

ACTIVITY 50

INFORMATION ASSURANCE AND SECURITY 1 - IT 3

WHAT IS LEAST PRIVILEGE IN IT SECURITY?

The principle of least privilege (PoLP) refers to an information security concept in which a user is given the minimum levels of access – or permissions – needed to perform his/her job functions. It is widely considered to be a cybersecurity best practice and is a fundamental step in protecting privileged access to high-value data and assets. Least privilege extends beyond human access.

WHAT IS IMPLICIT DENY IN IT SECURITY?

Implicit Deny basically means that the default answer to whether a communication is allowed to transit the firewall is always No or Deny. Therefore, the majority of Access Rules tend to be Allow. A firewall will process a communication, inbound or outbound, based on the highest priority rule to the lowest. Once a rule is found with conditions that match, that rule is executed by the firewall.

WHAT IS THE DIFFERENCE OF IMPLICIT DENY AND LEAST PRIVILEGE?

Least privilege specifies that users should only be granted only the rights and permissions needed to perform their job, and no more while implicit deny can be found at the end of a firewall policy. An implicit deny dictates that security access must be explicitly granted, otherwise it is denied by default. Implicit deny should always be set. If users do not fit an explicit allow, all these specific users will be implicitly denied.

JULETTE ANTHONY PEQUE

**THANK
YOU!**

PROFESSOR: FULGENCIO D. DUCUT