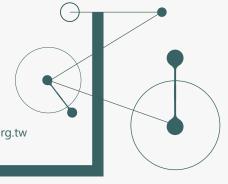
AIOPs and ML-IDS in TWAREN Backbone





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TaiWan Advanced Research and Education Network(TWAREN) is at the forefront of academic research networking, marked by state-of-the-art technology. TWAREN's foundation includes a robust network management system and a Network Operations Center (NOC), bolstered by Netflow data collection and an effective Intrusion Detection System (IDS).

Recent innovations in machine learning, AIOps, and ML-IDS have taken TWAREN to new heights:

- 1. Intelligent Network Management: TWAREN's AlOps system analyzes abnormal alerts, conducts impact analysis, and offers root cause analysis and predictive fault identification.
- 2. Backbone Network Threat Detection: Machine learning identifies network threats in real-time, adapting to emerging attack patterns. TWAREN's commitment to innovation ensures that academic research thrives in a connected and secure environment.

