IBM Security

Automate Your SOC with AI

Lisa Unkelhäußer
Security Channel Leader

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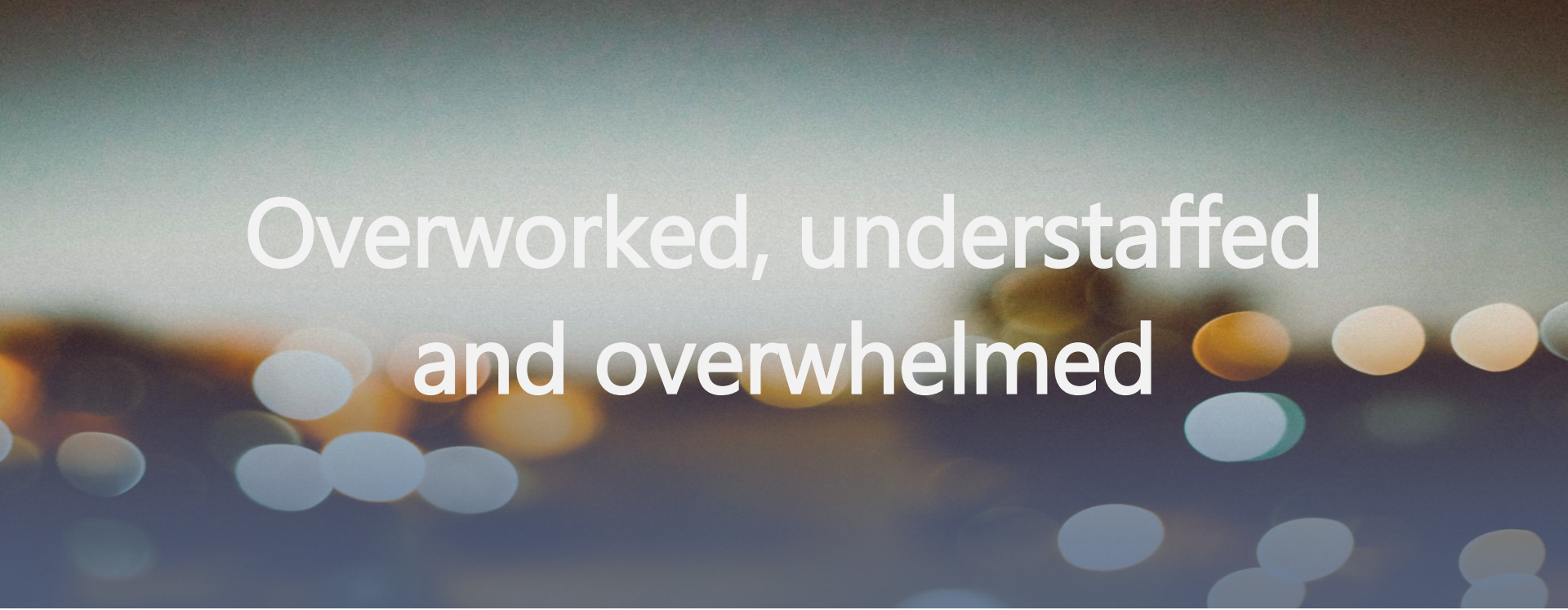


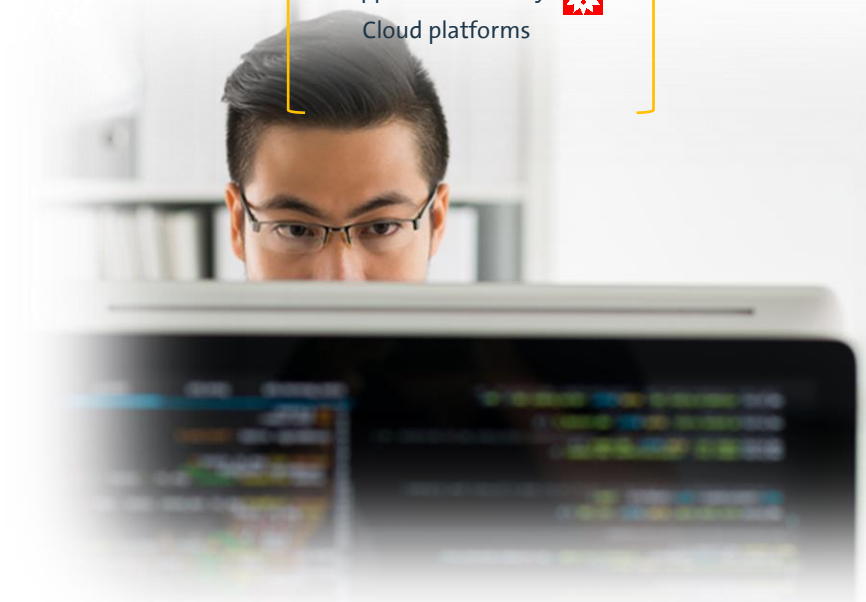
Overworked, understaffed and overwhelmed

According to ESG research, 51 percent of organizations report having a "problematic shortage" of cybersecurity skills in 2018. This is up from 45 percent in 2017.

Investigating an incident without AI

- Endpoints
- Network activity
- Data activity
- Users and identities
- Threat intelligence
- Configuration information
- Vulnerabilities and threats
- Application activity
- Cloud platforms

Gain local context leading to the incident → **Gather the threat research, develop expertise** → **Apply the intelligence and investigate the incident** → **Escalate for remediation**



Time consuming and inconsistent threat analysis

There's got to be a better way!

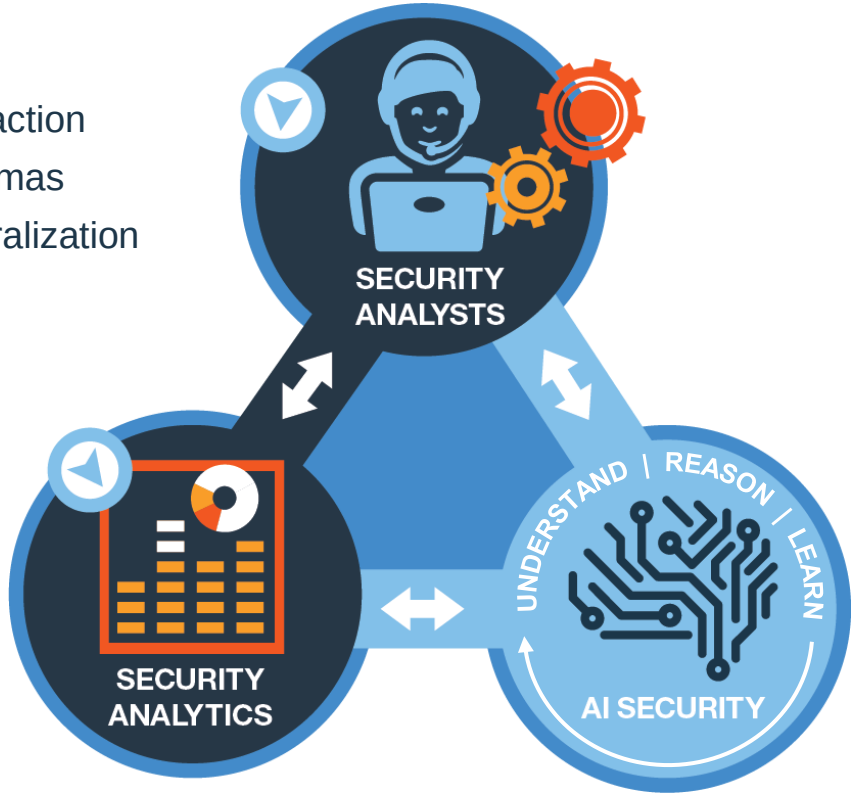
Unlock a new partnership between analysts and their technology

Human Expertise

- Common sense
- Morals
- Compassion
- Abstraction
- Dilemmas
- Generalization

Security Analytics

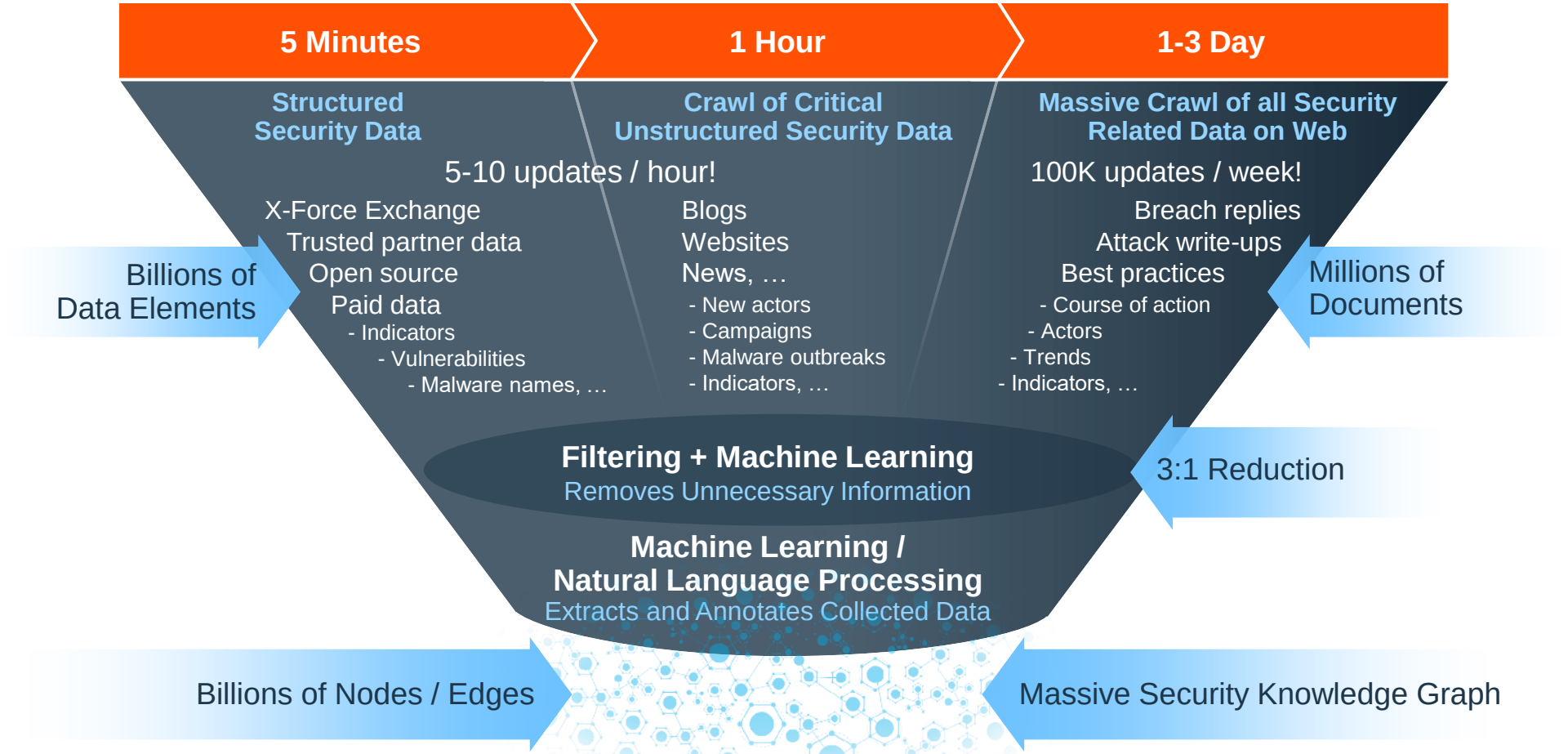
- Data correlation
- Pattern identification
- Anomaly detection
- Prioritization
- Data visualization
- Workflow



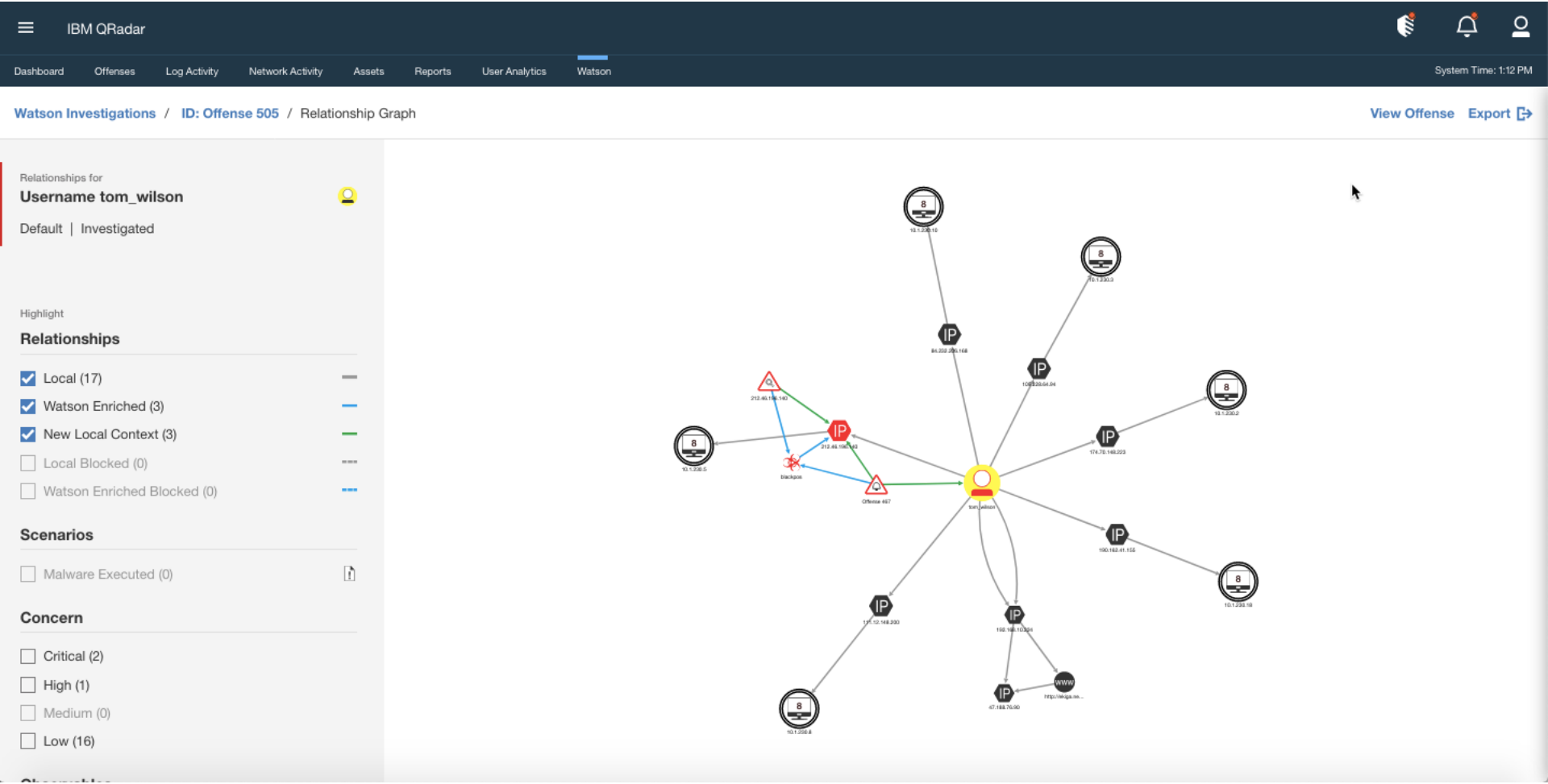
Artificial Intelligence

- Cognitive capabilities
- Unstructured analysis
- Natural language
- Machine learning
- Bias elimination
- Tradeoff analytics

How it works – Building the knowledge (internal and external)



Attach the knowledge into your SIEM

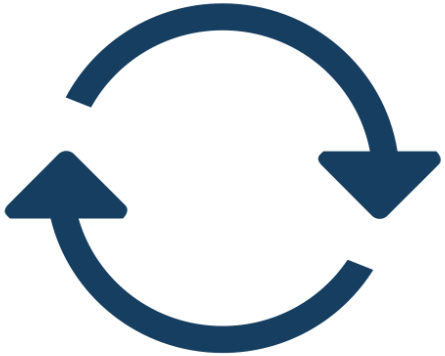


Using analyst feedback to drive better decisions

Learning

Tier 2 Analysts

In-depth investigations; incident response



Tier 1 Analysts

First line triage; gather info and escalate to Tier 2

Applying

Offense #152

Advisor Recommendation:
De-prioritize this investigation.

Offense #152 is similar to Offense #29, #53 and #112, all of which you marked as false positive in the past.

Offense #221

Advisor Recommendation:
Escalate this investigation.

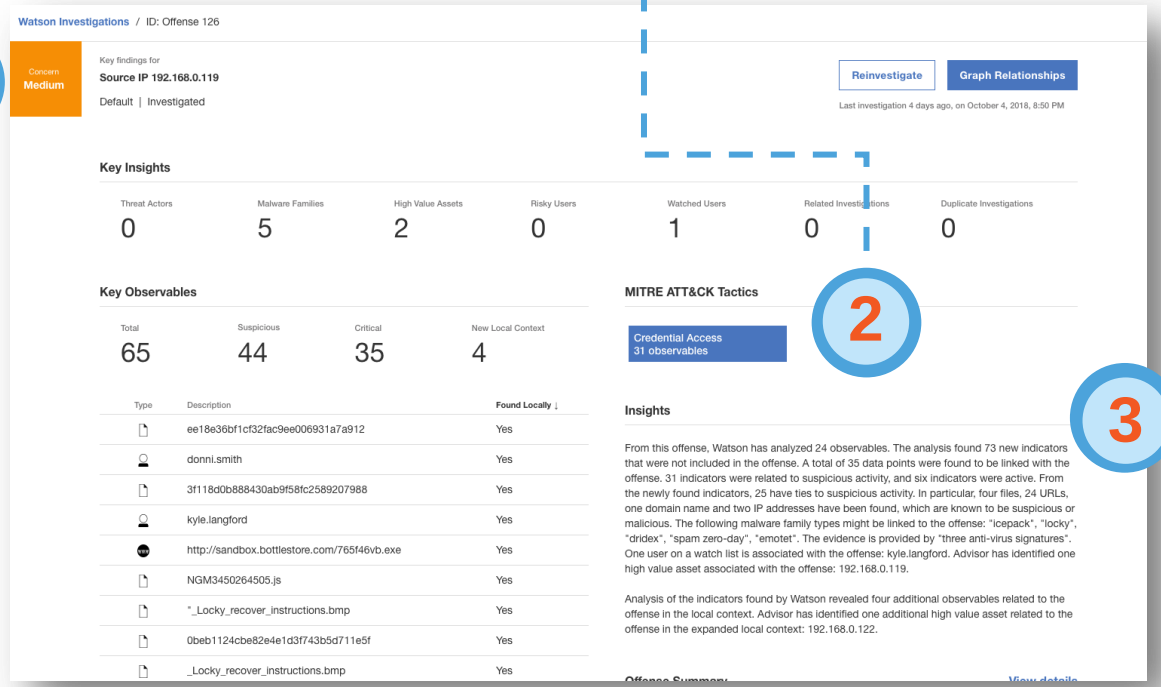
Offense #221 is similar to Offense #42 and #68, both of which you escalated in the past.

And finally aligning incidents to the ATT&CK chain

Confidence level for each progression validates the threat

Visualize how the attack has occurred and is progressing

Uncover what tactics can still possibly occur



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