

Microsoft Palladium

+ Introduction

- "Palladium" is the code name for an evolutionary set of features for the Microsoft Windows operating system
- A set of hardware and software extensions to make the PC more trustworthy.
- ■This feature can give individuals and groups of users greater
 - Data security
 - Personal privacy
 - System integrity

Technology

Hardware Components

■ **Trusted space:** Trusted space is set up and maintained by the nexus and has access to various services provided by "Palladium," such as sealed storage.

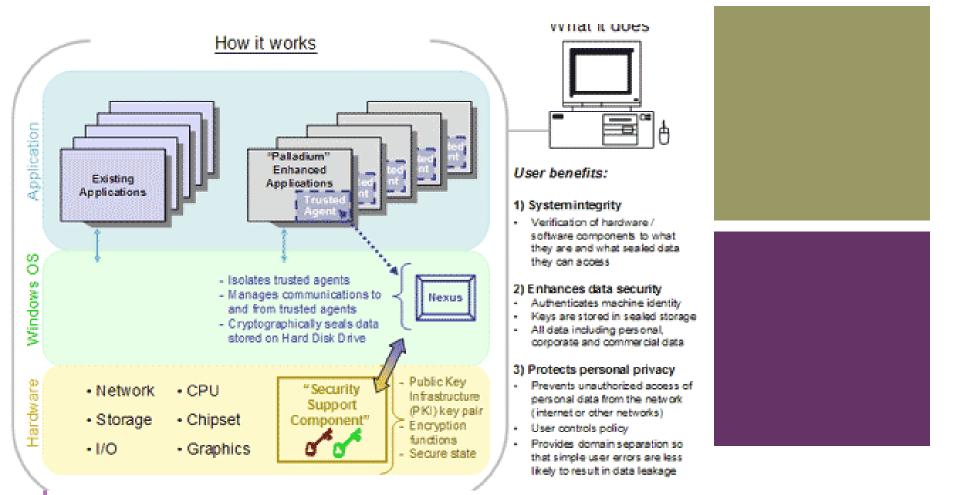
- Sealed storage: Sealed storage is an authenticated mechanism that allows a program to store secrets that cannot be retrieved by non trusted programs
- Attestation: Attestation is a mechanism that allows the user to reveal selected characteristics of the operating environment to external requestors.

Software Component

- Nexus (a technology formerly referred to as the "Trusted Operating Root (TOR)"
- **Trusted agents**

Together, the nexus and trusted agents provide the following features:

- Trusted data storage, encryption services for applications to ensure data integrity and protection.
- Authenticated boot, facilities to enable hardware and software to authenticate itself



How the system work



ADVANTAGES

DISADVANTAGES

- Information is Secure
- Open Source and Palladium
- No user Authentication

- Upgrades
- Legacy Programs
- Break Once Break Everywhere (BOBE)
- Attack Vectors





https://epic.org/privacy/consumer/microsoft/palladium.html

http://en.wikipedia.org/wiki/Next-Generation_Secure_Computing_Base

White paper on "Microsoft Palladium"