

# Live report from network & security operations

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### IT teams are facing never ending challenges



Root-cause analysis

Troubleshooting

Performance issues

Bandwidth utilization

Infected devices

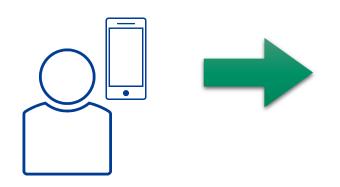
Security breaches

Mean time to repair



### Repetitive pattern in IT operations

User complains about application {slowness, unavailability, etc.}



Network?



Device or server?



User?



Where is the problem?





We have received a **network**interface utilization alert.
We need to find the root cause
as it can slow down our network
and impact users.

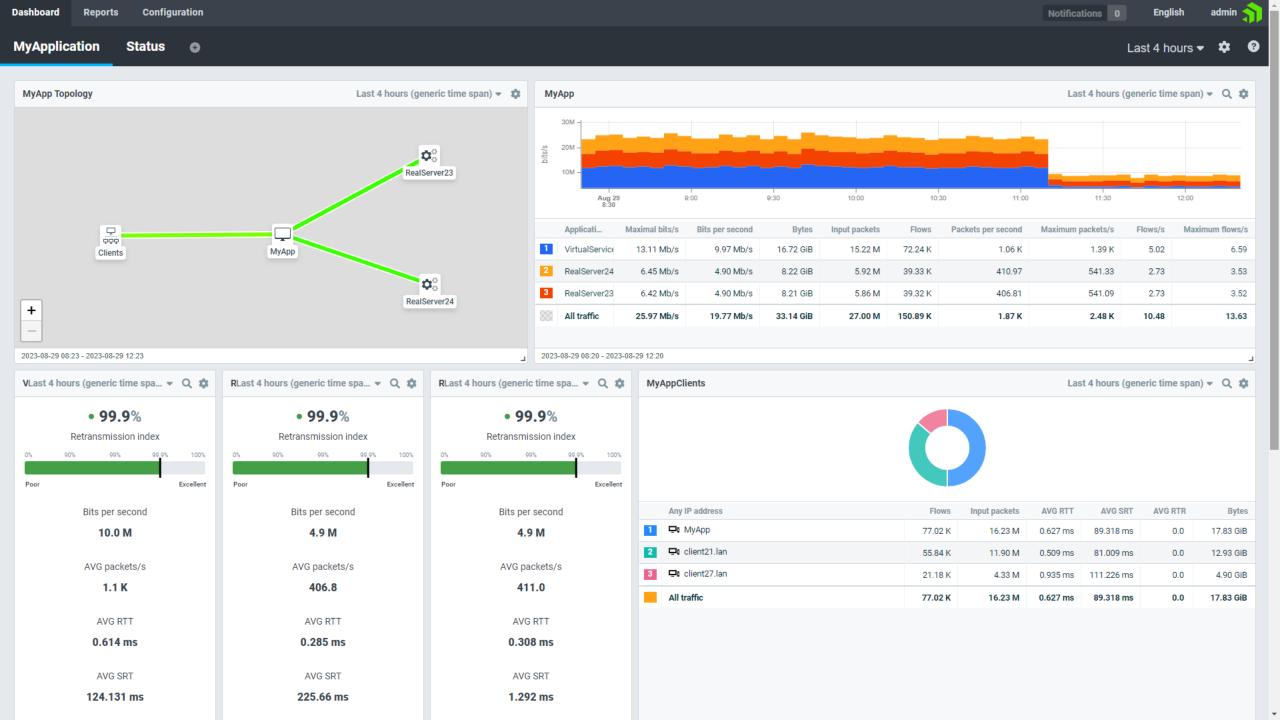






After an order processing system upgrade, we are experiencing performance degradation. It impacts majority of users; it has attention of management, and the supplier blames our network.







We experienced an issue with our UPS that should not have occurred, yet no email notification was sent by the UPS before the outage. It had been functioning properly in the past. What happened?





- → SMTP: Server is ready
- A SMTP: No authentication detected
- Ø TLS: Handshake detected
  - TLS: Fatal alert error



The peers failed to negotiate a shared key material. Try connecting with different cipher suites one-by-one and check if any of them helps. If neither does, try to use a different protocol version.

Description Fatal alert - 'bad\_record\_mac - Received a record with an incorrect MAC (Message

Authentication Code).' (error code 20).

Protocol TLS
Severity error •

Flow TCP@81.95.97.100:25-192.168.0.253:1357

TCP flow errors No errors detected

Frame time 02.03.2018 19:40:34

Frame number 16
IP version 4

IP source 81.95.97.100 IP destination 192.168.0.253

IP proto 6
TCP source port 25
TCP destination port 1357
tls.alert\_message.desc 20

Decoded error bad\_record\_mac - Received a record with an incorrect MAC (Message Authentication

Code).

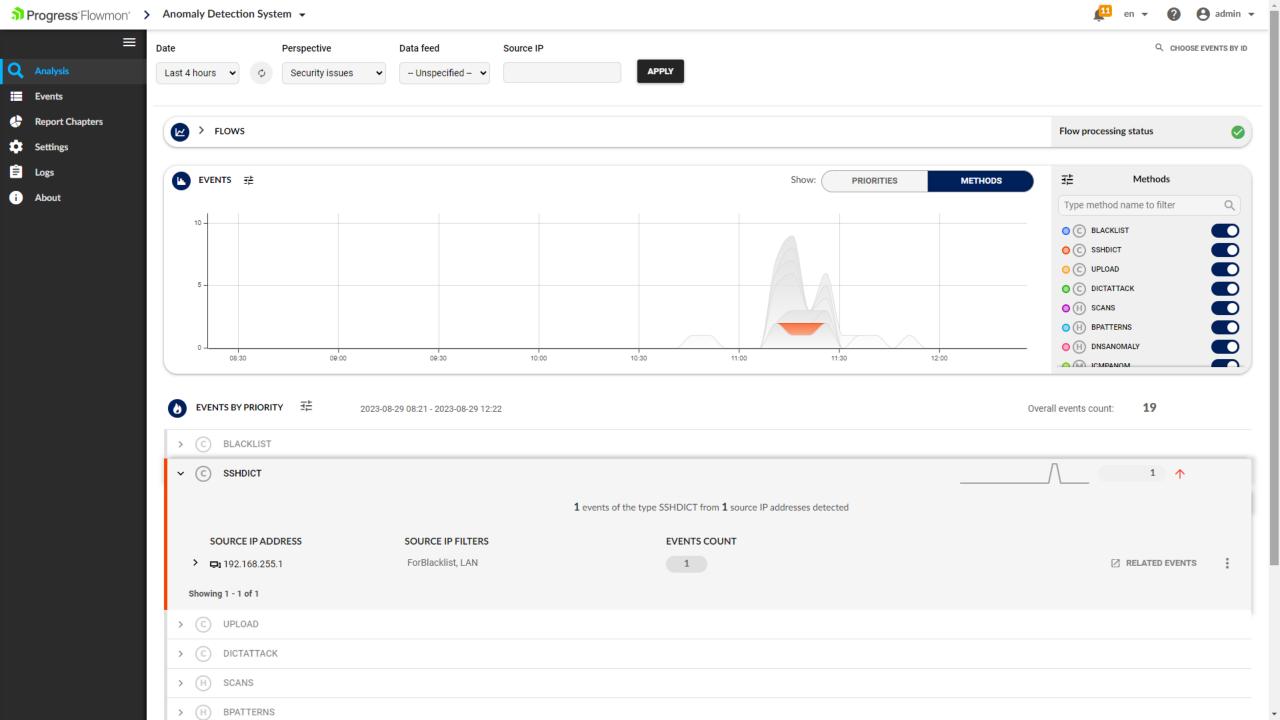
X





A threat actor contacted us, demanding ransom. We have one week to decide whether to pay, or they will disclose **sensitive data stolen** from our company HQ to the internet.





## Flowmon Network Detection & Observability Platform

Progress® Flowmon® is a network and security monitoring platform with Al-based detection of cyber threats and anomalies, and fast access to actionable insights into network and application performance.

#### What makes Flowmon stand out

The solution supports cloud, on-prem and hybrid environments suitable for company-wide coverage, market's fastest deployment time and has been recognised by Gartner since 2010.

## Security Operations



Early Detection & Warning

**Threat Hunting** 

Incident Response

**Breach Recovery** 

#### **Network Operations**



**End-User Experience Monitoring** 

Troubleshooting & Forensics

Forecasting & Capacity Planning

Cloud/SaaS Performance



## Think Scale

