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Secure Access as a Service

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For the first time, ZebraCloud launches a secure remote access system for organizations that require:

- Simplified and secure remote access to the organization's resources
- Compatible solution, tailored to an organization's information security policy
- Standardizing secure access across the organization's resources, maintaining consistency
- Easy access to the organization's resources
- Decentralize users in various sites or in Private/Public Cloud
- Quick access to resources and developments in AWS/Azur/GCP/Alibaba operation environments
- Laying emphasis on business continuity and disaster recovery, provide solutions for remote work
- Easy installation, application and upkeep of the solution while maintaining low costs

Simplified and secure remote access to the organization's resources (on premise and cloud)

The market needs and challenges

In today's world of high mobility and connectivity, organizations are required to provide their employees with the ability to work remotely while granting each user, device and operating system access to the organization's information systems.

Remote access is one of the most common targets for cyber-attacks. Organizations allowing remote access are constantly exposed to phishing attacks and hacking attempts to its information resources.

The users of the organization are often not aware of cyber security risks and demand to enjoy technology that is easy-to-use and operate.

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Higher compatibility with an organization's information security policy

A granular approach by user or group:

The system provides granular restricted access to a user or a group, according to predefined privileges.

Reverse proxy servers:

The system provides clientless and indirect access to the organization's resources only via reverse proxy servers.

The following services are accessible:

- Web services (Outlook web access, SharePoint, any web application)
- File services
- Terminal services such as SSH, Telnet
- Remote desktop services such as Remote Desktop, Citrix VDI, Vmware VDI
- VPN per application – a service which establishes a secure perimeter between a specific application and an internal information server within an organization
- Full VPN services – remote access service by TLS VPN, granting direct access to an internal resource/application.

Device compatibility test:

The system can inspect each connected device and examine its compatibility to the organization's requirements: Is an anti-virus installed and is it up to date? Is the firewall service active? Is the user workstation patched as per the manufacturer's latest security updates? The system can identify the user's device in a univalent manner, thus preventing connections from unauthorized devices.

Strong user identification:

The system provides user identification abilities, among the most advanced in the industry:

- A local user management server with password management abilities.
- Compatibility and support for most of the identification servers in the market.
- Supporting two-step identification without incurring extra costs (Google Authenticator Mobile Application).
- The ability to function as a central identification server for cloud services or provide app services for cloud services (SAML IdP/SAML SP).
- Advanced Single Sign On (SSO) mechanisms which provide single/one-time access to multiple resources.

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Documentation and user visibility while working with the organizational information:

The solution opts to provide full visibility of the client's connectivity to the system and the activity within the internal organizational information.
This information can also be continuously exported to other organizational systems or produced as reports on user access.

Maintaining consistency in the secure access to the organization's resources and ease of access

An employee who cannot access the organization's information systems disrupts the organization's workflow. Our system ensures work continuity from everywhere, using any device and internal resource.

Supported operating systems:

- Windows
- Mac
- Linux
- Android
- Apple iOS

The system allows for seamless configuration and a clear, automated user environment. In multiple cases, the end user simply needs to turn on the workstation and log into the system.

Decentralize users in various sites or in Private/Public Cloud and quick access to resources and developments in AWS/Azur/GCP/Alibaba operation environments

The remote access system is provided in multiple versions compatible to private and public cloud systems. The system can be installed onto the following major private/public cloud systems:

- Vmware
- Hyper V
- KVM
- AWS
- GCP
- Azure
- Alibaba Cloud

Many organizations that use public cloud services are required to provide secure access to the company's DevOps and development resources. Using this solution, developers can connect and work securely from anywhere and at anytime on a code that exists somewhere in the world.

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Providing solutions for remote work in case of a transfer to a site for disaster recovery (DS)

During a disaster in the organization's information system site or loss of service in the main site of the organization's information system, the organization is required to provide its users with quick responses and allow for quick and secure access to its information services. The solution allows to install an additional system to the organization's recovery site (with no extra costs) and to implement the user licenses on the system installed in the DR website, upon need. The client will only pay for the number of users activated during the transfer to the disaster recovery site.

Easy installation, application, and upkeep of the solution while maintaining low costs

The system is simple and easily installed on every virtual system at the client's or on a public cloud. Clients who are interested in a physical appliance can purchase it as per the monthly billing model, which is licensed per the number of users the organization requires.
The system will be installed by our ZebraCloud's licensed distributors and safeguarded by Zebra's certified team of engineers.

A graphic outline of the solution