

## Feature Breakdown: Remote Access

### Overview

Remote Access is groundbreaking, feature-rich addition to Admin By Request Server Edition, which leverages familiar Admin By Request approval flows and features to enable secure, browser-based connections to servers and network endpoints. This solution revolutionizes the way IT administrators manage and access critical systems by eliminating reliance on traditional VPNs and jump servers while maintaining a secure and segregated setup, with all features and configurations accessible from the intuitive and familiar Admin By Request Portal.

In today's complex IT environments, finding a **simple solution for ensuring secure user access** to servers and network endpoints is challenging. Users need to be on the internal network or find workarounds such as VPNs or jump servers. If those aren't options, providing access involves exposing protocols like RDP and SSH to the internet. These methods raise efficiency and security concerns: being on the network is impractical, and exposing protocols to the internet isn't a secure solution for accessing critical infrastructure.

### The Problem

In all cases, tracking user activity during remote sessions is difficult. Existing products on the market are often cumbersome to set up and require re-learning of new and complex software tools.

### The Solution

**Enter Admin By Request Remote Access:** a solution which enables enterprises to authorize users for time-limited access to internal assets, directly from the browser.

Built on secure access principles and leveraging the existing Admin By Request PAM approval flow, Remote Access is available as a fully managed or on-premises setup. All remote sessions are audited and video-recorded, seamlessly integrated into the familiar web Portal alongside existing features including Requests, Inventory, and Reporting.

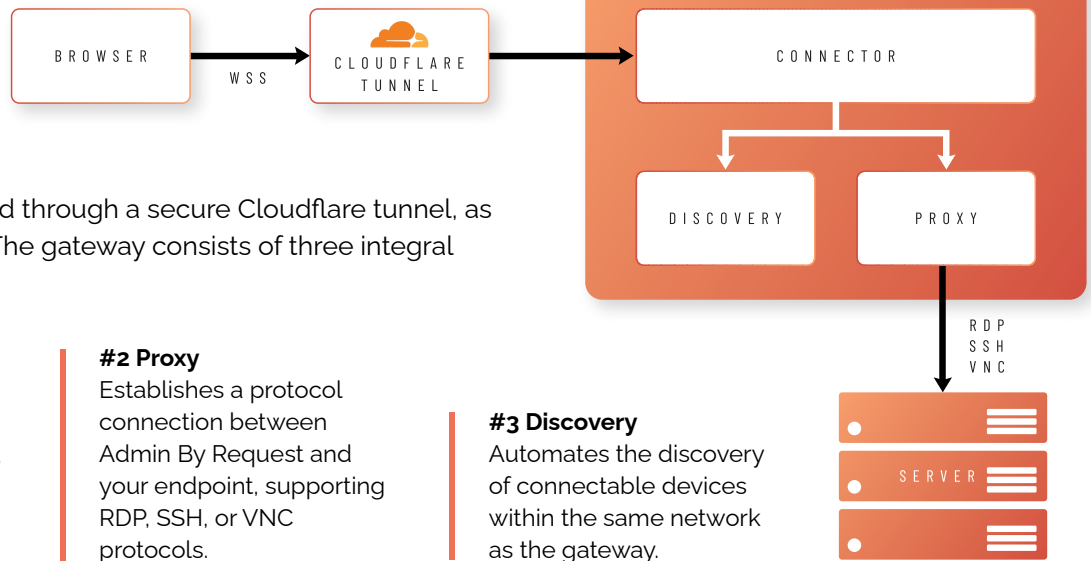
**Beyond offering comprehensive visibility** and security, Admin By Request Remote Access embodies our core design philosophy: user-friendliness.

We strive to make technology accessible and straightforward for everyone, and our latest feature exemplifies this by providing immediate usability. Essential functions are pre-configured for convenience, allowing you to 'plug-and-play' without any complexity. You can explore more advanced features at your own pace, retaining control over the learning process.

# How it Works

The core concept of Remote Access is to empower users to connect to remote endpoints effortlessly through their browsers. This is achieved by establishing a Secure WebSocket connection to a Docker-based gateway, whether hosted internally or as a managed service.

## Gateway Connection



The connection is facilitated through a secure Cloudflare tunnel, as illustrated in the diagram. The gateway consists of three integral components:

### #1 Connector

Manages data validation, translation between the portal and proxy container, log management, health checks, and other critical functions.

### #2 Proxy

Establishes a protocol connection between Admin By Request and your endpoint, supporting RDP, SSH, or VNC protocols.

### #3 Discovery

Automates the discovery of connectable devices within the same network as the gateway.

## Tailored for Your Infrastructure

Remote Access provides flexibility with two primary setups. Prerequisites vary based on your chosen setup, ensuring a tailored and efficient integration.



### Managed Cloud Service

A fully managed setup with seamless operation via Admin By Request.

**Prerequisites:** Requires only an outbound connection to establish a secure tunnel and installation of the Admin By Request Server agent.



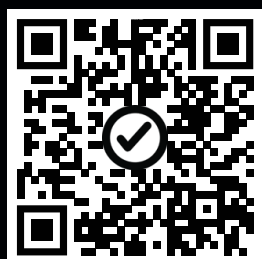
### Self-Hosted Implementation

On-premises deployment using Docker within your infrastructure.

**Prerequisites:** Involves running Docker containers and allowing outbound connections to Cloudflare for tunnel establishment.

## Key Benefits

- **Revolutionized Connectivity:** An innovative browser-based solution simplifies device access.
- **Streamlined IT Management:** Integrated PAM features ensure centralized, efficient management.
- **Flexibility at Its Core:** Customizable for both managed cloud and self-hosted solutions.
- **Seamless and Tailored Integration:** Fits into existing infrastructures without disruptions.
- **Innovative Technology:** Leverage Cloudflare tunnels for cutting-edge, secure remote connectivity.
- **Prerequisites Made Easy:** Simple solutions for self-hosted or cloud service configurations.
- **Simplified Experience:** Connect effortlessly through a user-friendly remote access environment.



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Admin By Request