10 ELEMENTS of a Zero Trust Data Center

A true Zero Trust data center puts the end-user experience first.

That means:

- *Access is Fast, Reliable & Scalable*
- *Users & Devices are Protected*
- *Applications & Workloads Safeguard Data*
- *Security Accelerates Business Agility*

10 VISIBILITY INTO THE INVISIBLE

You can't protect what you can't see.

You need a complete view of the entire network across environments and how each part is secured from client to workload.

9 SEGMENTATION AT MULTIPLE POINTS

Let's break it down.

From users and devices, to between apps and workloads, granular segmentation and control can prevent unwanted access and prevents gaps in defense.

8 IDENTITY FOR USERS, DEVICES AND WORKLOADS

Identity isn't just for users...

it's for devices and workloads too. Identity consists of multiple factors to help spot risk across the network at any given moment.

7 SEAMLESS POLICIES NOT RESTRICTED BY LOCATION

Follow users, devices, and applications wherever they go.

Users, apps and workloads are always moving. Ensure security policies follow them wherever they go to limit potential attack vectors.

6 UNDERSTAND THE INTENT OF NETWORK TRAFFIC

Where is traffic going, and what is it doing?

Know as much as you can about all network traffic and where it's going, including traffic you're not decrypting. But how? Start by observing specific traffic indicators and behaviors.

5 AUTOMATE WHEREVER POSSIBLE

Make automation your superpower!

It makes your job easier and improves effectiveness across teams. Automation can ensure that changes made in one part of the data center are applied everywhere and can respond to attacks before they become incidents.

4 MONITOR AND USE ALL CONNECTION POINTS

Extend security beyond where it has traditionally been.

Leverage your routers and switches to detect threats and provide enforcement to protect your data center environments.

3 EFFECTIVE AT BLOCKING THE BASICS

True Story: If your security tech isn't catching known threats, it's not worth your investment.

The data doesn't lie! Do the research and see which security vendors are taking the threat landscape head-on and stopping attacks in your network.

2 MAINTAIN APPLICATION UPTIME

Failure is not an option.

Business success depends on the network being up and resources being connected. The cost of effective security cannot be network failure. Make sure your security solutions are reliable, provide lightning-fast failover, and provide the throughput your business needs.

1 KEEP MAKING PROGRESS!

Just keep swimming.

Don't worry if you don't have it all figured out. You're interested in Zero Trust: that's a great start. Next, choose an element to implement, and eventually, you will be able to achieve a Zero Trust data center. One step at a time is better than standing still.

You can do it!

DON'T FORGET THE EDGE!

Data is at the heart of every security initiative. The secret to keeping your data center protected is to also ensure effective security at the edge to protect access to that data. Protect user and devices access to applications and data that resides in your data center environments, and more effectively protect the entire network.

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