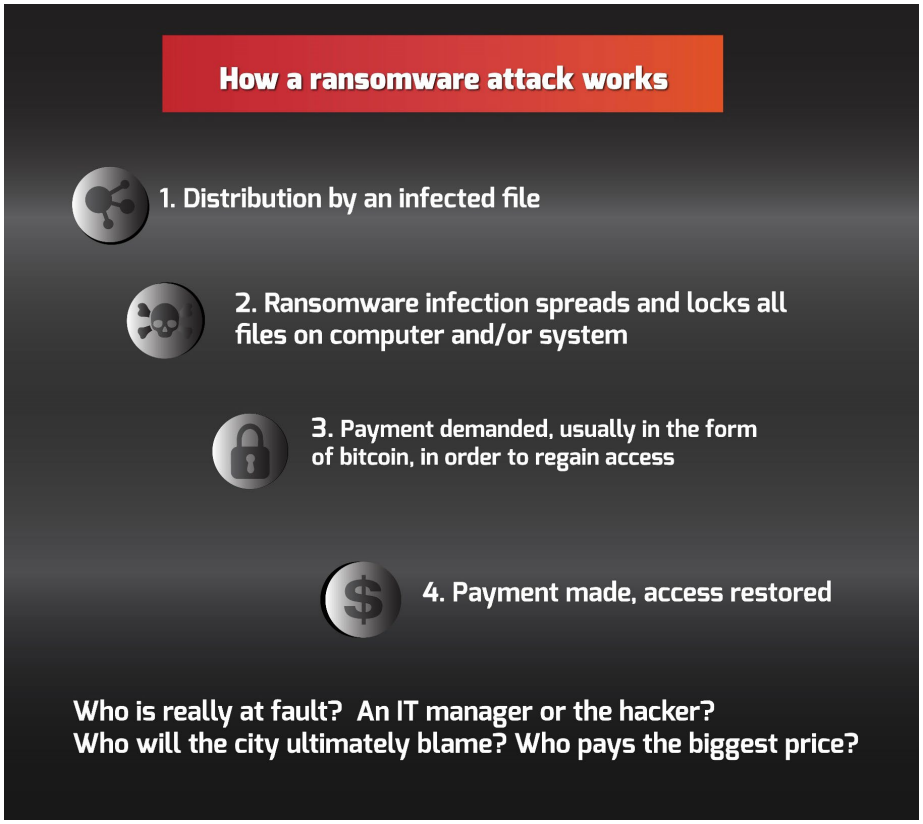
TekMonks

CITYSAFE

To Serve and Cyber-Protect

In the wake of recent ransomware attacks across the country, where locales are being held for ransom for weeks at a time by being shut out of their own systems. We direly needed specific protection for our local government data and safety in this "wild west" period of cyber.



All cyberattacks have the same objective, to connect to and steal data or otherwise comprise a secure backend server. In the case of ransomware, they are holding various city and governmental departments for ransom until high sums of money are paid out, usually via bitcoin. Which safeguards the hacker from being tracked.

In response to these attacks, TekMonks brings you CitySafe, a product unlike any other on the open market. Created to be a turnkey solution, it's quickly installed without having to upgrade any of your existing systems.

The Core Problem: Design of the TCP/IP Protocol

TCP/IP is the core protocol for all modern network communications was designed in 1972. The first computer virus was written in 1986 – called The Brain.

The problem herein is that TCP/IP was designed in an era when cyberattacks were unknown.

Consequently TCP/IPs have no security built into the core protocol.

TCP/IP requires that any server which is listening on an open port allows anyone who can access that network, access to the server. If a server doesn't listen and allow incoming connections, then it can't participate in communications.

Anything which is accessible is by definition hackable.

What if there was another way? A server which could serve data yet not be open to any incoming connections?

You can't hack what you can't access!

CitySafe is a patented technology created by TekMonks which allows for operating Listenless servers. These Listenless servers are not listening on any external ports, nor accepting any traffic. They are completely isolated and by definition un-hackable, however by participating in the reflection network, they are still able to serve data to external clients.

It is a TCP/IP protocol level reflection based network, which is a mirror image.

For example, if you look into a mirror, the mirror image will move the way you move and do what you do, but the image in the mirror is not you. A reflection server acts and behaves just as the actual server.

Reflections are Inherently Safe

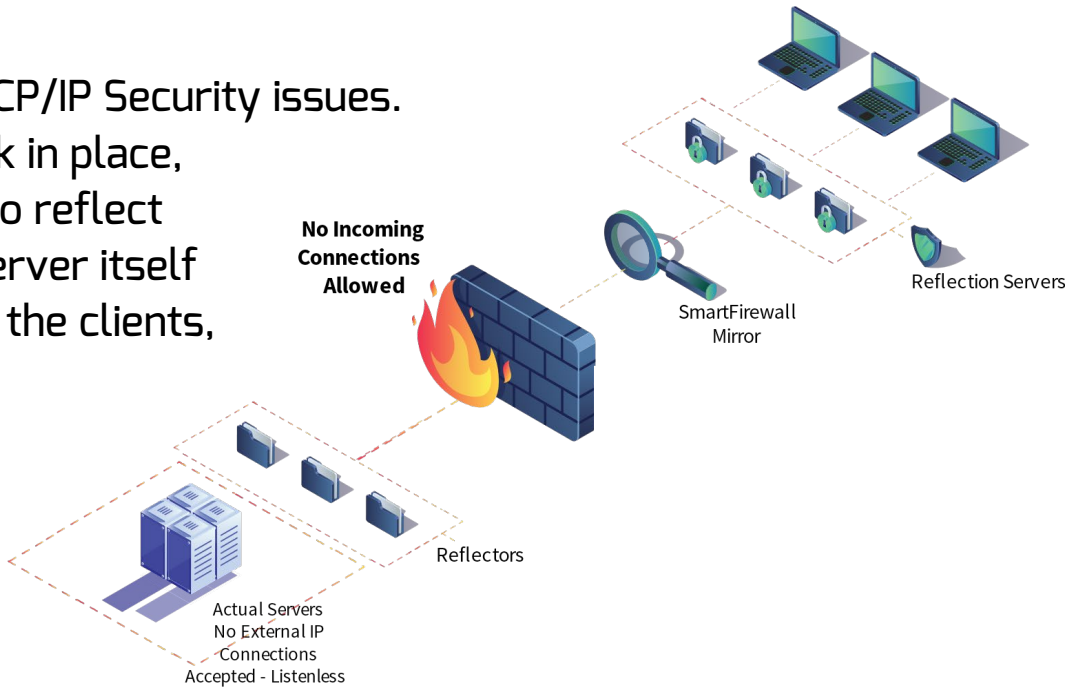
We all know that if someone tries to touch their reflection, all they will touch is the mirror. If they tried to attack it, the actual person will be unharmed.

A SmartFirewall Reflection server works the same - for example, it may look like an HTTP server but will contain no real HTML files. It may look like a Database server but will contain no real filesystem with actual data. Anyone who tries a known hack on a reflection server will find it is immune, as it is actually not even running the HTTP or Database or other software.

Reflections can be setup quickly, and are immune to all attacks, as they are not real, they just look and behave as if real.

The Holy Grail of Cybersecurity *Listenless Servers*

Simply put, it fixes the TCP/IP Security issues. With a reflection network in place, reflectors can be setup to reflect any server. The actual server itself will not be connecting to the clients, only the reflection will.



Therefore, the actual server doesn't need to listen on any ports or allow any incoming connections.

It is the reflector which opens an outbound connection to the reflection server. As the external clients connect to the reflection server, it then reuses these pre-existing connections to serve the clients.

All communications are AES-256 encrypted. There is no incoming network path from the reflection servers or the clients to the actual servers.

Not only does the reflection server contain no real data, it can't even open a path to the actual servers. It's now made ***unhackable!***

CALL TODAY

Receive a complimentary risk assessment ($8500 value) when you mention code: CAMI.

For a risk assessment and/or demo, please email US_sales@tekmonks.com or call 202-807-7682.

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