Zero Trust Network

RevBits ZTN Provides Secure Remote Access to Enterprise Applications, Data, and Services Based on Clearly Defined Access Control Policies.

As the perimeter expands to remote endpoints, protecting the network through proper authentication of workers and third-parties is imperative. Enabling a Zero Trust solution that delivers access security beyond VPN is also imperative.

Solution features and capabilities

As remote workforces grow and third-party access needs increase, the need for proper network security has far exceeded simple VPN applications. While VPNs provide a level of protection through encrypting inbound traffic, they fall short in that they fail to provide inbound user authentication, in other words, VPN security stops at the network perimeter. RevBits Zero Trust Network (ZTN) protects the perimeter wherever it is and extends complete security to the network, its assets, and applications.

Secure internet connectivity
Let RevBits ZTN handle secure Internet connectivity and authentication for remote users. With RevBits ZTN's secure portal, users will connect safely and securely to network assets via the internet. Secure connections ensure network access is controlled and safe.

Fast and secure connections around the world
With over 24 geographically distributed cloud regions, Rev Bits ZTN has proxy servers available for remote network access anywhere in the world.

Remote Browser Isolation
RevBits Remote Browser Isolation (RBI) is built on top of Chromium and Firefox and utilizes Network Vector Rendering (NVR) technology to deliver a safe and secure mechanism for users to visit and interact with websites. Admins can define and manage user permissions,

ensuring only authorized users access the internet and allowing safe website visits and actions. Live streaming of key logs, video logs, and forced session termination creates even more granular control. Known malicious sites are actively blocked, and admins can create URL blacklists to enhance security and proper internet use within company work policies. User-noticed latency is nonexistent, and open browser tabs are limitless.

> **RevBits ZTN protects the perimeter wherever it is and extends complete security to the network, its assets, and applications.**

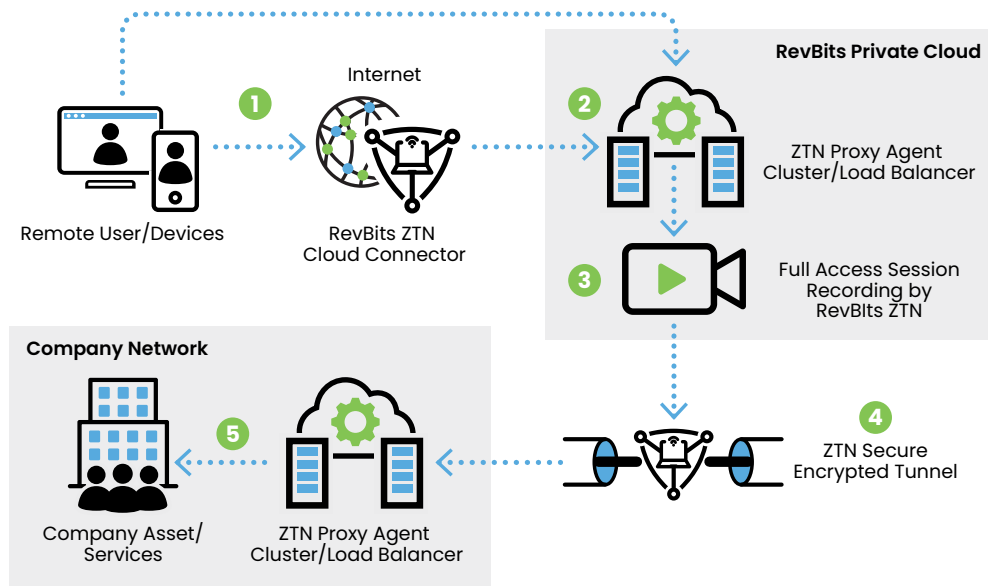### Full administration access to ZTN session
RevBits ZTN allows admins to control every aspect of a remote access session, including monitoring, reviewing, recording, and killing any session with one click, if needed.

Load-balanced and highly available
Regardless of the number of users, Rev Bits ZTN will automatically scale to meet access needs. RevBits dynamically allocates resources to support application scalability by auto-scaling and elastically load balancing capacity. In addition, RevBits ZTN's high-available architecture means it is always ready and available to secure remote access to the network.

Authentication choice
RevBits ZTN authentication options include fingerprint, facial recognition, YubiKey, SAML, MFA APP, text, and many others. Extensive authentication options extend more profound security control of the perimeter.

For more information, go to www.revbits.com

RevBits Private Cloud

Internet

1

Remote User/Devices

RevBits ZTN
Cloud Connector

2 ZTN Proxy Agent
Cluster/Load Balancer

3 Full Access Session
Recording by
RevBIts ZTN

4 ZTN Secure
Encrypted Tunnel

Company Network

5

Company Asset/
Services

ZTN Proxy Agent
Cluster/Load Balancer

Network access is now secure for remote users and third-party access.

1 Authenticate to RevBits ZTN SaaS

2 Remote access to internal network via RevBits ZTN Proxy

3 Session recorded by RevBits ZTN

4 All traffic is encrypted and secure via RevBits ZTN

5 Asset and applications accessed remotely by user without client install

Internal asset access controls
RevBits ZTN allows for granular control, including time and length of access, and ensures only the proper host and the correct assets are accessed. Fine-grained access control is the real power behind Rev Bits ZTN.

A powerful platform
Combining Rev Bits ZTN with Rev Bits Cyber Intelligence Platform, administrators gain an unparalleled view into all sessions. Conducting a forensics investigation and assembling a timeline has never been so easy, intuitive, and seamless.

Mobile device support
Full access and authentication support for all mobile platforms. The RevBits ZTN application supports all current mobile device types.

Efficient user access
Avoiding client installs allows for seamless onboarding and quick access to all the assets a user needs on the internal network, with just a few clicks.

Software requirements

Operating Systems: All operating systems are supported

Mobile Apps: RevBits ZTN Mobile App is available in all major app stores and is needed to run the biometrics feature

Server: The RevBits ZTN agent is managed within the customer's network

Zero Trust Network benefits

SaaS-hosted proxy – RevBits ZTN is SaaS-hosted to provide easy access and onboarding of users and assets. RevBits puts security between the enterprise and its network perimeter. Combined with auto-scaling and advanced load balancing, RevBits ZTN dynamically scales with demand.

Full remote session control – RevBits ZTN provides the tools needed to manage, control, and audit any remote session within an organization's private network, from authentication to disconnection.

Zero-deployment – Rev Bits ZTN extends the perimeter to the end-user. There is no need to spend time deploying host-based clients to secure the network. Onboarding a new remote access host is a breeze with ZTN's intuitive and high-availability access portal.

Mobile device support for all – RevBits ZTN supports all mobile devices with native applications for each ecosystem. Authentication is user-designed and supports fingerprint, facial recognition, MFA apps, and Yubikey.

Additional solution features

Any device, anywhere, any time – RevBits ZTN auto-scaling architecture and user/host connections automatically increase and decrease with fluctuating demands, regardless of the time of day, geographic location, condition, or situation.

Web browser access – RevBits ZTN is a thin-client application. Administrators can access all assets from any web browser or smart device and retain complete control of all remote access sessions.

Key-point geolocation distribution – Extend the end-user perimeter wherever it is needed with distributed geolocation access points. Rev Bits ZTN connects users to needed applications and assets anywhere in the world — quickly, securely, and with minimal effort.

Stop Web-based Attacks – RevBits Remote Browser Isolation (RBI) delivers access management control to internet use. Admins can define and manage user permissions, ensuring only authorized users access the internet and allowing safe website visits and actions, further securing the organization's network from web-based attacks.

Keep Your Enterprise Protected. Get a Demo or Free Evaluation.
To learn more, visit www.revbits.com