A Perspective:

Zero Trust Concepts & Terminology

Colonel Darcy Saint-Amant
Zero Trust Strategy
13 November 2019

Introduction - Definitions & Understanding

Perspective: "A particular attitude towards or way of regarding something; a point of view." https://www.lexico.com/en/definition/perspective

Quite:

1. (US) "To the utmost or most absolute extent or degree; absolutely; completely. **1.1** Very; really (used as an intensifier)"*

2. (UK) "To a certain degree or fairly significant extent or degree; fairly."**

* https://www.lexico.com/en/definition/quite
**https://www.google.com/search?q=definition&cad=h#dobs=quite

Trust: "To believe in the reliability, truth, or ability of someone or something. To accept the truth of a statement without evidence or investigation."

https://www.lexico.com/en/definition/trust

Zero Trust Terminology

Zero Trust _Security_   **Zero Trust _Framework_**   **Zero Trust _Strategy_**

Zero Trust _Architecture_   **Zero Trust _Network_**

Network / Environment   **Applications / Workloads**

Trust Level / Confidence Level

Policies

Zero Trust Principles / Concepts / Assertions

- **Never Trust, Always Verify** – All users and devices are treated as untrusted. Every device, user, application/workload and data flow is authenticated and explicitly authorized to the **least privilege** required using dynamic security policies.

- **Assume Breach** – Consciously operate and defend resources with the assumption that an adversary has presence within your environment. Deny by default, heavily scrutinize requests for access, users, devices and data flows. All traffic is logged and inspected.

- **Verify Explicitly** – All resources are **consistently** accessed in a secure manner using multiple attributes (dynamic and static) to derive confidence levels for contextual access to resources.

Take - Aways

- **Similar objectives**

  - **Common lexicon**

    - **Increased understanding**

DEFENSE INFORMATION SYSTEMS AGENCY
The IT Combat Support Agency

🖥 **www.disa.mil**   ⓕ **/USDISA**   🐦 **@USDISA**