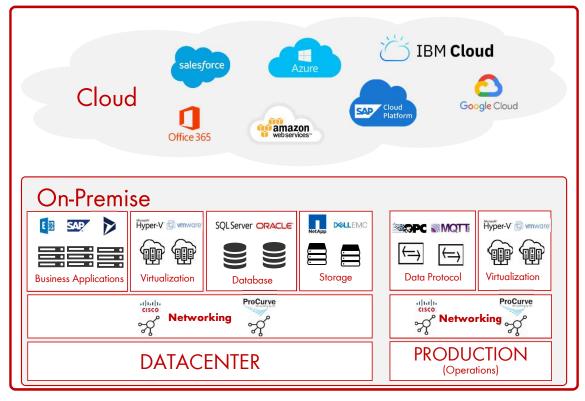




# IT becomes crucial for the business







**USER** 

**BUSINESS** 

**IT OPERATIONS** 





IT Infrastructure events must be addressed at ever-increasing velocity

IT environments **exceeding** human scale

Cyber Security challenges: ransomware, phishing attacks, malware attacks, supply chain

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ITOpSOC

The amount of IT metrics that ITOps needs to check is increasing exponentially

Developers gain **more influence on ITOps** (DevOps) but the accountability still rests with the core IT

The amount of events and alerts

the SOC needs to keep monitored is increasing





# IT Operations Analytics Security Operations Analytics

Method that allows to **gather various types of data** from an IT infrastructure and analyzes them to **recognize** patterns and behaviors.



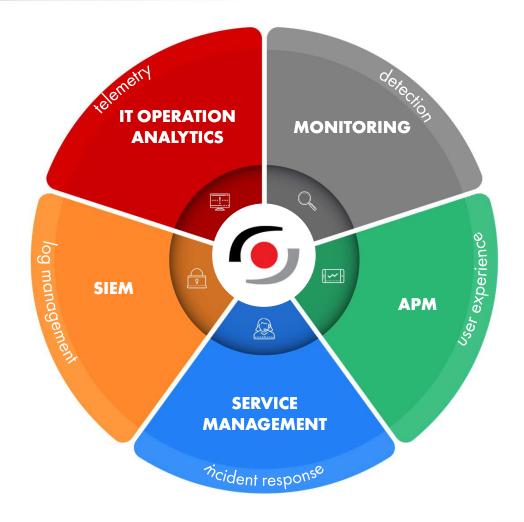




**NetEye** provides modules with the purpose of **gathering**, **processing**, **and analyzing** the full spectrum of IT operational data and **to guide decisions**, understand resource utilization and **predict** potential issues











# Monitoring

Check events to achieve overall health across your IT

#### **Detection**

- Uptime
- End to End
- Correlation
- Visual Synthetic Robot
- Server; Storage
- Network

#### **ITOA**

Observe metrics to identify potential resource saturation

#### **Telemetry**

- Performance
- Scalability
- Cost Management
- Trend Analysis
- Forecast
- Anomaly Detection

#### **APM**

Use trace data to get full application insights

#### Insights

- Identify bottlenecks
- Response time
- Incoming requests
- Queries Errors
- External http(s) request
- Real User Experience

# SIEM LOG

Collect overall log(s) to get full visibility of your IT

#### Visibility

- Event correlation
- Threat Detection
- Anomalies
- Behavior driven alarms

# Service Management

Be smart based on monitoring data to be pro active and automate remediation

#### Continuous Improvement

- SLA
- Incident management
- Monitoring data to learn
- Pro Active
- Postmortem report

**NetEye Unified Integrated Approach** 







# NetEye



# Reliability

- ✓ RHEL8
- ✓ High Availability
- ✓ High Availability cross datacenter

# **Scalability**

- ✓ Distributed
- ✓ Scale out physical node
- ✓ Scale out virtual node

## **Usability**

- ✓ UX
- ✓ Carbon Design
- ✓ User Guide

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### **Security**

- ✓ OWASP Application Security OSS
- ✓ DevSecOps CI/CD Burp Suite Enterprise
- ✓ Supply Chain signing RPM

## **Deployment**

- ✓ On Prem
- ✓ Cloud laaS
- ✓ Cloud SaaS
- ✓ Multi Tenancy

#### **Automation**

- ✓ NetEye Extension Pack
- ✓ Release Upgrade
- ✓ Ansible

IMPROVEMENT





### RedHat Enterprise Linux 9

- ✓ Upgrade latest language runtime
- ✓ Monitor Maintain Environment
- ✓ Identity and Security

### Icinga 2.13 - IcingaDB

- ✓ Performance
- ✓ Multi-Tenancy
- ✓ New UX

#### **Elastic 8 - ElastiFlow**

- ✓ Endpoint Security
- ✓ Central Elastic Agent with Fleet
- ✓ Better EBP Proxy integration

### Influx 2 - Influx IOX - Nats

- ✓ Scalability distributed
- ✓ Tasks Checks
- ✓ No cardinality limitations



#### Grafana 9

- ✓ New Dashboards
- ✓ Alerts
- ✓ Smother integration

#### **GLPI 10**

- ✓ New UX
- ✓ GLPI Agent
- ✓ Smother Integration

#### **NTOPNG 5**

- ✓ Network Visibility
- ✓ Network based Cyber Defense
- ✓ Clickhouse for alerts and historical flows

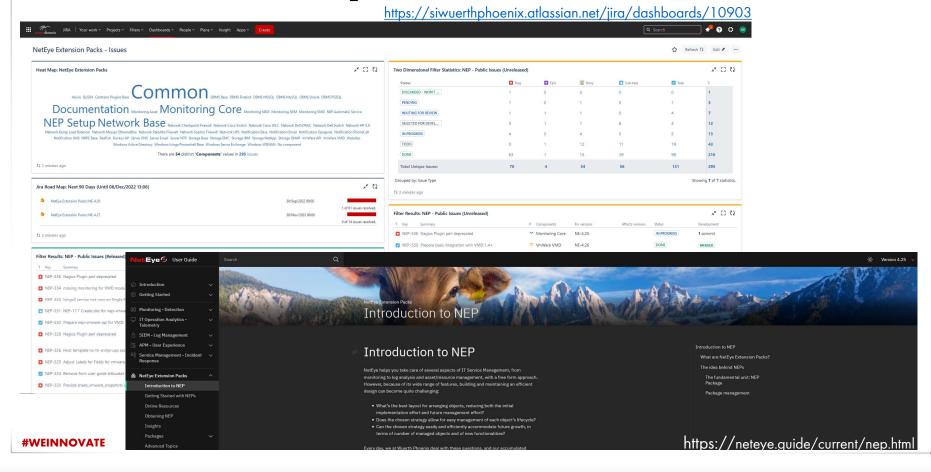
### Alyvix 3

- ✓ Central Configuration Management
- ✓ Reports
- ✓ Dashboards





# **NetEye Extensions Pack**

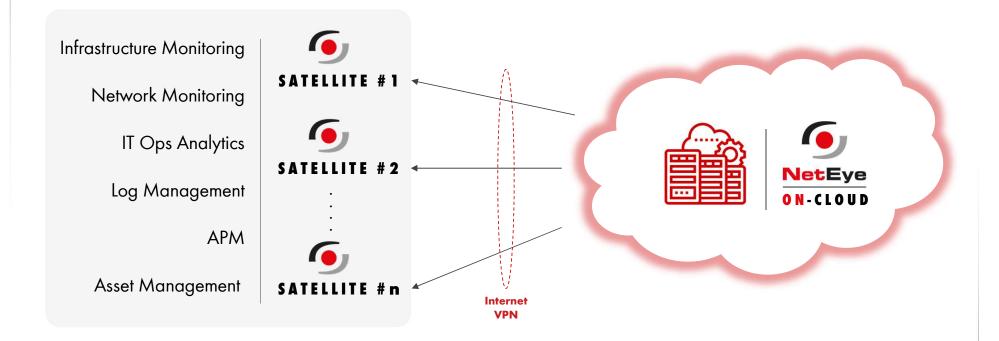






# **CUSTOMER**









# **Cyber Security**

# OSINT

Discover the attack surface and keep it monitored over time.

#### Exposure assessment

- Monitor the exposed attack surface
- Cyber Threat Intelligence Dark Web
- Collect Indicator of compromise

# SIEM - LOG

Collect overall log(s) to get full visibility of your IT

#### Visibility

- Event correlation
- Threat Detection
- Anomalies
- Behavior driven alarms









### LOGS

### FLOWS - EDR

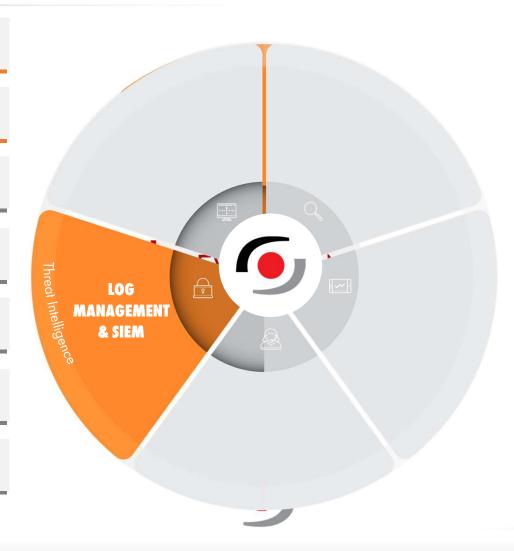


exposed buckets

subdomains takeover

loC

**#WEINNOVATE** 



loPC

ransomware gangs sites

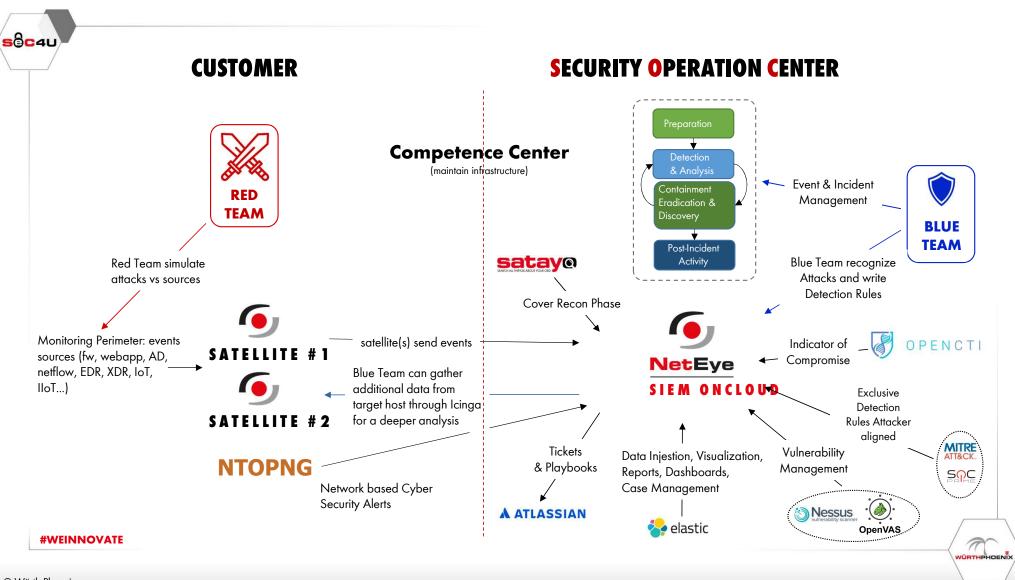


BLUE PEALORIK forums

> Telegram groups & channels

> > data breaches









# **Conclusions**



Don't build a black box, make the tool interactive

Start with less factors and gradually increase the complexity

Data-driven mindset is as important as data

Feature engineering is as important as model training

Data quality

Prediction is important, so is the explanation

# Data is gold

Differentiate real-time and non-real-time analytics

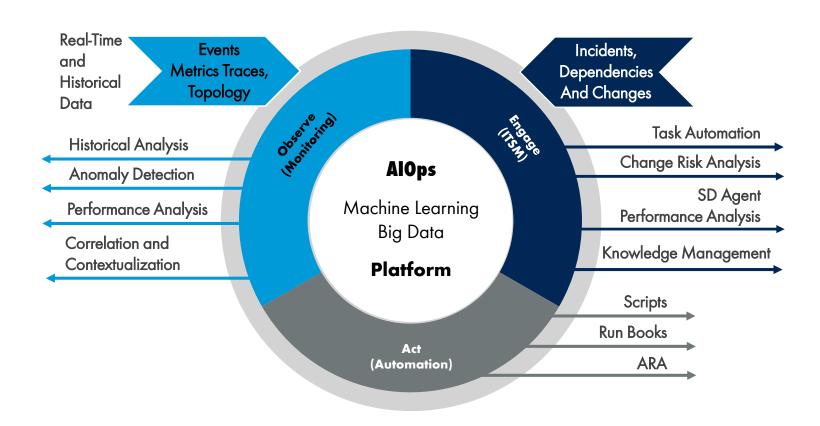
Human experience still matters to look at the right metrics

Human experience needs to be codified





# AIOps Platform Enabling Continuous Insights Across IT Operations Monitoring (ITOM)



**Recommended by Gartner** 















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