

Classification-Based Intrusion Detection Techniques

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ABSTRACT

Every everyone on the planet has access to the internet. The Internet is essentially a massive network of devices all around the world that stores vital data for every person and nation. An attacker, however, has the ability to attack or intrude on this network. As the world moves toward smart system adoption in every conceivable item, including cities, security and privacy are critical considerations. This is where Intrusion Detection Systems (IDS) come into play. Intrusion detection systems detect an intrusion or assault and notify the administrator or handler of the incident. However, not all Intrusion Detection approaches are effective. An Intrusion Detection approach may be effective against one type of attack but ineffective against another.

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