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PROJECT

ENG

PRO

CYBER SECURITY FOR INDUSTRIAL CONTROL SYSTEMS

By Project **ENG PRO**



Intrusion Detection in Cybersecurity

An Intrusion Detection System (IDS) is a vital tool in cybersecurity. It detects unusual digital activity and raises alarms when necessary. Analysts then investigate and take actions, such as isolating compromised systems or blocking unauthorized access. In essence, an IDS plays a crucial role in safeguarding the digital realm.

Wrap Up

Host-Based IDS (HIDS), Network-Based IDS (NIDS)

IDS employ three methods for threat detection:

Signature-Based, Anomaly-Based, Hybrid Detection

Intrusion Protection Systems (IPS) are capable of blocking threats and can operate in monitoring or protection modes.

IDS scalability allows for deployment in larger networks and integration with Security Information and Event Management (SIEM) solutions for threat correlation.



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