# **Network Intrusion Detection System**

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**Introduction:**

In an era, where our lives are increasingly intertwined with technology, the prevalence of network cyber attacks has become a ubiquitous concern. From individuals to multinational corporations and governments, no entity is immune to the threat of cybercrime. These attacks manifest in various forms, from data breaches to ransomware extortion, leaving a trail of financial, reputational, and societal damage in their wake. Today, we'll explore the multifaceted challenges posed by network cyber attacks and examine how individuals and organizations worldwide are confronting these threats with resilience, innovation, and collaboration.