

# Issues Analysis

## Modbus

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### Replay

#### ▼ Retransmission Flag

**TCP Protocol Retransmissions:** A spurious retransmission happens when Wireshark detects a packet being re-sent by a system, but the original packet was likely received successfully by the destination. This can occur due to delays in acknowledgment (ACK) messages or network congestion.

#### **Why Wireshark Flags It:**

Wireshark flags packets as "**suspected retransmission**" when the sequence number of the packet matches that of a previously seen packet, and the acknowledgment for the first packet hasn't arrived within a certain window of time. This is normal TCP behavior, and Wireshark is helping you diagnose potential network performance or reliability issues.

#### ▼ Tried Approach

attack from a different IP which seems master to the slave

### DOS

⇒ Attack the slave device from different IPs to exhaust it's resources