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Omega TeleServe's SD-WAN Offerings Now Include Quantum Safe Security

Partnership with CybX Security Future Proofs Omega's Platform

DALLAS TX April xx, 2018--Omega TeleServe has partnered with CybX Security to add CybX's quantum level security to its SD-WAN offerings.

"Our customers and the marketplace are pushing for better and more integrated security functions as they migrate their legacy systems to SD-WAN," noted Omega CEO, Todd Williams. "Although many SD-WAN vendors have expanded their VNF platform to include more robust security features, we wanted to go even further and help our customers future-proof their security."

CybX Security is the first company to integrate technology solutions that are certified quantum safe by the National Institute of Standards and Technology, the American National Standards Institute, and the International Organization for Standardization, according to CybX CEO Sean Chumura.

Quantum computers are under development by IBM, Google, Intel, and several other organizations and most nations. By current estimates, quantum computers will not be fully operational for seven to 10 years; however, according to the *MIT Technology Review*, commercial quantum computers that operate at the level of today's super computers, could be available two to five years from now.

"Currently public key algorithms are based on mathematical problems that can be broken by a quantum computer, he noted. "Our Quantum CKM solution uses multiple algorithms to compartmentalize information into self-protecting data objects and enables users to set varying levels of access to those data objects, down to a punctuation mark in a document if need be."

CybX also offers three other quantum security products:

- Quantum Shield, which provides a mechanism to detect and stop programs before they are allowed to execute and detects internal unauthorized network connections, unauthorized Udp and Icmp probes eliminating both internal and external threats.
- Quantum Enforcer, which is network control and monitoring software that provides any organization with complete control of its computer system from a remote location. It cannot only monitor and alert the client of any changes to the system, but will also re-mediate those changes by restoring the system to its mission critical status.
- Quantum Browser, which fully isolates each user's browsing session within a remote virtual environment. Only a real-time, malware-free interactive view of the website is sent to the user's standard browser, eliminating any potential for malware and ransomware.
- Quantum Flare, ???

Williams noted the importance of protecting against quantum attacks, particularly for financial, healthcare or any industry that needs to keep information confidential for more than 10 years. "Even currently encrypted data is at risk," he said. "It's been reported that hackers are already intercepting communications transmitted with encryption that's currently all but unbreakable, with plans to break the encryption once quantum computing is available."

Omega has been a telecommunications reseller since 2012. The company was early to the SD-WAN marketplace and has installed and managed endpoints for clients in the healthcare, insurance, and retail industries. In 2016 it became the first reseller in the southwest for VeloCloud. It has since expanded its portfolio of SD-WAN vendors to include Versa and Cloud Genix.

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