Zero Trust Security Model with Microsoft 365

Nowadays, we need to take effective measures against cyber attacks. It was becoming complicated and difficult to take precautions, especially in attack types such as Supply Chain Attack. After the vulnerabilities and incidents, the Zero Trust Model emerged as an effective and important security approach.

When the Zero Trust Model is considered, a product can be perceived as a software. However, contrary to popular belief, Zero Trust is a security approach. The Zero Trust Model assumes that nothing is secure, even behind Corporate Firewalls. Therefore, it examines every request as if it were coming from an open access network and applies zero tolerance to every connection.

It doesn't matter where the demand comes from or to which source it is directed. He has a " never trust, always check " mentality.

In the Zero Trust Security Model, it is important that the request is fully verified, authorized and encrypted before granting an access request. In addition, it acts with a real-time detection and solution focus in possible abnormal situations and keeps system security at the highest level with the components integrated into the system.

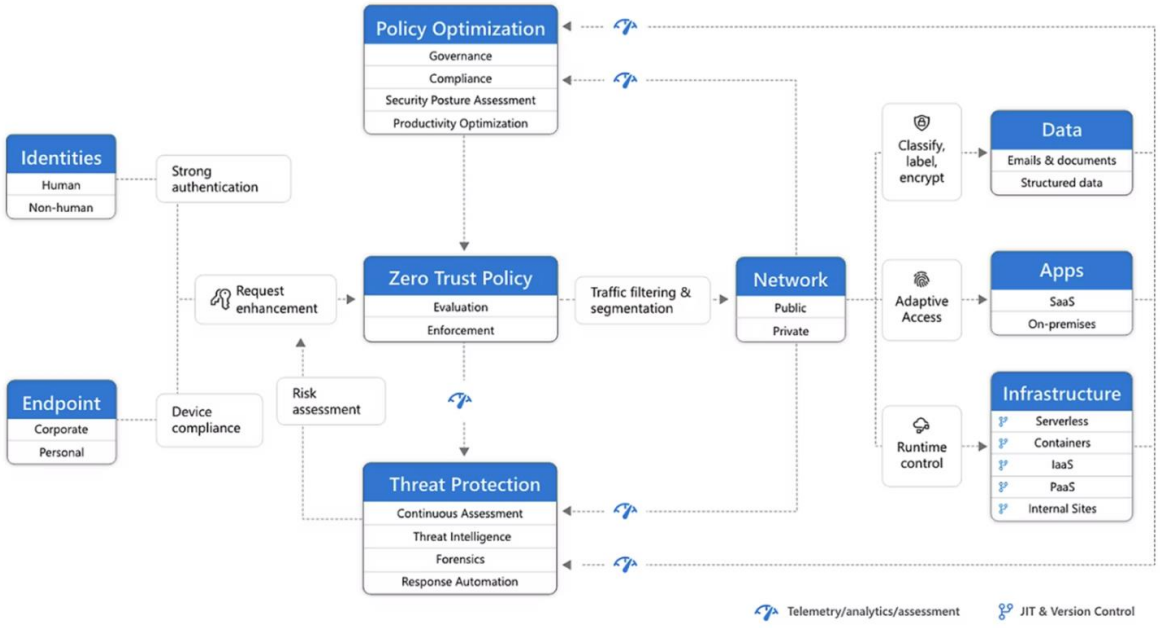
The Zero Trust Model should work in a way that ensures identity security, device and application security, and adapts data without platform dependency to today's widespread mobile use.

In the structure to be established in our companies, we should pay attention to the steps that form the Zero Trust Model and pay particular attention to whether these conditions can be included and met in cyber security solutions that will work integrated with the infrastructure.

Zero Trust with Microsoft You can take the test from the link below to see what level your security posture is.

[Safety Posture Test]

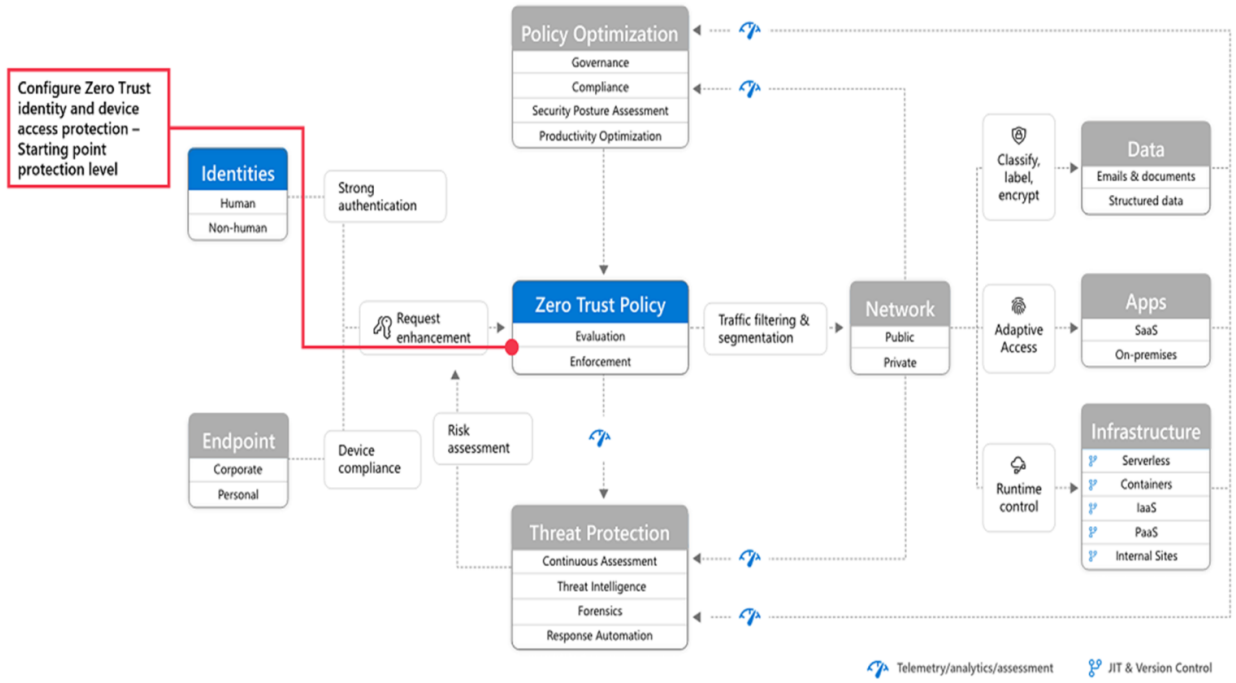
Microsoft Zero Trust Architecture



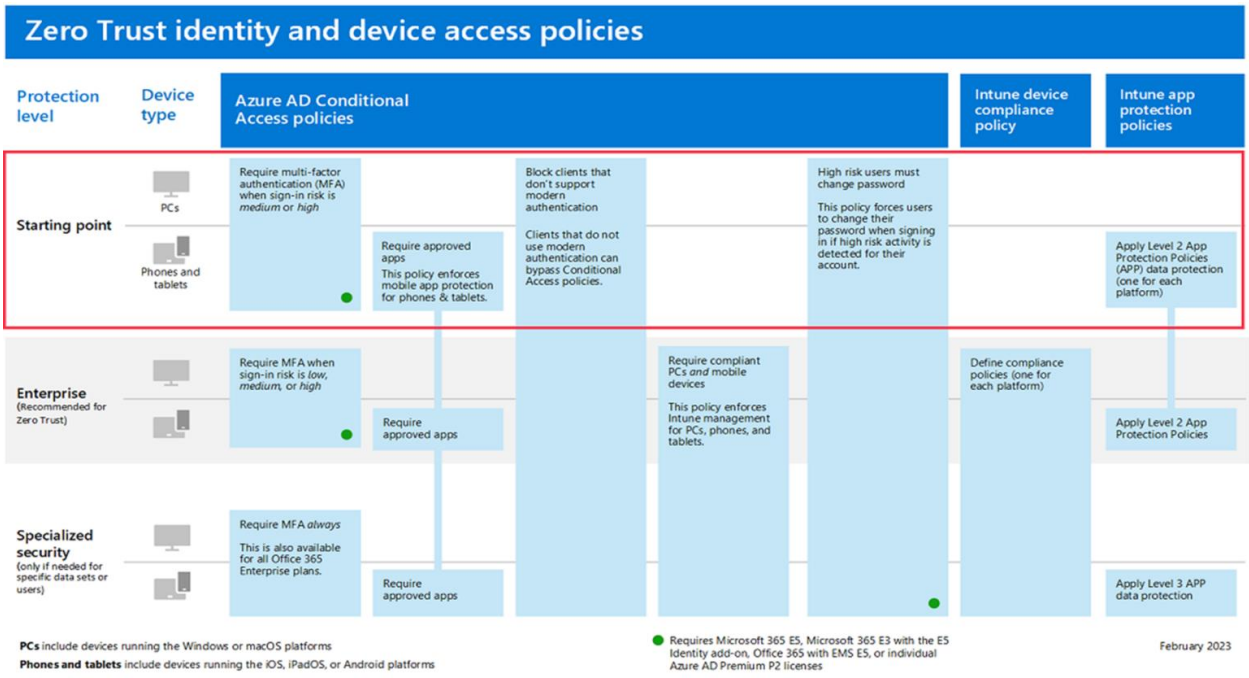
In Microsoft Zero Trust Architecture;

Security policies are at the heart of Zero Trust architecture. This includes MFA with conditional access, which takes into account user account risk, device health, and the criteria and policies you set. Identities, devices, data, applications, network and other infrastructure components are all configured with appropriate security. The policies configured for each of these components are coordinated with your overall Zero Trust strategy. For example, device policies set criteria for healthy devices, and conditional access policies require threat-free devices to access certain applications and data.
Additionally, Threat Protection and intelligence monitors the entire environment. It removes all risks occurring in the environment and activates automatic correction actions for incoming attacks.
When we briefly examine the Microsoft Zero Trust Distribution Plan;

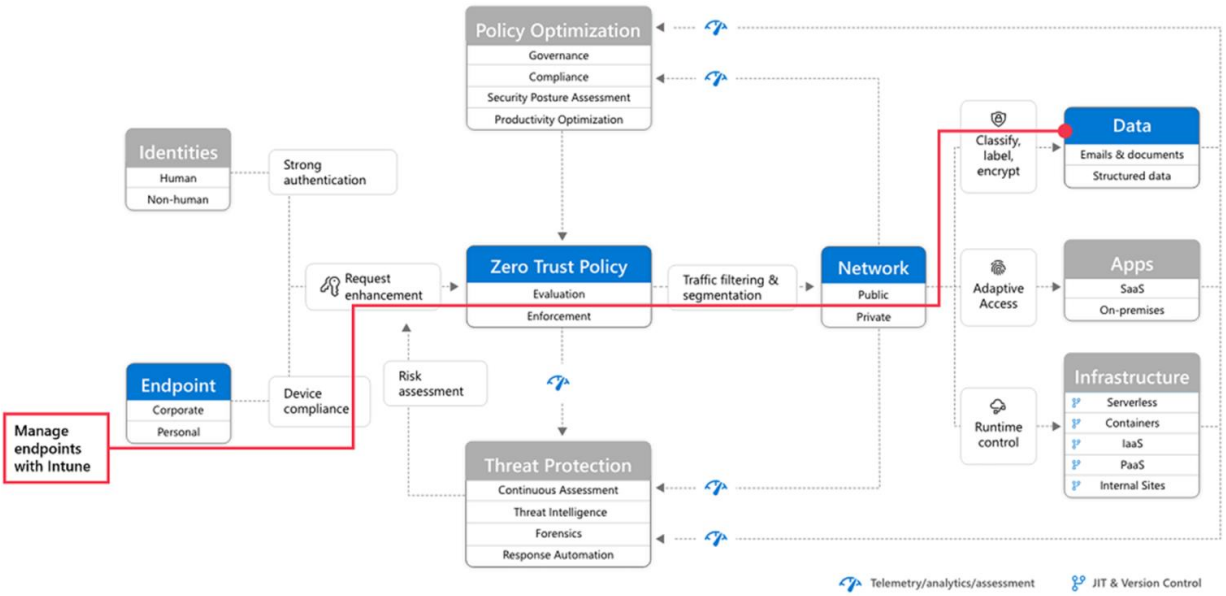
Step 1: Configuring Zero Trust Identity and Device Access Protection



The first step to be taken is to establish the foundation of Zero Trust by activating identity and device access protection.

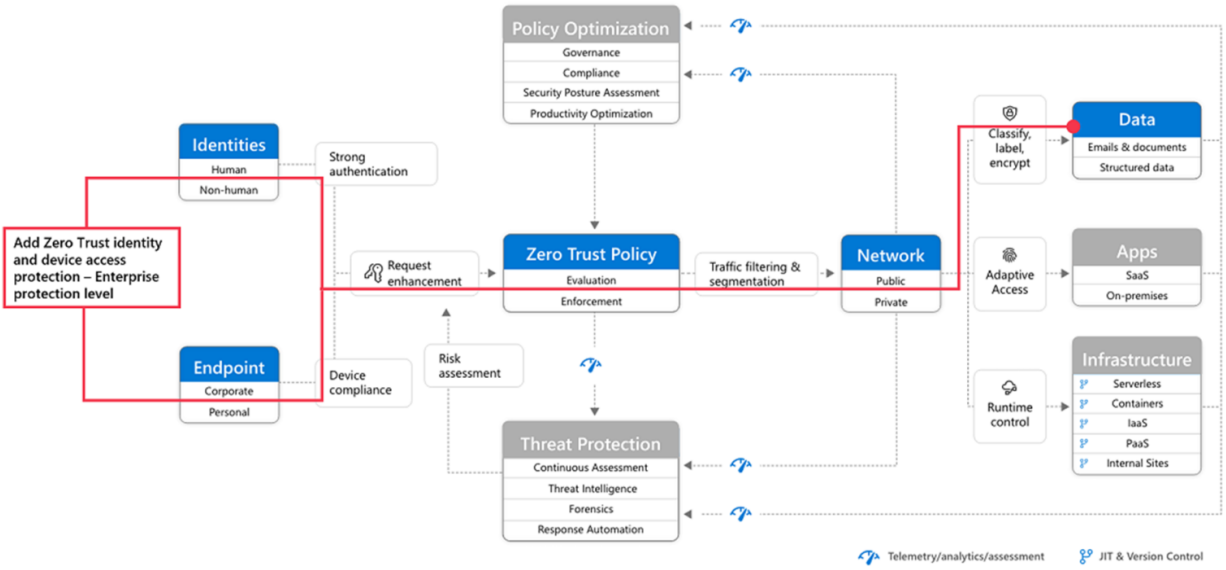


Step 2: Managing Endpoint Devices with Intune

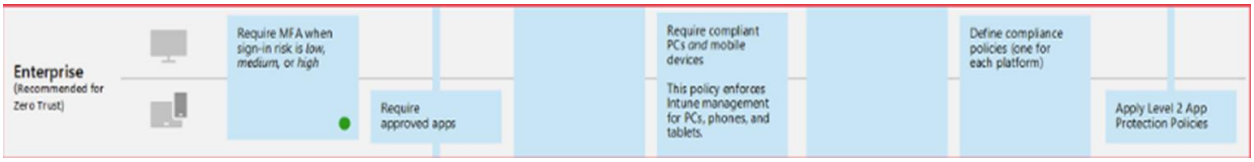


After enabling identity and device access protection, the next step is to start protecting our devices with more advanced controls by including them in the Endpoint Management structure.

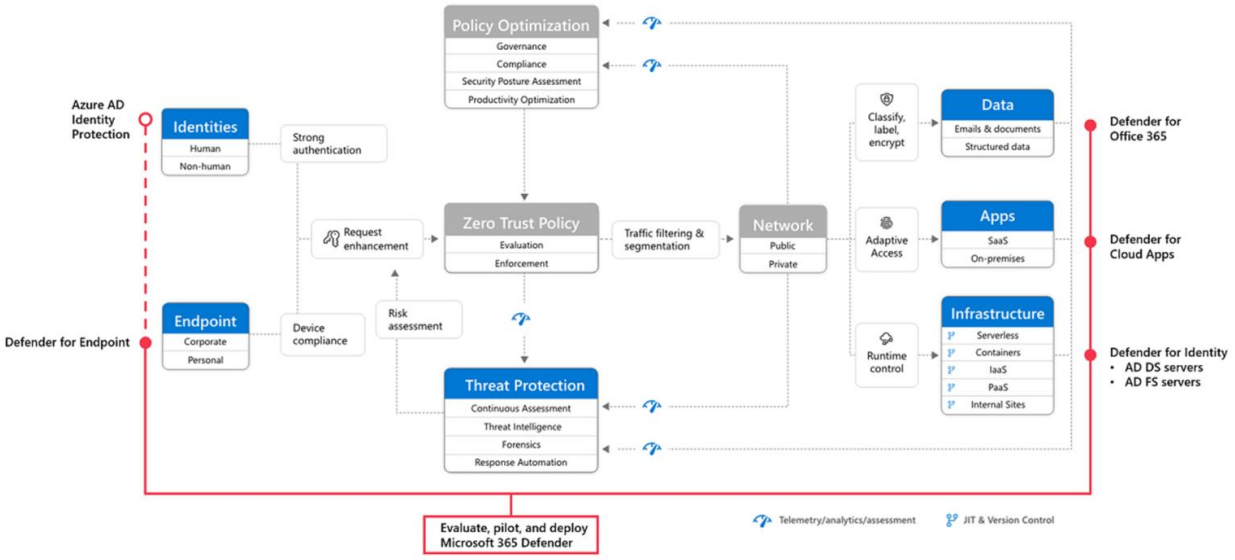
Step 3: Adding Zero Trust Identity and Device Access Protection Policies



When we are able to manage our devices with Endpoint Management, we can apply all identity and device access policies.

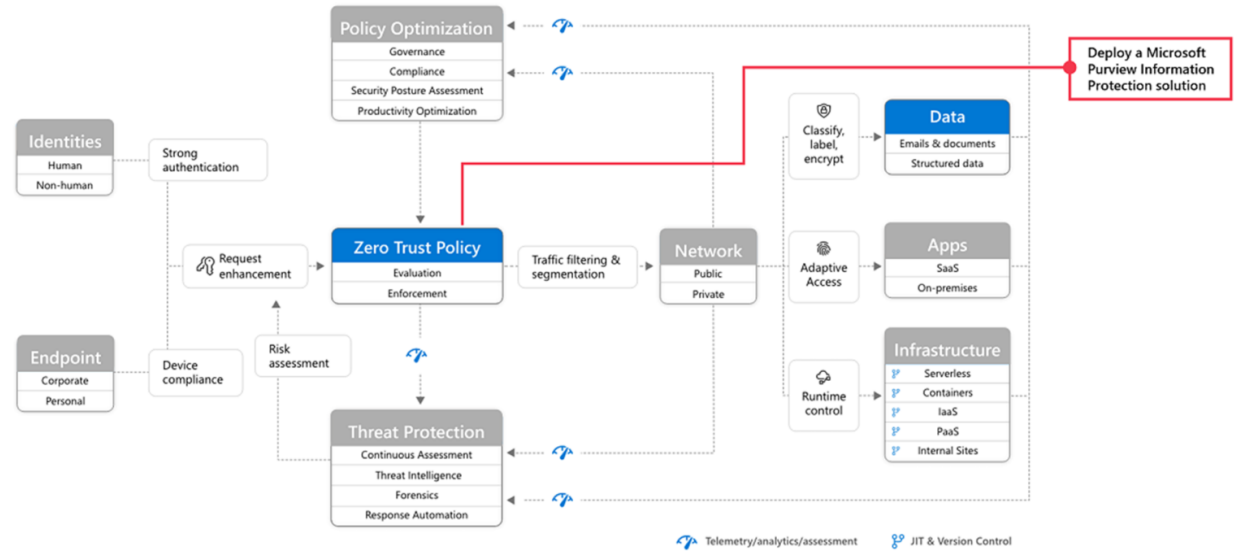


Step 4: Pilots and Deployment with Microsoft 365 Defender



Microsoft 365 Defender automatically collects, correlates and analyzes signal, threat and alert data in your Microsoft 365 environment, including endpoints, email, applications and identities. Within the framework of this approach, review, pilot applications and distribution stages can be carried out.

Step 5: Protection and Management of Sensitive Data



Finally, with Microsoft Purview, our sensitive information is protected no matter where it is located. It will allow you to recognize and protect your data and prevent data loss.

[You can access the M365 Zero Trust Detailed Distribution Plan by clicking the link.]