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Changes in Observed Internet Background Radiation Traffic in the 155/8 netblock

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This research investigates changes in Internet Background Radiation (IBR) by analysing data captured from network telescopes. Network telescopes provide a unique insight into unsolicited network traffic and can be indicative of widespread malicious activity. The primary focus of the study is on a comparative analysis between network data from 2017 and 2023, captured from the same IP netblock. The methodology is grounded in descriptive statistical analysis. Among our findings were changes in protocol distribution, with an increase in TCP traffic, a decrease in UDP traffic, and a substantial increase in ICMP traffic, primarily from Russia, while observing a notable decrease in the Russian overall attributed traffic. A sharp decrease in specific destination port targeting for both TCP and UDP traffic suggests broader scanning activity than before.

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