DOWNRANGE TECHNOLOGIES

RICOCHET

RICOCHET is a web-based software toolkit designed to dynamically provision, configure and enable global secure communications on-demand. The toolkit provides users the ability to quickly and easily standup global, virtual, "ephemeral" communications infrastructure to enable secure data services, such as Anonymization and Redirection using encrypted protocols and industry best-practices. RICOCHET contains proprietary active and passive countermeasures with unique customization options requiring very little Operator technical effort. These countermeasures add an additional layer of random network traffic designed to counter the efforts of Network Defenders. RICOCHET contains and optional Early-Warning-System that can alert the Operator to probing activity.

Features

The toolkit is designed for use by a beginner-to-intermediate operator and does not require an in-depth technical knowledge to operate.

Offers secure communications: 2,048-bit RSA encryption and higher.

Globally available: Hosts can be dynamically placed in over a dozen countries, 30 locations and 60 data centers.

Hosts secure: Hosts are automatically secured using industry standard hardening techniques.

On-The-Fly Host Generation: Hosts are created on-demand and are never staged for use.

Self-Destruct: Hosts are (optionally) securely destroyed at a time specified by the operator.

Multi-Hop Capable: The Operator is capable of choosing the number and location of redirect hops needed; Entry and exit points.

End-to-End Encryption: Redirect Hosts do not contain crypto keys and cannot decrypt traffic.

Transports Supported: OpenVPN (tcp/udp) and OpenSSH protocols.

Multiple Vendors Diversity: RICOCHET supports multiple VPS and Datacenter providers; redirect paths can be built across different vendors.

Active and Passive Countermeasures: Client and server side agent produces false-positive traffic.

Early-Warning-System capable: RICOCHET-created hosts contain an optional lightweight IDS to monitor and alert for third-party probing and introspection.

Not Attributable: All resources can be purchased using non-attributable funds over non-attributable communication mediums.

Downrange Technologies is a software company based in Leesburg, Virginia. Downrange Technologies has been providing our customers with high-quality, feature-rich software since our company began in 1997. Downrange Technologies specializes in managed and unmanaged non-attributable secure communications infrastructure. We have impeccable past performance. For more information, please contact Joe Yeglic at joe@downrange.tech or (571) 934-6604

A demonstration video is available for download at http://downrange.tech/ricochet.mp4