



Devolutions
Gateway

TECHNICAL SPECIFICATIONS

Technical specifications

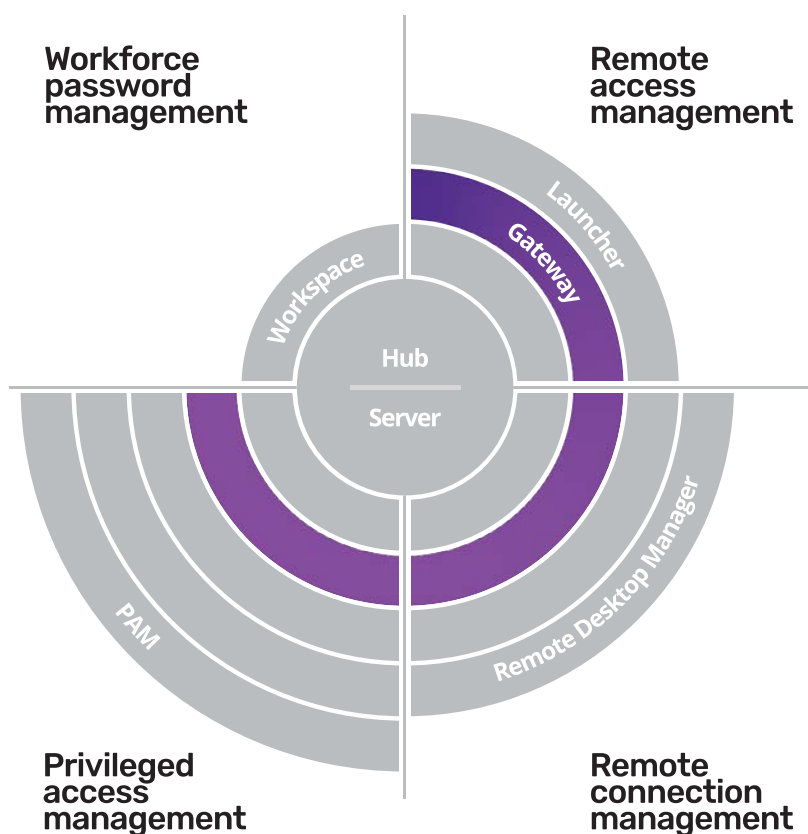


Devolutions Gateway

Devolutions Gateway offers system administrators a streamlined alternative to complex, always-on VPNs.

This lightweight service, written in memory-safe Rust and released as open-source, operates at the edge of a segmented network. This just-in-time (JIT) workflow allows temporary access for contractors and team members without maintaining blanket network access. Sessions are secured through role-based access control (RBAC) and optional multi-factor authentication (MFA), while insecure protocols are wrapped in an encrypted WebSocket tunnel.

Once deployed, Devolutions Gateway tightens attack surfaces by exposing only specific ports and machines, eliminating firewall and access control list (ACL) change requests. User activity is logged for audits, while optional session recordings provide a complete forensic trail without additional tools. Devolutions Gateway can scale from single instances to multi-node farms. With installers for Windows and Linux, a standalone version for small businesses, and deep integration with Remote Desktop Manager, Devolutions Gateway enables secure, high-visibility remote access within minutes.



SYSTEM REQUIREMENTS

Devolutions Gateway offers flexible deployment options in two versions: managed and standalone. Managed instances are tightly integrated into the Devolutions ecosystem, while standalone instances provide a simple web-based interface for small businesses and those evaluating Devolutions Gateway. For a managed instance, the Gateway must be reachable by [Devolutions Server](#) or [Devolutions Hub](#) and by [Remote Desktop Manager](#) (if used).

Minimal implementation (1 to 5 concurrent sessions)	2 vCPUs 4 GB RAM
Small implementation (5 to 15 concurrent sessions)	4 vCPUs 8 GB RAM
Medium implementation (15 to 75 concurrent sessions)	8 vCPUs 16 GB RAM
Large implementation (more than 75 concurrent sessions)	Deploy multiple Devolutions Gateway instances.

A Gigabit Ethernet controller is recommended for optimal performance.

SOFTWARE REQUIREMENTS

- Windows 10 (version 20H2, 21H1, and 21H2), or Windows 11 (minimum version 21H2)
- Windows Server 2016, 2019, 2022, or 2025 with .NET Framework 4.8
- Ubuntu Linux 20.04
- Red Hat Enterprise Linux (RHEL) 8
- PowerShell 7 (required only for using the [Devolutions Gateway PowerShell module](#))

CERTIFICATE REQUIREMENTS

Devolutions Gateway supports TLS 1.2 and TLS 1.3 as well as the following cipher suites:

- AES_256_GCM_SHA384
- AES_128_GCM_SHA256
- CHACHA20_POLY1305_SHA256
- ECDHE_ECDSA_AES_256_GCM_SHA384
- ECDHE_ECDSA_AES_128_GCM_SHA256
- ECDHE_ECDSA_CHACHA20_POLY1305_SHA256
- ECDHE_RSA_AES_256_GCM_SHA384
- ECDHE_RSA_AES_128_GCM_SHA256
- ECDHE_RSA_CHACHA20_POLY1305_SHA256

INSTALLATION AND UPDATES

Devolutions Gateway offers several installation methods. The Devolutions Console application provides an easy installation path for Devolutions Server users. Installation packages are also available for Devolutions Hub users or those who need more flexible deployment options.

Installation methods

- Integrated installation from the Devolutions Console application
- MSI package for Windows deployments
- Debian package for Linux deployments
- Source code and additional packaging are available from the open-source GitHub repository

SECURITY SPECIFICATIONS

Devolutions Gateway uses the existing protocol's security layer or wraps insecure protocols, such as Telnet, inside a WebSocket tunnel after authentication and authorization.

Devolutions Gateway authorizes connections using short-lived, pre-authenticated tokens. After authentication (which can include MFA), these tokens are generated on-demand by Devolutions Server or Devolutions Hub, applicable to a managed Devolutions Gateway instance. Standalone instances generate their short-lived tokens.

COMPLIANCE AND CERTIFICATIONS

Security certifications

- ISO 27001:2022 certified
- ISO 27701:2019 certified

SUPPORTED PROTOCOL TYPES

Devolutions Gateway offers multi-protocol support as a lightweight VPN replacement. A network scan is performed through Devolutions Gateway with the following protocols supported:

- RDP
- SSH
- ARD
- VNC
- PowerShell
- LDAP
- Kerberos
- Web connections
- Telnet

OPEN-SOURCE COMPONENTS

Devolutions Gateway includes several open-source components, including other projects developed by Devolutions.

- [Devolutions IronRDP](#)
- [Devolutions sspi-rs](#)
- A list of Rust crates used is available in the [open-source GitHub repository](#)

LOGGING AND REPORTING

Logging and reporting are available from within Devolutions Server or Devolutions Hub. On-disk logging provides granular troubleshooting events, whereas reports available within Devolutions Server and Hub provide activity-based reporting.

- On-disk log file
- Devolutions Server
- Devolutions Hub

Event	Log Location
Session status	On-disk log file
Configuration errors	On-disk log file
Recording status	On-disk log file
Job status	On-disk log file
Vault permissions	Devolutions Gateway permissions report
User permissions	Devolutions Gateway permissions report
VPN open or close	Activity logs
Recording viewed, interrupted, or preserved	Activity logs
Gateway created, updated, or deleted	Administrative Logs
Gateway health check	Data source logs
Gateway status	Data source logs

EDITION COMPARISON

There are two editions of Devolutions Gateway. The managed version is tightly integrated within the Devolutions ecosystem and offers the broadest features. A standalone version is available through a simple web-based console for those trying the application.

Feature	Managed	Standalone
Stand-alone website		✓
Multi-protocol access	✓	✓
Role-based access control	✓	
Comprehensive logging	✓	
Centrally managed updates	✓	
Deep RDM integration	✓	
DVLS and Hub web-based console	✓	
Session recording	✓	

ABOUT DEVOLUTIONS

Devolutions empowers IT teams to secure access, credentials, and remote connections through an integrated platform built for real-world complexity.

From workforce password management to privileged access and remote connection control, our solutions are tailored to the needs of IT professionals, business users, and external partners alike. Headquartered in Quebec, Canada, we remain proudly independent and committed to making advanced IT solutions accessible, usable, and affordable — for organizations of all sizes.



[Devolutions Documentation](#)



[Release notes](#)



[Forum](#)

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