Corvil
MACHINE–TIME
ANALYTICS
To Safeguard Business in a Machine World

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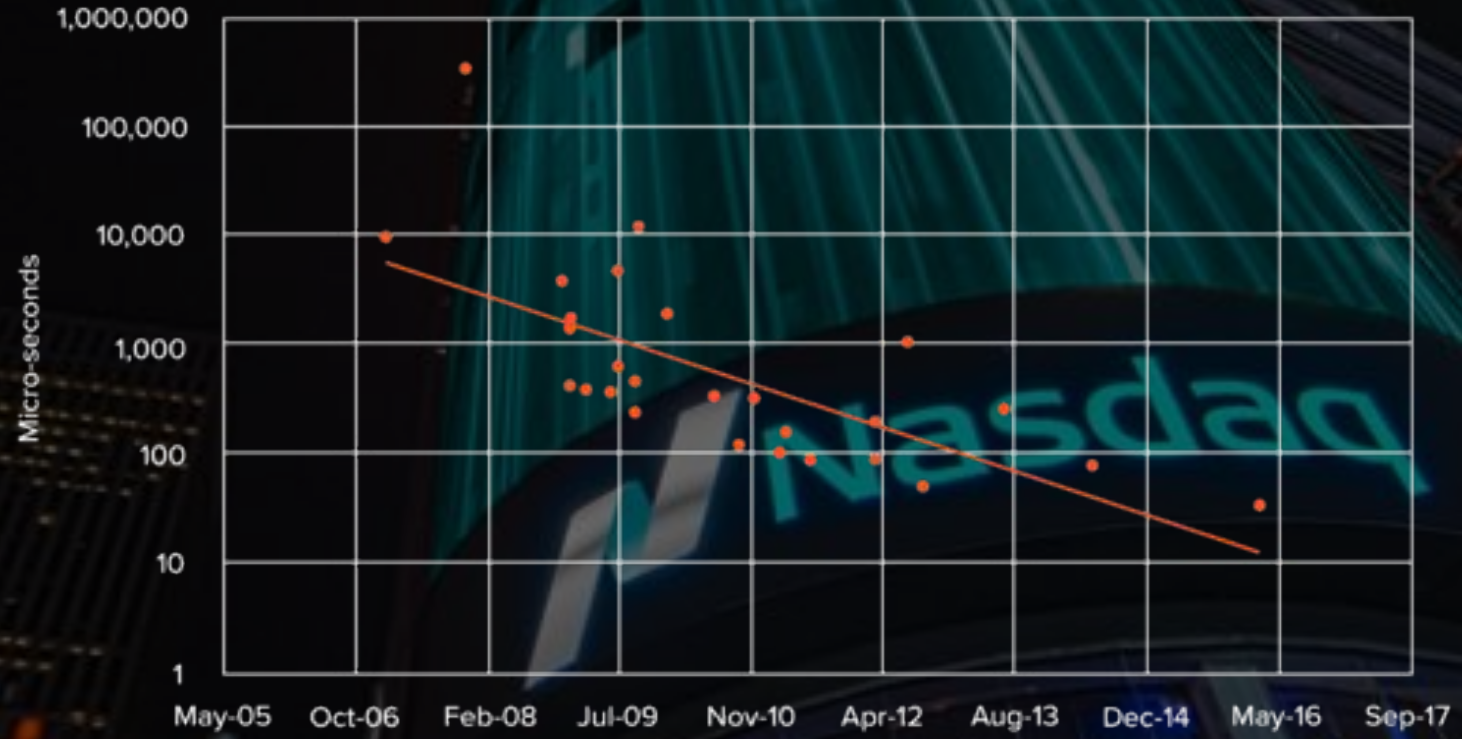
Exchange Order Response Times



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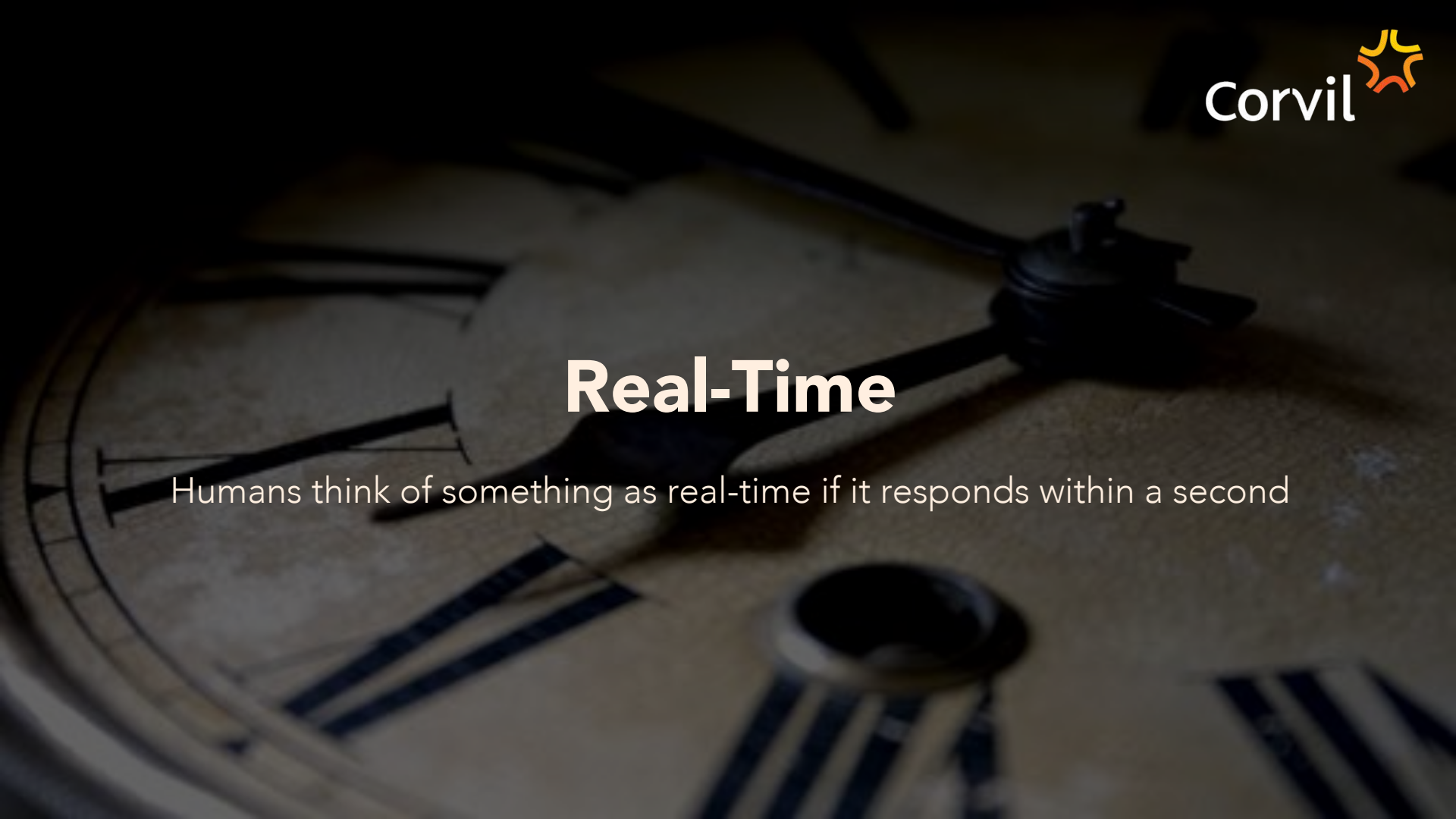
We Have Seen This Movie

Trading becomes a blur. It is much harder to see and make sense of what is going on. The performance and predictability of trading systems becomes critical for success. Infrastructure failure or mishap has a disproportionate impact. Business becomes more vulnerable to cyber attack. Operating risk rises to a new level. Regulation goes into to overdrive.

All of this happens in machine-time!



Real-Time

Humans think of something as real-time if it responds within a second

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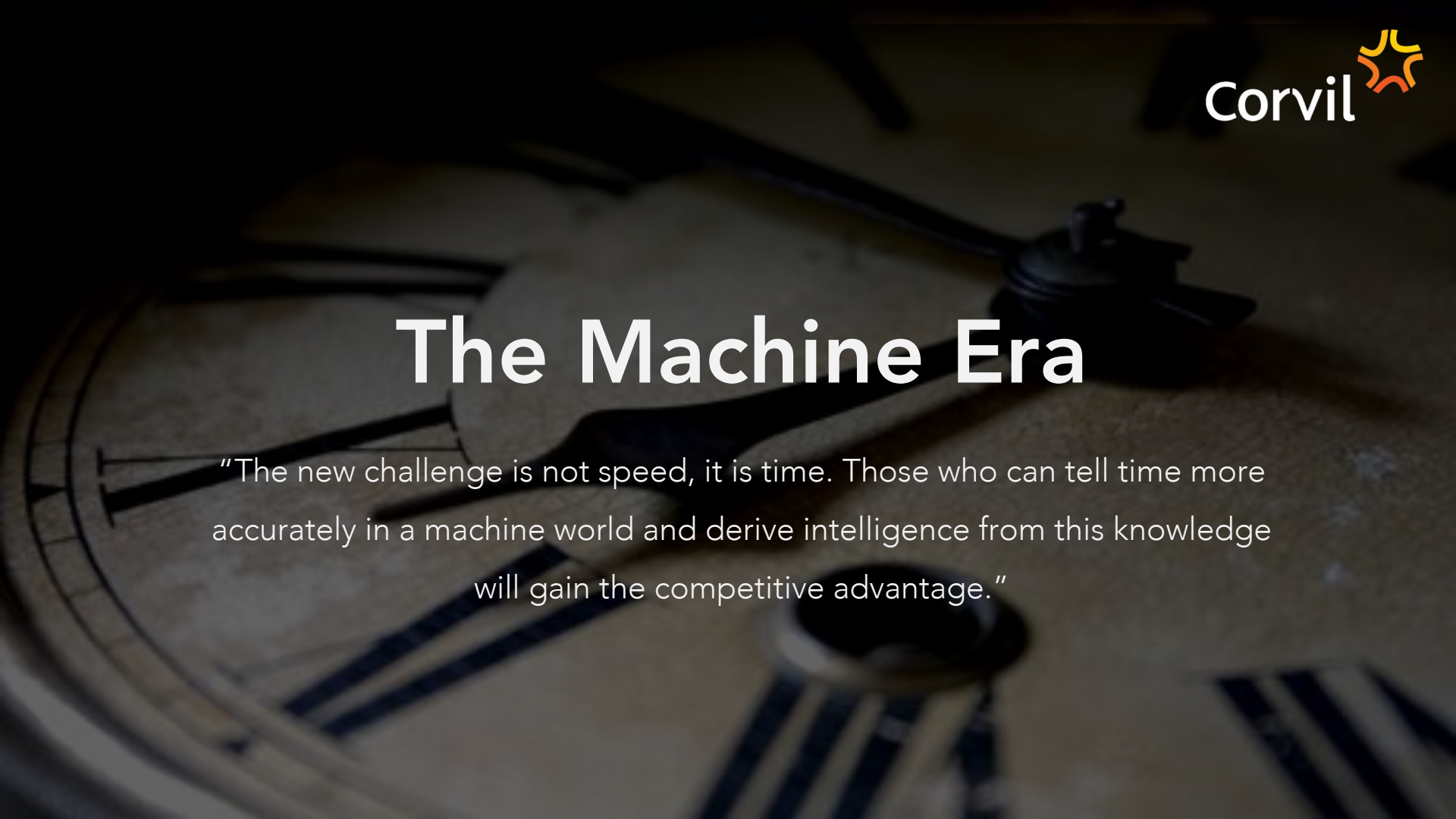
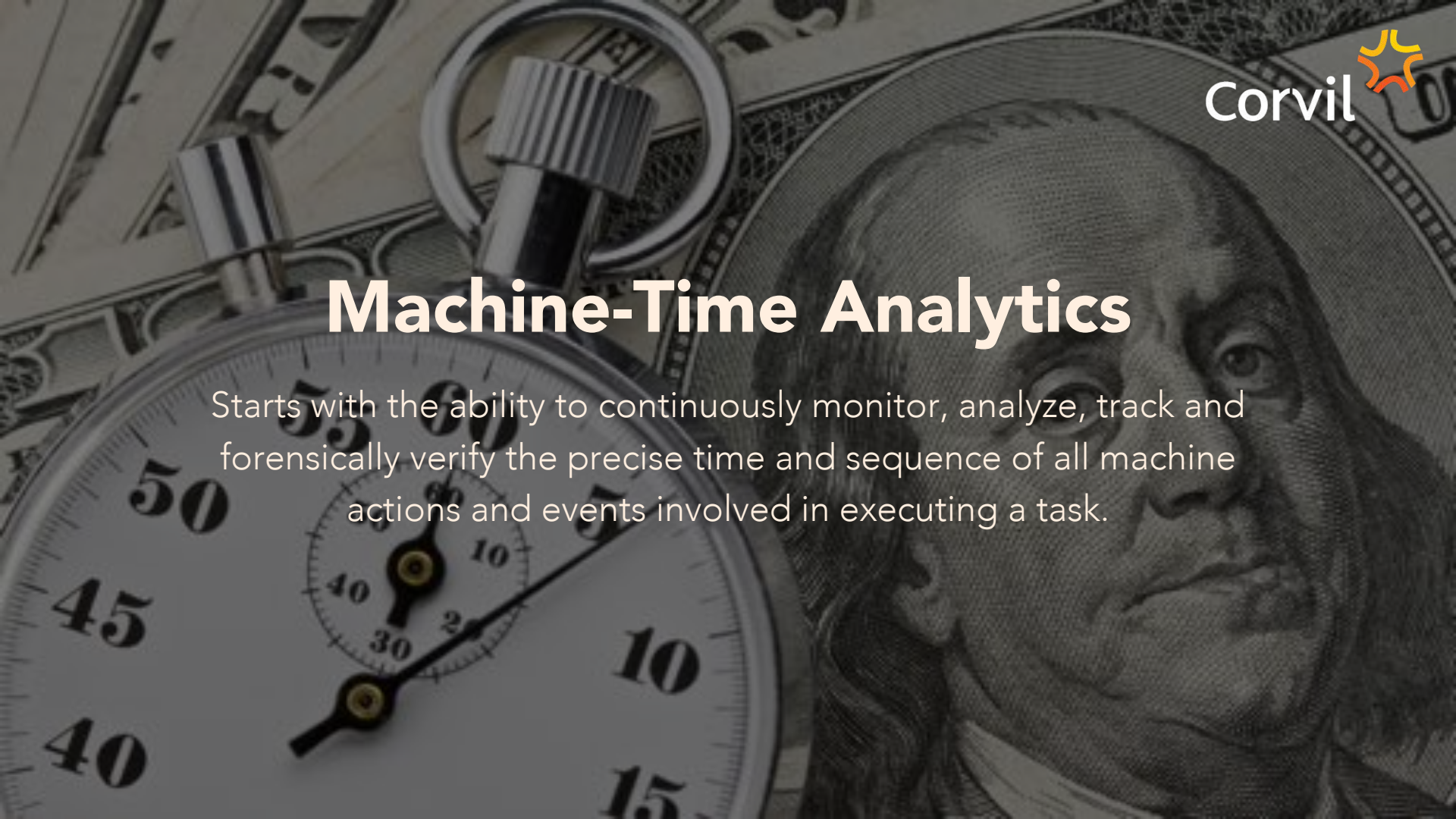
Machine-Time
The time it takes a machine to act or respond



The Machine Era

"The new challenge is not speed, it is time. Those who can tell time more accurately in a machine world and derive intelligence from this knowledge will gain the competitive advantage."



Machine-Time Analytics

Starts with the ability to continuously monitor, analyze, track and forensically verify the precise time and sequence of all machine actions and events involved in executing a task.

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The Pillars

For Machine-Time Analytics

Granular Data	Accurate Time	Machine Learning	Streaming Analytics

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ION Multi-Leg Order Analysis: ION Order ID: :5501@G2414:299.Leg2

Customer Fill to Tick	Leg1 - Leg2 Decision Time	Hung Order Notional
11.557 ms	22.480 ms	120

Corvil
A New Player
THE MACHINE–TIME TRADER

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MACHINE–TIME
ANALYTICS
Execution Intelligence
Infrastructure Transparency
Regulatory Compliance
Performance Optimization
Cyber-Threat Surveillance