teliapp
security whitepaper

Introduction

The culture of a society is centered around the knowledge, desires and expectations of its people. People often place desire above knowledge and assign arbitrary notions fashioned around convenience to their expectations. Over the last decade we've seen trends in social, computing, mobile and cloud that are changing the way people interact with the world around them. People want to utilize every available technological tool at their disposal both for productivity and for entertainment.

When hotels, malls, fast casual restaurants and other establishments started to offer free WiFi to their guests and customers, it was with good intentions. Unfortunately, we have seen ransomware, malware, malicious programming and even identity theft plague those who are not technologically savvy, exploiting our expectation of immediate, instantaneous Internet access regardless of time and location. It was this problem that motivated us to develop a viable solution, more specifically, a secure computer-to-smartphone Internet tethering solution that enables professionals to connect their computers to the Internet while staying in compliance with their respective data privacy restriction mandates (HIPAA, CUI, FERPA, etc.) with no loss of productivity.

Key User Benefits

Security, stability and speed

Security & Cyber Defense
Using public and non-secure WiFi exposes computers to security vulnerabilities and hacker exploitation. Professionals use non-secure WiFi despite vertical-specific regulatory issues. FetchPro provides a workable solution toward achieving compliance with strict data protection mandates with no loss of productivity. TeliApp is currently in the process of obtaining vertical-specific certifications for the product.

FetchPro offers additional cyber defense including blocking non-secure websites, encrypting all the DNS requests made by computer web browsers, and protecting Internet searches from third-party tracking. Conventional computer security software quarantines identified malicious software after it is already on the computer, while FetchPro filters it out before it reaches the computer.

FetchPro is a critical add-on
While they offer a safe way to connect work computers to critical data, *VPNs do not give the computer itself Internet access*. Therefore, their users sometimes establish their Internet connections through public or non-secure networks. FetchPro solves

this problem. Also, FetchPro enables work computers to connect to the Internet when they're not connected to their VPN, ensuring local files are not compromised.

Key Security Points

- Invisibility to potential hackers on local WiFi networks.
- *HTTPS Requests Only* blocks all non-secured websites.
- DNS Over TLS encrypts all DNS requests made by the computer's web browser, and protects it from third-party tracking.
- Smartphone filtration eliminates identified malicious software before it reaches the computer.

Stability

While hotspot connections get spontaneously disconnected (especially while in motion), FetchPro never suffers from connectivity issues between the smartphone and the computer.

Speed

Hotspot speeds are often throttled by network providers. Slow speeds make using hotspots frustrating and impractical. FetchPro offers the same Internet connectivity speed as the smartphone's current reception. With 5G, the Internet access speeds offered through FetchPro rival and even exceed that of home and office WiFi.

What The Product Is Not

While buzz words such as "cyber security", "Internet" and/or "VPN" evoke an immediate reaction, the tendency to bucket or categorize a product with minimal information leads to mistaken conclusions.

FetchPro is not a replacement for computer security software

FetchPro is not meant to supplant conventional and/or vertical-specific computer security software, as it is not a replacement for computer-security software..

FetchPro is not a replacement for a VPN

FetchPro is not a VPN, and is not a suitable replacement for firms that utilize a VPN. For companies that do not have a VPN in place either because they lack the technical sophistication or production need to set up a VPN, FetchPro is a valuable and important tool to keep their web browser activity safe. With no digital footprint, you remain a veritable ghost to hackers who would otherwise be aware of your presence on a local network.

FetchPro is not an ISP

FetchPro is not an ISP (Internet Service Provider). However, the product is a suitable replacement for slow, unstable or non-secure Internet access for computers.

What The Product Is

FetchPro enables instant Internet access for professionals
FetchPro is software that enables computer Internet access tethered through one's smartphone, without a hotspot. It is a convenient, stable, secure and inexpensive alternative to non-secure and public WiFi, wireless hotspots, USB and external SIM modems, and even to conventional ISPs. The product can be used 24/7 in hotels, at home, in coffee shops, airports, schools, hospitals, on the bus, train, airplane, and any location in which the user's smartphone has Internet access.

FetchPro augments an already robust and security-conscious computer environment
FetchPro is a critical add-on for conventional and/or vertical-specific computer security software, and a necessary add-on for companies that utilize a VPN, enabling the computer to obtain secure, stable and fast Internet speeds and eliminating the need to connect to a public and/or non-secure WiFi network, hotspots and external SIM modems.

#WorkFromHome

FetchPro's timing couldn't be better
FetchPro is the perfect short and long term solution to provide remote workers with fast, stable and secure Internet access on their computers. FetchPro creates a direct connection between the computer and the smartphone, turning the smartphone into a high-speed, stable, secure modem.
COVID-19 has forced over sixty percent of American workers to work from home. Keeping a fast and stable Internet connection is not easy with other household members also working from home, taking classes, playing video games, streaming content – all using up limited bandwidth on the home WiFi network.

Businesses secure workplace Internet access infrastructure to ensure the highest levels of data and network security. Yet, remote workers access the same work content, but on their home WiFi. With home WiFi usage from family members, it becomes impossible to secure home WiFi networks.

FetchPro enables computers to access the Internet without fighting for Internet bandwidth on the home WiFi network and is the perfect solution for remote workers. Professionals using FetchPro do not use home WiFi to access the Internet, thereby eliminating the need to secure home WiFi infrastructure.

Conclusion

High speed Internet access has changed us, forever

Humanity's science often charges ahead and outraces their hearts while the manner in which we interact with people, things and information continues to evolve. FetchPro was developed to help people get the Internet access they need, but to do so safely, without compromising speed, stability, performance, availability, or convenience.

We're proud of the product, and continue to derive professional and personal satisfaction from knowing that it keeps everyone safe when they're online.

Thank you for taking the time to read this white paper. Happy surfing!

Our best,

The TeliApp Team