Flow-based anomaly intrusion detection using machine learning model with software defined networking for OpenFlow network

N. Satheesh [a] ✉, M.V. Rathnamma [b] ✉, G. Rajeshkumar [c] ✉, P. Vidya Sagar [d] ✉, Pankaj Dadheech [e] ✉, S.R. Dogiwal [f] ✉, Priya Velayutham [g] ✉, Sudhakar Sengan [h] ᯤ ✉

Show more ⌄

:≡ Outline | ∝ Share   💬 Cite

Get rights and content

Highlights

- Priority-based model using SDN to control the flow of data packets over the network.

- Detection of normal and abnormal traffic data transmission to identify the anomaly intruder.

- The utilization of bandwidth for priority-based applications with minimal cost.

- ML-based RF model was considered to detect network interference within SDN.

- QoS forward approach is to employ global for end-to-end overlay link among hosts.

FEEDBACK 💬