

SECURING THE DNS AND DHCP INFRASTRUCTURE WITH CYBERARK AND TCPWAVE

Highlights

- TCPWave stores root password credentials in the CyberArk Privileged Access Security Solution.
- CyberArk enforces and enterprise policy to guard the mission critical DNS and DHCP devices from TCPWave.
- Provides defense in depth security to root password credentials.

Many organizations rely upon a static password for a privileged functional account which is insecure, however, the CyberArk + TCPWave integration mitigates this security concern using the CyberArk Privileged Access Security Solution.

Enterprise organizations rely on TCPWave's modern DDI solution to make their network infrastructure agile and scalable across traditional datacenters and hybrid clouds. Enterprises mandate numerous security and governance tools to protect their environments; the industry-leading CyberArk Privileged Access Security Solution often provides the required access control facilities. Securing the SSH keys for privileged access and building 'security up front' for network automation to function seamlessly is a common challenge in various Infrastructure and Operations organizations.

Leveraging Enrichment and Automation

The CyberArk Privileged Access Security Solution is an enterprise-class, unified solution that manages and secures all privileged access. It secures privileged credentials (e.g. passwords and SSH keys), controls access to these accounts, and isolates and records all privileged session activity for auditing and forensics analysis. Built on a single platform, the solution centralizes all privileged access and provides a single data source into the TCPWave solution.

The Domain Name System (DNS) is mission-critical infrastructure that all enterprises use and cannot function without. When mission critical DNS services malfunction, it can result in catastrophic network and system failure. The TCPWave IPAM secures the critical core network services in the enterprises by leveraging the modern tools designed by the SecOps experts for product development. It assists in automating the enterprise's NetOps tasks using a rich set of APIs that are made openly available to the DevOps community. It provides powerful management interfaces and can manage millions of IP addresses and the hostname mappings. It also provides high performance reporting, data management, advanced analytics and process optimization via automation.

Integrating CyberArk and TCPWave

To facilitate the integration between these two solutions, CyberArk can be configured to login to the TCPWave Infrastructure as a privileged functional account (root). After a successful login, the CyberArk solution takes over the root password management and changes the root credential. The password is stored in a secure, digital vault and rotated at regular intervals with all the managed devices kept in sync. The password is provided for a specified period to the authorized personnel of the enterprise on demand.

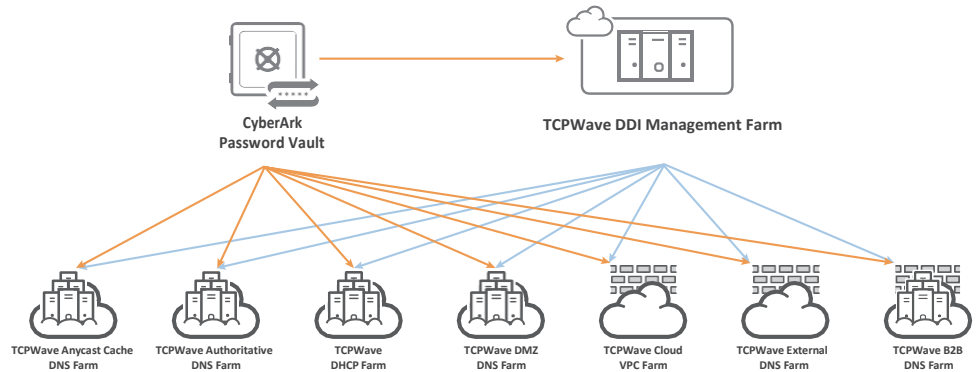


Partner Products

- TCPWave IPAM

CyberArk Products:

- CyberArk Privileged Access Security Solution



Summary

The CyberArk Core Privileged Access Security solution is a complete solution to protect, monitor, detect, alert, and respond to privileged access. The TCPWave IPAM is an enterprise grade DNS and DHCP management platform that is used by both medium and large enterprises. The native root password within the TCPWave appliance is managed by CyberArk Enterprise Password Vault (a component of the CyberArk Core Privileged Access Security Solution), which can be used to securely perform preventive and scheduled maintenance on the TCPWave DNS and DHCP appliances. The combined solution from CyberArk and TCPWave delivers enterprise-class security, and enables customers to deploy and manage a global DDI (DNS, DHCP and IP address management) ecosystem and expand the solution to meet changing business requirements.

Solution Benefits

- Prevent authorized users from mistakenly or maliciously executing damaging commands by limiting the scope of privileges to what is required.
- Secure network automation and management with streamlined auditing and reduction of network vulnerabilities and exploits.

About CyberArk

CyberArk is the global leader in privileged access security, a critical layer of IT security to protect data, infrastructure and assets across the enterprise, in the cloud and throughout the DevOps pipeline. CyberArk delivers the industry's most complete solution to reduce risk created by privileged credentials and secrets. To learn more, visit www.cyberark.com.

About TCPWave

TCPWave provides automated DNS and DHCP solutions using a secure management interface known as the TCPWave IPAM. The REST API calls provided by TCPWave are widely acclaimed in the DevOps space. The ability to securely provision a very large number of DNS entries and DHCP definitions with seamless auditing and rollback capabilities and extending such facility from the traditional data centers into the cloud is where TCPWave excels and provides an enterprise grade solution. To learn more, visit www.tcpwave.com.



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