

Regulated National Water Company – ZoneZero® SDP

High Level Use Case

The Regulated National Water Company use case discusses the deployment of ZoneZero SDP in order to allow the national water company's remote users and contractors to access data center located applications

Target Market/Customers

- + Regulated organizations
- + Energy companies
- + Government agencies
- + Federal agencies

The Challenge

As the country's national water company, the company is responsible for providing water to most of the households in the country for many years. To monitor the water consumption, and bill the customers, the company employees company workers, and contractors, who measure and report the water consumption around the country.

In order to locate the required water meters and report the consumption, the users utilize various applications such as a mapping and ERP systems. These systems are located in the company's corporate network.

The company wanted to provide VPN access to these systems for the remote workers, however the challenge arose as these users utilize their own mobile phones and laptops, which significantly complicated the distribution and deployment of VPN clients on non-company endpoints.

The Need

There was a need to deploy a solution which will address the following requirements:

- + Allow company workers, and contractors to access corporate resources (e.g mapping and ERP systems) without installing a VPN client on their own mobile phones and laptops
- + Solution had to be deployed fully on-premises because the company is highly regulated and very limited as to which cloud services it is allowed to consume
- + Solution had to be easy for users to learn and use
- + Maintain highest levels of security
- + Ensure a low attack surface for the water company

ZoneZero® SDP Solution

Safe-T's ZoneZero SDP changes the way organizations grant secure external access to their services.

This product is part of the ZoneZero Perimeter Access Orchestration platform that provides central management of all secure access technologies and helps organizations achieve Zero Trust Network Access (ZTNA).

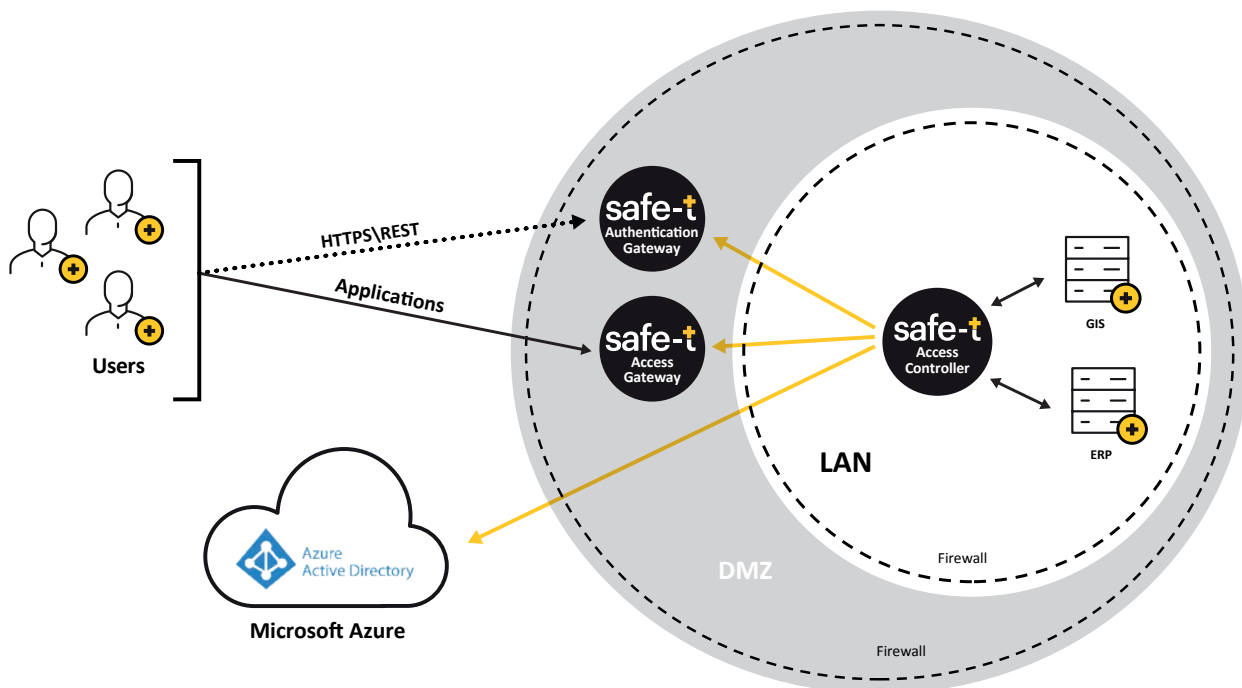
ZoneZero SDP offers secure and transparent access for all types of entities (people, applications, and connected devices) to any internal application, service, and data, such as HTTP/S, SMTP, SFTP, SSH, APIs, RDP, and WebDAV.

ZoneZero SDP implements Safe-T's patented reverse-access (outbound) technology which eliminates the need to open incoming ports in the organization's firewall.

As can be seen in the below diagram, the water company deployed Safe-T's ZoneZero SDP solution, allowing them to easily roll out a remote access solution which is fully BYOD friendly. They achieved this this by deploying all the ZoneZero SDP components in their data centers - Access Controller, Access Gateway, and Authentication Gateway.

The flow of traffic is as follows:

1. User logs into the authentication portal published by the **Authentication Gateway**
2. The user enters the credentials into the portal
3. The **Access Controller** retrieves the credentials from the **Authentication Gateway** over a reverse-access connection, and then authenticates the user using the organization's Azure Active Directory
4. Once the user is authenticated, the **Access Controller** instructs the **Authentication Gateway** to display to the user the allowed services, and instructs the **Access Gateway** to provide (reverse) access to the specific user to the relevant services
5. The user accesses the newly published services via the **Access Gateway**



Features & Benefits Include:

- + Clientless – seamless implementation
- + Works in parallel with existing technologies (VPN)
- + Scales precisely according to usage
- + Simple, cost effective, and secure deployment
- + Easily connect remote locations
- + Fast deployment
- + Protect networks from attacks
- + Enhance Zero Trust Network security
- + Improve data security by closing incoming firewall ports
- + Based on Safe-T’s patented Reverse Access
- + Non-web protocols ready – SMB, RDP, SSH, any TCP
- + Full on-premises implementations
- + Support humans, application, and connected devices

Frequently Asked Questions (FAQ)

- + **Is your solution software based or hardware based?**
Our solution is software based
- + **Does your solution require modifications to applications?**
No, our solution does not require any changes to applications
- + **Can you Safe-T ZoneZero SDP replace a VPN or MPLS?**
Yes, our solution can replace a VPN or MPLS for the specific discussed use case
- + **Do we have basic logging functions which are included in the core package?**
Yes, our solution includes logging of administrator and user actions
- + **Which applications does your solution support?**
Safe-T ZoneZero SDP supports passing traffic to any TCP based application
- + **Which types of users does your solution support?**
Safe-T ZoneZero SDP supports traffic from human users, applications, and connected devices
- + **Can your solution be used to connect networks located in separate physical locations?**
Yes, our solutions can be used to connect networks located in separate physical locations, cloud networks to datacenter networks, etc