

ORACLE

A futureproof Blueprint for 5G core networks- AI Driven Autonomous Core

Enabling High Impact Business Outcomes

Name

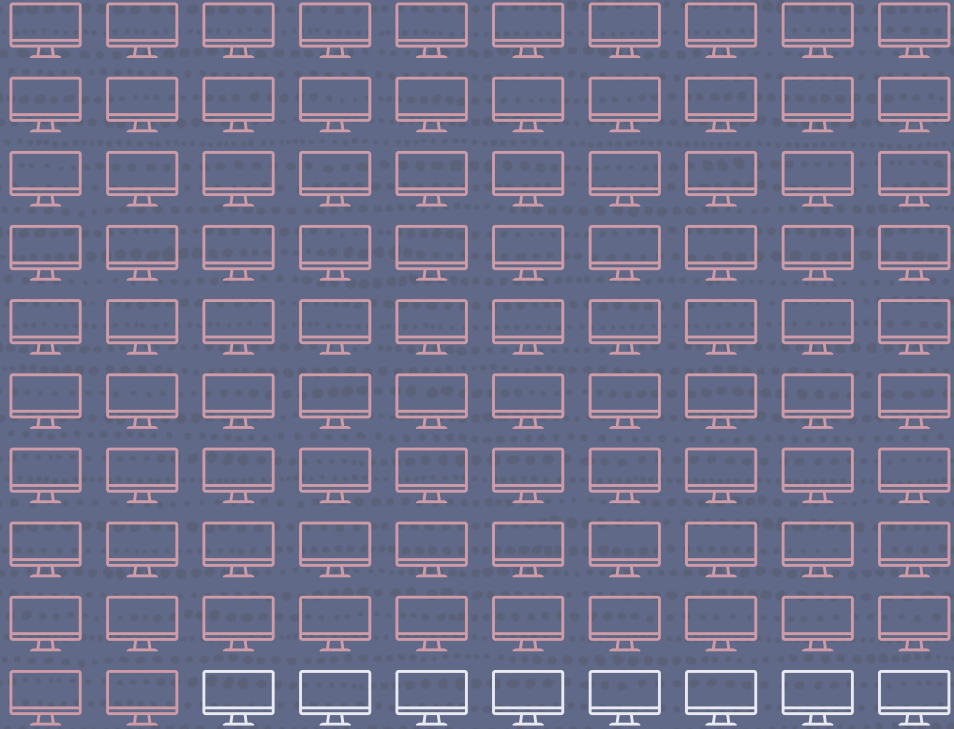
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Oracle Communications

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5G core automation will play a critical role in telco transformation






92%* of operators agree that 5G core automation is integral to any successful automation strategy.

*OMDIA/Oracle Automation survey 2021

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Business impacts

- 
Operations Savings
- 
Revenue Increase
- 
Experience Improvement

Adding more value to network quality, security, planning optimization and CX in an increasingly predictive way



The 5G Core - Modest investment, Programmatic interface and Service enabler



In a GSMA survey of operator CEOs, the vast majority (83%, to be precise) identified enterprise and government sectors as the biggest potential for revenue growth from 5G.

How much revenue growth will see when?



CEO

What new 5G services will best drive revenue?



CMO

Will 5G grow revenue in enterprise and consumer?



CFO

Is my network and organization ready?



CTO



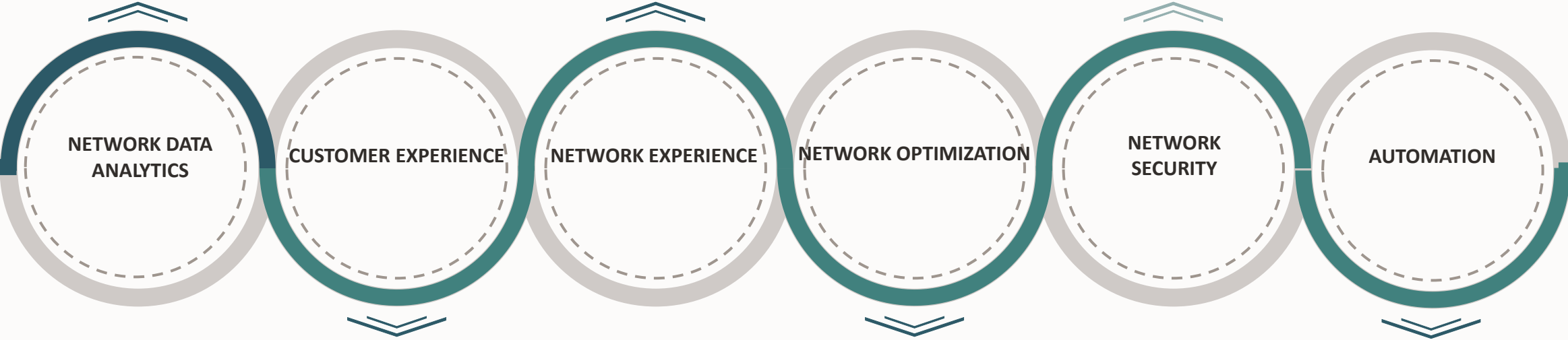
How can Analytics & AI address CSPs requirements as the evolve towards 5G

Slice Load | Service Experience | NF Load | Network Performance | UE Mobility | UE Abnormal | User Data Congestion | QoS | Session Mgmt Congestion | WLAN Performance | Dispersion | DN Performance

Network Health & Performance | Metrics for NF | Error Rate | Response Latency | Response Timeout

Event correlation, suppression and deduplication | Incident/ Security breach analysis/prediction | Anomaly Detection/Prediction | Authentication Traffic Spikes Analysis/Prediction | Lateral Movement Reconnaissance

How can I prevent attacks by identifying potential threats?



How healthy is my Network?

How is Customer perceiving the service?

How can I improve my Network?

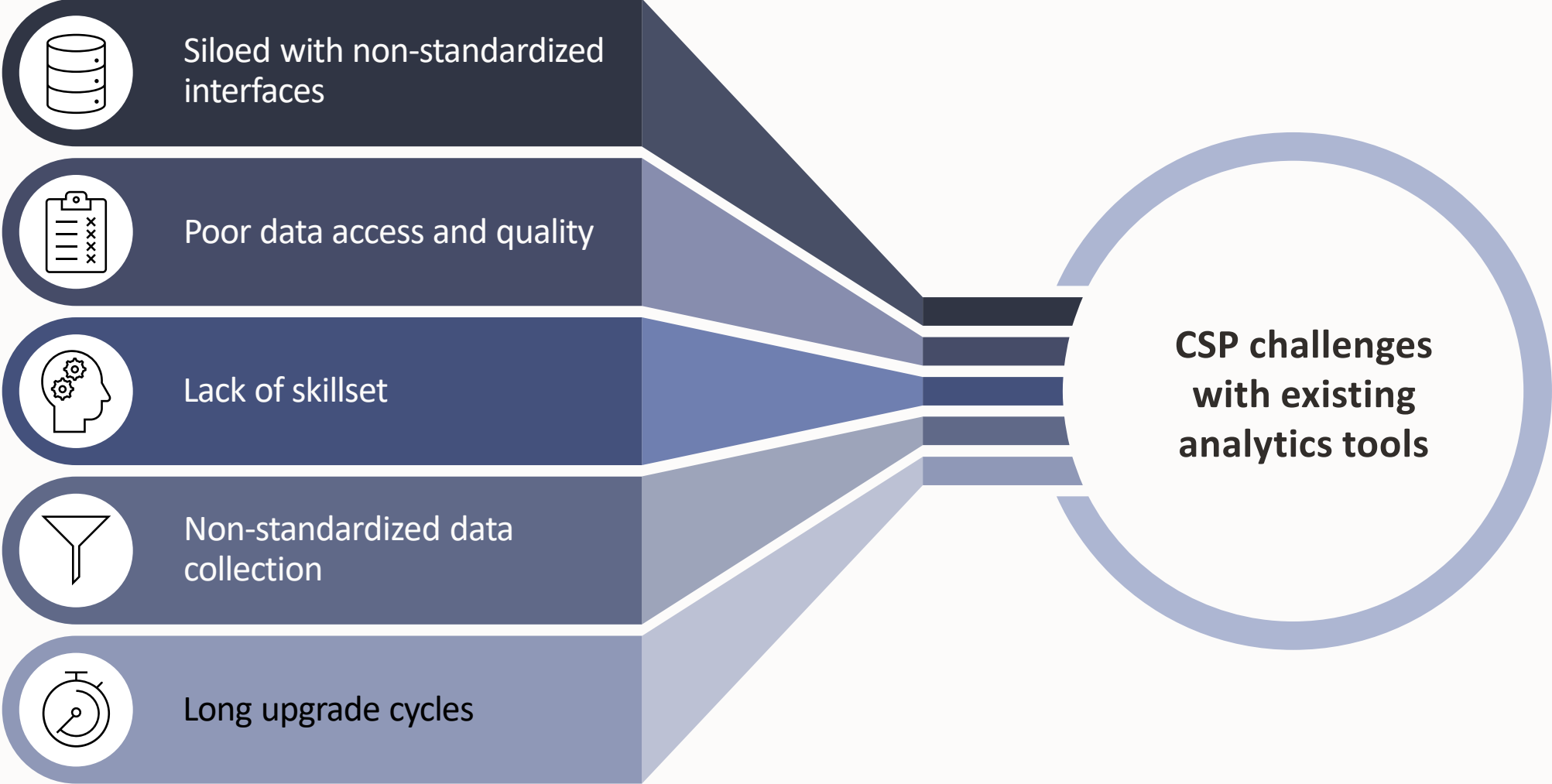
Self-learn, Self-diagnosing and Self-heal autonomous network

E2E Network Experience | Churn Risk Prediction | Customer Sentiment Analysis | Proactive Care | Location Based Services | NPS | IP Throughput | Latency | Accessibility | Congestion | Regulatory Compliance | Intuitive Dashboards for Various Personas in Business/Ops

Slice Coverage | Radio Coverage Issues | Paging Optimization | Handover Optimization | Load Balancing Optimization



Challenges associated with implementing analytics



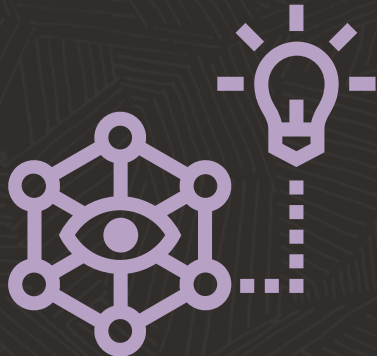
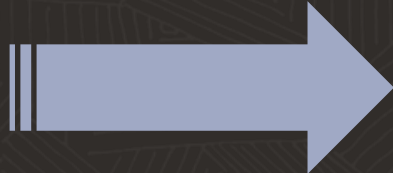
Source: Analysys Mason



Going from rules-based analytics to insights driven analytics frameworks



Rules based analytics
mainly driven by
humans



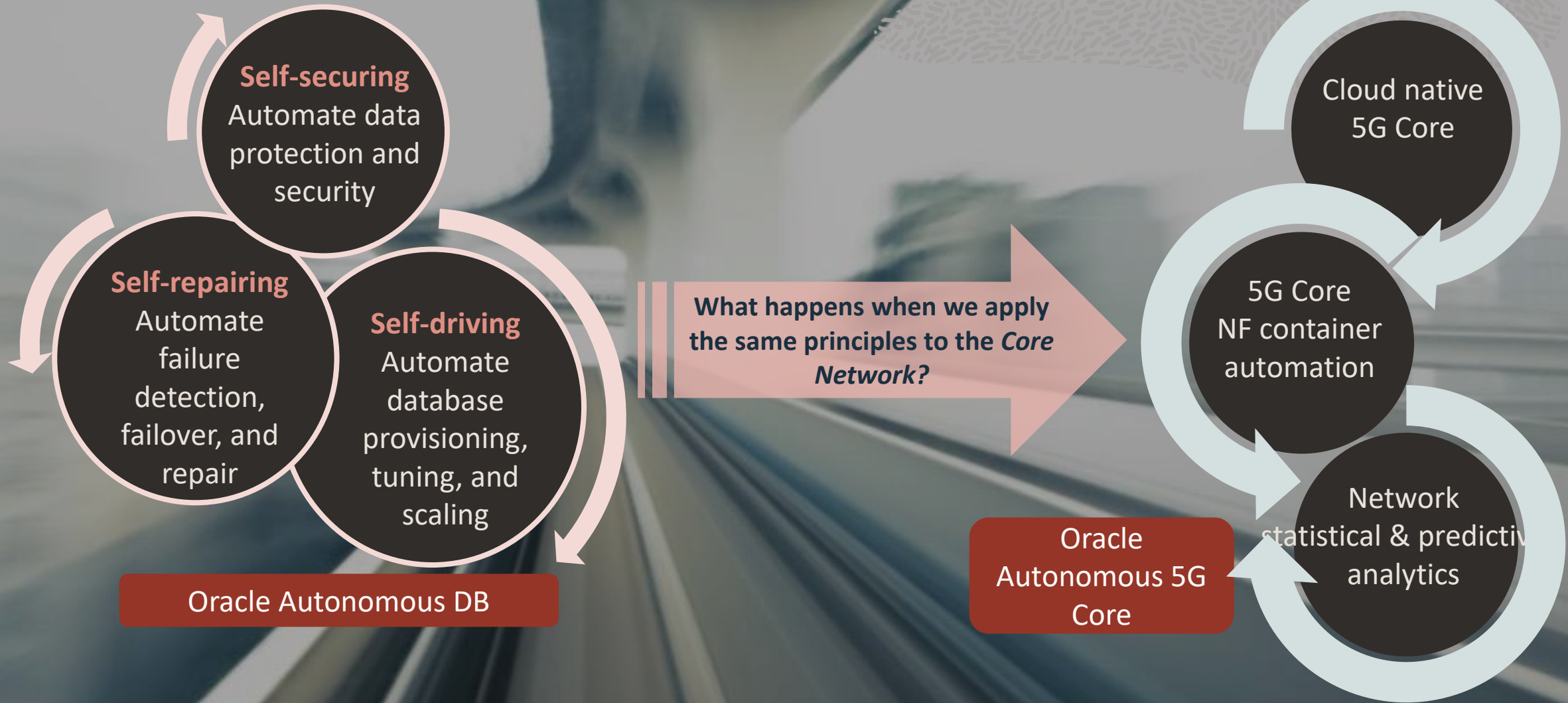
Insights driven
analytics
supported by
machines



Analytics
&
Automation

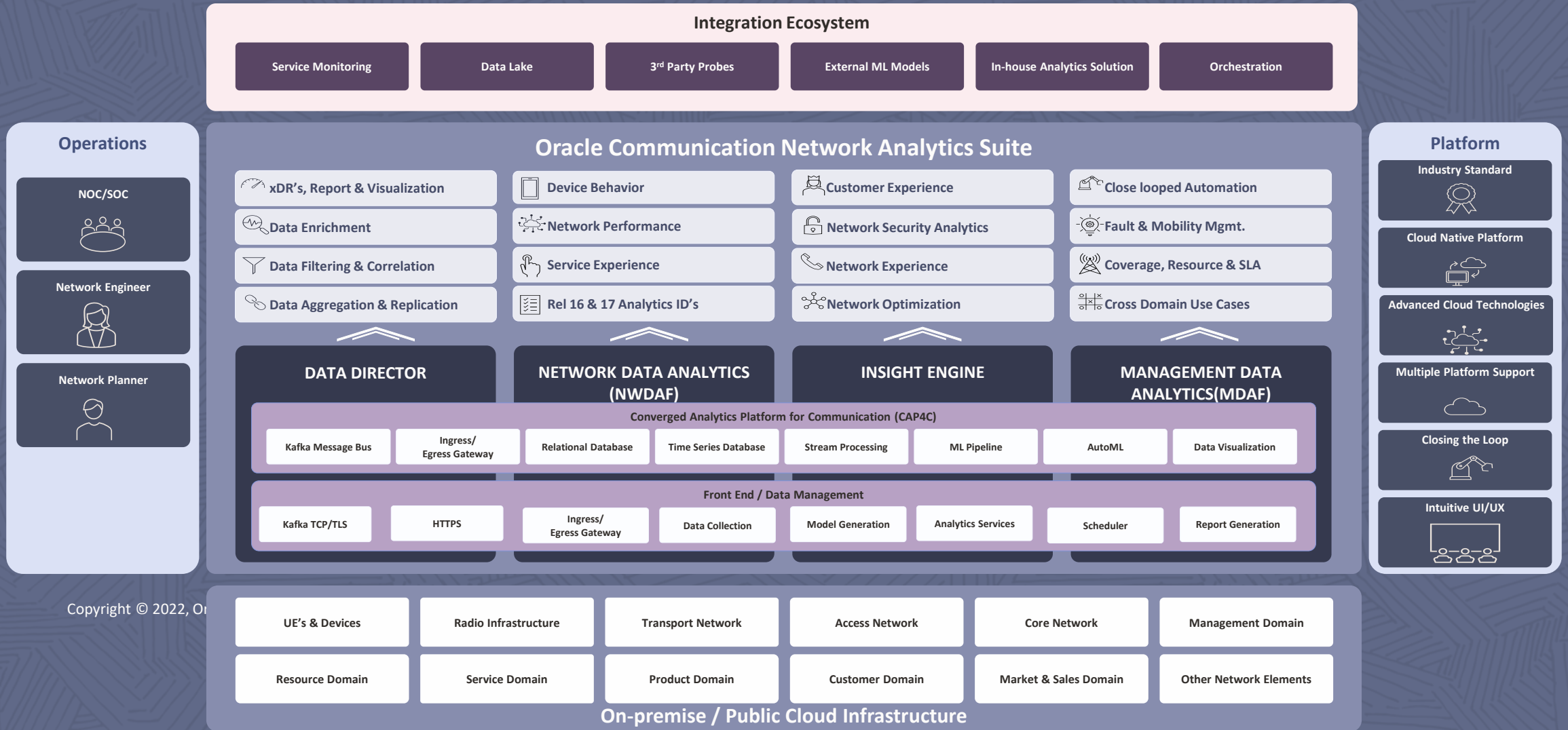


Oracle automation - creating the ultimate 5G...



Oracle Communications Network Analytics Suite

Data driven, analytics driven, analytics mastery



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The right implementation of tools and automation will help conquer complexity and scale 5G

5G requires a diverse ecosystem



Diverse
bands of
spectrum



Diverse
RAN
architecture



Diverse
business
models

Get cloud native right

- Architecture and data
- Tooling
- Skillset and culture

Rethink observability
Automation
and
Analytics

Choose a partner
that can help
you deliver
programmability
into your
core network

Thank you

