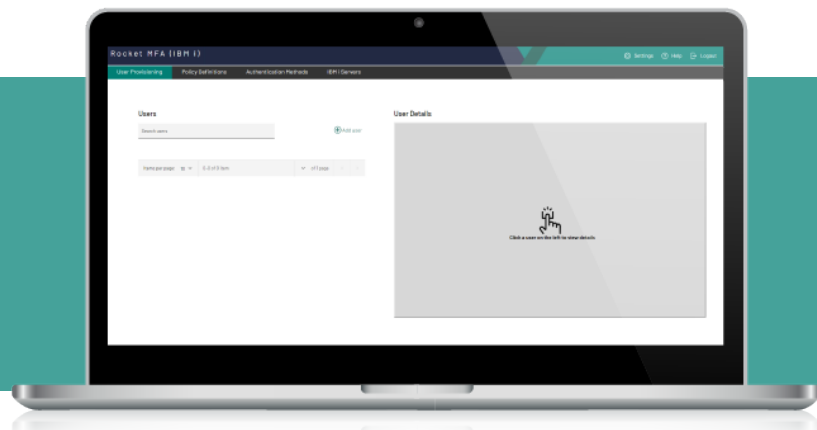
Passwords are no longer a deterrent against sophisticated cyberattacks. **According to the Verizon 2020 Data Breach Investigations Report:**

37%
of breaches
used or stole
user credentials

22%
involved social
engineered attacks
like phishing

17%
used subtle
malware attacks,
like keyloggers

Easily set up users in the Rocket MFA (iE) portal.
Quickly see their permissions and adjust, as needed.





End-to-end MFA security exclusively engineered for IBM i

Rocket MFA (iE) is designed to seamlessly integrate with IBM i, replacing static password protection with multi-factor authentication tokens on both the operating system and application layers.

Rocket MFA (iE) also provides flexible support for:

- RADIUS protocol and RADIUS-based RSA SecurID
- LDAP authentication
- YubiKey hardware authentication devices
- RedHat Linux on Intel MFA servers running IBM i client support.

Rocket MFA (iE) features an integration with Rocket® Terminal Emulator, allowing you to effortlessly extend MFA security across your terminal emulator.

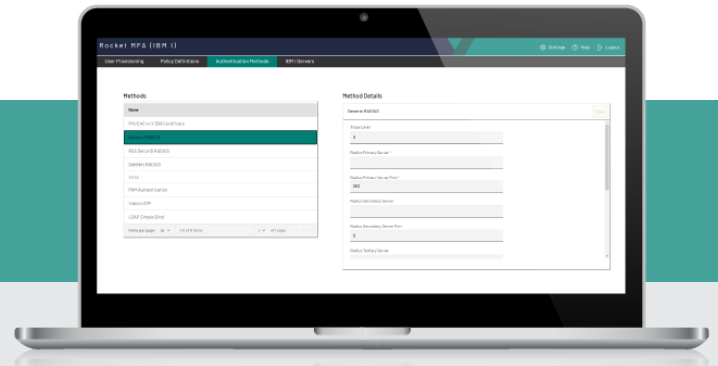


Comply with stringent data regulations and align with security best practices

With greater frequency of data breaches come stricter—but necessary—data protection laws and regulations. No matter where they operate, or where this data resides, today's organizations must comply with regional or industry regulations to prevent audit scrutiny, and keep crippling fines or penalties at bay.

Integrating Rocket MFA (iE) into your security policies brings you a step closer towards compliance. Demonstrate commitment to security with a broad selection of multi-factor authentication options, each designed to counter the vulnerabilities of password-based security.

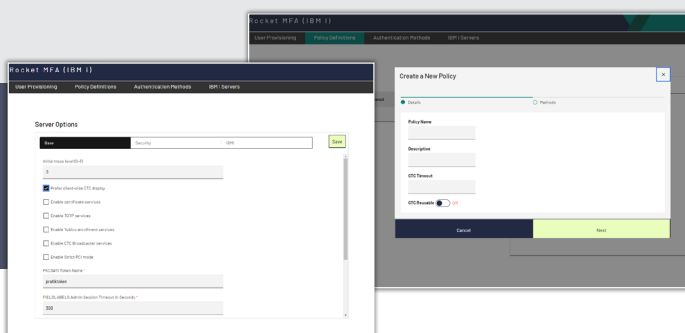
Rocket MFA (iE) can be set up to authenticate across a number of security methods and protocols, including RSA SecurID RADIUS, LDAP, TOTP, or Yubico OTP.



Create a secure but scalable environment where innovation can thrive

Greater levels of security shouldn't come at the expense of progress and innovation. Rocket MFA (iE) keeps your back-end digital environments airtight against password breach threats, while ensuring the applications and services hosted on those environments remain easily accessible to employees and customers.

Deploy Rocket MFA (iE) across your on-premises, cloud, and hybrid environments that contain mission-critical IBM i data and applications. Extend the lifetime utility of your IBM i infrastructure and secure your organization's ability to provide cutting-edge, innovative digital experiences for years to come.



Whether you need to enable TOTP services, setup Yubico, or create new policies, set up is as easy as the click of a button



Rocket MFA (IBM i Edition) Technical Specifications

Rocket MFA provides alternative authentication mechanisms for IBM i systems. Rocket MFA also provides authentication mechanisms for Red Hat Enterprise Linux Server, SUSE Linux Enterprise Server, and AIX systems that use pluggable authentication module (PAM) authentication.

Rocket MFA Server and GUI Requirement			Required Rocket MFA Server Ports
Component	Package	Version	Port Name
Red Hat Enterprise Linux Server on Intel	Distribution	Version 8.1, or later	<ul style="list-style-type: none"> Server Authentication Port Mutual Authentication Port
postgres database	postgresql-server.x86_64	As included in distribution	
openCryptoki	opencryptoki.x86_64 opencryptoki-swtok.x86_64	As included in distribution	
openssl	openssl.x86_64	Version 1.1.1	
libssh2	libssh2.x86_64	Version 1.9, or later	

IBM i Version	IBM i Configuration
7.2 and later	<ul style="list-style-type: none"> The IBM i system must allow ssh authentication. The password level of the system must allow the Rocket MFA-generated credential (CTC) to be used as the IBM i password. The QPWDVLV level affects the CTC style that is allowed. <ul style="list-style-type: none"> QPWDVLV levels 0 or 1 require an 8-digit CTC. A 16-digit CTC requires a minimum of QPWDVLV level 2. QPWDVLV level 3 is recommended for the best compatibility. Ensure that QPWDRULES does not include *ALLCRTCHG so that system password composition rules do not prevent the CTC from being used as a password. If QPWDRULES includes *ALLCRTCHG, it must be removed.

Rocket MFA PAM Clients	
Component	Requirement
rocketMFA.pam	<ul style="list-style-type: none"> Installed on every AIX system on which you want to use Rocket MFA for authentication. The AIX operating system must be at the following versions: <ul style="list-style-type: none"> AIX 6.1 with Technology Level 9 SP 8, or later AIX 7.1 with Technology Level 5 SP 3, or later AIX 7.2 with Technology Level 1 SP 1, or later
<ul style="list-style-type: none"> rmfa-pambase-1.1.0.0-latest.rhel8.x86_64.sh rmfa-pamfallback-1.1.0.0-latest.rhel8.x86_64.sh 	<ul style="list-style-type: none"> Installed on every Red Hat Enterprise Linux Server Intel system on which you want to use Rocket MFA for authentication. The Red Hat Enterprise Linux Server must be at the following versions: <ul style="list-style-type: none"> Red Hat Enterprise Linux Server 8.x, or later.
<ul style="list-style-type: none"> rmfa-pambase-1.1.0.0-latest.rhel8.ppc64le.sh rmfa-pamfallback-1.1.0.0-latest.rhel8.ppc64le.sh 	<ul style="list-style-type: none"> Installed on every Red Hat Enterprise Linux Server on Power system on which you want to use Rocket MFA for authentication. The Red Hat Enterprise Linux Server must be at the following versions: <ul style="list-style-type: none"> Red Hat Enterprise Linux Server 8.x, or later.
<ul style="list-style-type: none"> rmfa-pambase-1.1.0.0-latest.sles15.ppc64le.sh rmfa-pamfallback-1.1.0.0-latest.sles15.ppc64le.sh 	<ul style="list-style-type: none"> Installed on every SUSE Linux Enterprise Server Power system on which you want to use Rocket MFA for authentication. The SUSE Linux Enterprise Server must be at the following versions: <ul style="list-style-type: none"> SUSE Linux Enterprise Server 15. Other versions may work but have not been tested.

Rocket Software empowers organizations to create legendary impact in the world through innovation in legacy technologies. With deep expertise in IBM Z, IBM Power, and database and connectivity solutions, Rocket solutions power tens of thousands of global businesses, solving real problems and making real-world impact.

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