

Game X

AN L4 challenge: Empowering Level 4 autonomous networks to self-optimize, self-heal, and deliver unparalleled efficiency with zero-touch intelligence. – Reduce operational costs by 30% through automation

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Champions:



Participants:



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The solution:

This Catalyst enables enterprise users to define business intents that drive a composable, AI-optimized, scalable Autonomous Network architecture across cloud, private 5G, and fixed-line networks delivering a zero-touch, zero-wait experience. Operating in a continuous ‘observe-plan-act’ cycle it ensures low-latency, zero-trouble connectivity, reducing cost and enhancing performance.



Addressing the challenge:

This Catalyst demonstrates an intent-based, autonomous network built to support a high-demand international gaming event—where latency, performance, and reliability are mission-critical. Though showcased in gaming, the architecture is scalable across industries like Finance, Healthcare, Industry 4.0, Automotive, and Immersive Media.

Key Use Cases & Capabilities:

- Service Marketing & Delivery: Uses intent-based APIs to dynamically configure services for events
- Network Planning: Utilizes agentic AI for real-time forecasting and capacity planning
- Energy Efficiency: Deploys “green” service offers to optimize for energy use
- Quality Optimization: Actively monitors and improves gaming performance across domains
- Fault Management: Executes closed-loop root cause analysis to meet Level 4 automation goals

Technical Highlights:

- Converged Network Slicing across 5G, fixed, and cloud
- Agentic AI with “Observe–Plan–Act” loops
- Edge Computing for ultra-low latency
- TM Forum Open APIs (e.g., TMF921) for multi-domain orchestration

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2x

faster revenue realization



Zero-wait

experience



30%

operational efficiency



20%

energy savings

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For Saudi Telecom Company (stc), downtime was not an option when sponsoring the first-ever Esports World Cup. This Moonshot initiative marks a pivotal step in our journey toward intent-based service networks and autonomous network operations by delivering ultra-low latency, predictive reliability, and intelligent scalability to support the seamless, secure, and immersive experiences that today’s gamers expect. We believe this blueprint also set the stage for innovation across the broader digital ecosystem.



Bader Allhieb
Vice President, Infrastructure



Champions:



Participants:

