

AI Predicts. SIMbae™ Enforces.

DETERMINISTIC, CONTEXT-AWARE CONNECTIVITY AT THE SIM

AI can recommend what should happen.

SIMbae™ ensures it does.

SIMbae is a software-based SIM applet that executes connectivity decisions directly at the identity layer — ensuring behavior is:

- ✓ Deterministic
- ✓ Context-aware
- ✓ Consistent across any network

No applications. No firmware changes. No user intervention.

Works with or without AI. Enhanced when AI is present.



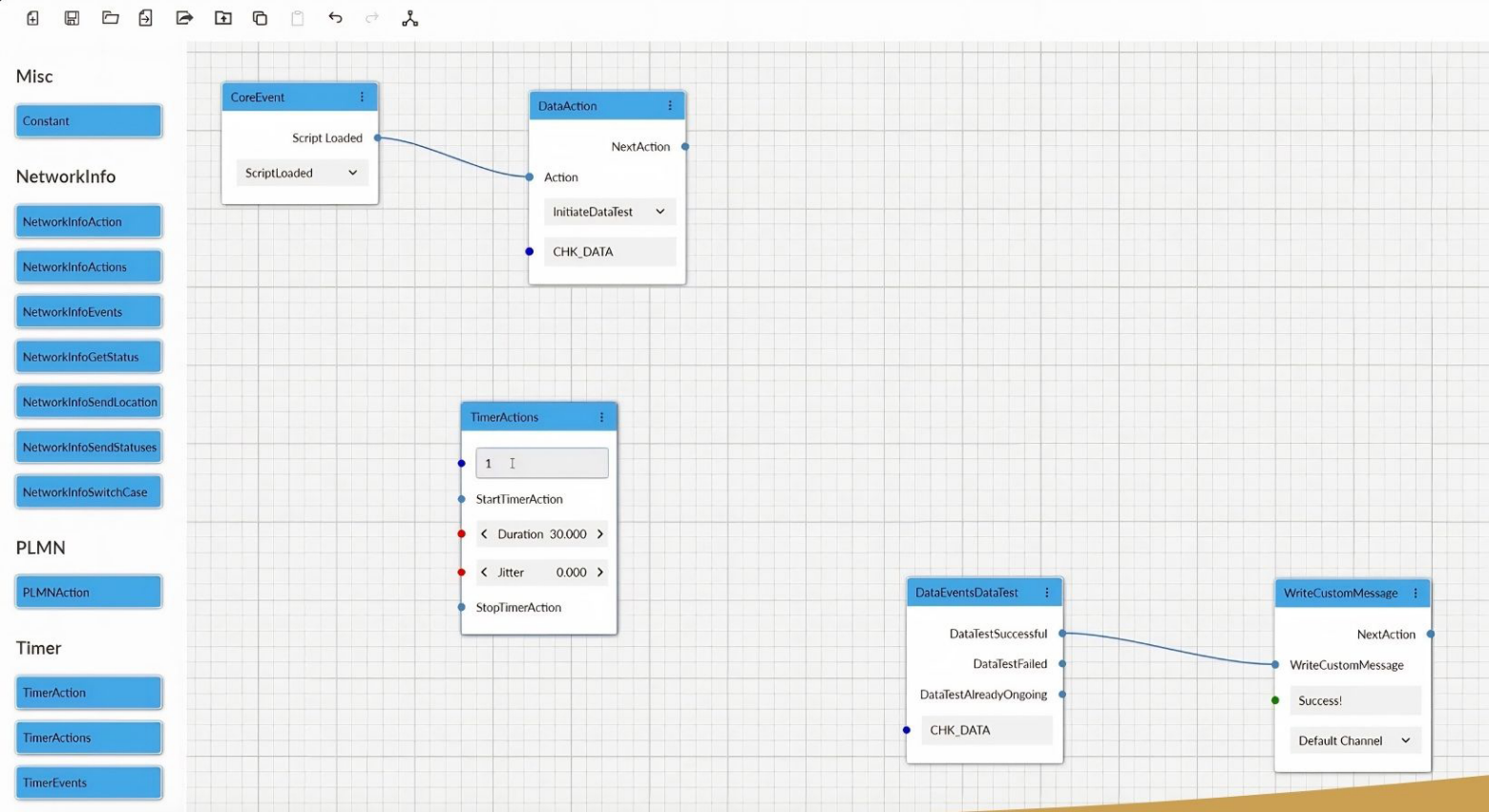
At the SIM layer



The Execution Layer for Intelligent Connectivity

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AI Can Decide. But What Ensures It Happens?

SIMbae enables MNOs, MVNOs, and enterprises to rapidly configure, deploy, and manage intelligent SIM-based solutions — without Java Card coding.

It transforms any SIM, eSIM, or eUICC into a secure, future-ready execution layer — already present in every device.

Much like Excel, SIMbae provides a comprehensive suite of capabilities that users can tailor to their needs — with no expertise in Java Card required.

As telecom evolves toward AI-driven operations, a critical gap remains:

AI can analyze and recommend — but it cannot enforce behavior across devices and networks.

Traditional approaches rely on:

- Device firmware
- Applications
- Cloud platforms

Resulting in fragmented, inconsistent outcomes.

SIMbae closes this gap by enforcing policy directly at the identity layer — inside the SIM.

Deterministic, Context-Aware Execution at the SIM

Quality of Experience

- Connect to optimal network coverage
- Ensure strongest signal selection
- Automatic public ↔ private switching
- Avoid suboptimal roaming conditions

App & Device Security

- Secure credential deployment
- Protect IoT endpoints at scale
- Enable secure communications

Mobile Network Efficiency

- Avoid poor-performing networks
- Reduce congestion and inefficiencies
- Optimize roaming behavior dynamically

IoT Diagnostics & Control

- Remote reset of unreachable devices
- Instant diagnostics and troubleshooting
- Improve operational visibility

Case Studies

Global Payment Provider

Millions of SIMs optimize roaming automatically, ensuring best connectivity without user interaction.

Tier 1 MNO

Seamless switching between public and private networks — no apps, no GPS, no backend systems.

EV OEM

Transforms eUICC into a secure OTA-updatable identity and control layer for vehicle systems.

All behavior is enforced directly at the SIM — ensuring deterministic execution across any device or network.



Configurable Execution — Without Complexity

SIMbae operates as a standalone SIM applet within the Java Card runtime environment.

It functions as a state machine — where defined events automatically trigger actions.

- No-code / low-code configuration
- Event → Action chaining
- Modular architecture
- Independent execution at the SIM

SIMbae scripts enable users — even without Java Card expertise — to define and deploy custom behaviors.

- Applet footprint: ~70KB
- Script updates: ~1KB
- OTA deployment at scale
- Instant policy updates across fleets

**Policies can be defined manually or generated by AI —
and deployed instantly to the SIM for real-time execution.**



Unified state table ensures:

- No conflicts between features
- Seamless interoperability
- Consistent behavior across deployments

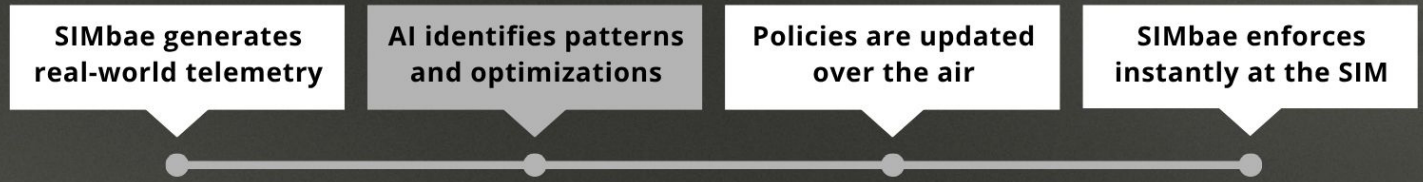
The Execution Layer for Intelligent Connectivity



SIMbae transforms the SIM from a passive component into an active, configurable control point. It enables organizations to:

- Remotely manage device behavior
- Diagnose and resolve issues in real time
- Reduce hardware replacements and truck rolls
- Extend device lifespan and performance

AI Predicts. SIMbae™ Enforces.



What Changes with SIMbae?

- ✓ Connectivity behavior is enforced — not requested
- ✓ Control moves to the identity layer — where it's always present
- ✓ Device behavior becomes deterministic and consistent at scale
- ✓ Policy execution happens in real time, at the point of access
- ✓ Networks evolve from managed → autonomous systems

Value

- ✓ Improve reliability and performance
- ✓ Reduce operational costs
- ✓ Accelerate time to market
- ✓ Eliminate vendor lock-in
- ✓ No new hardware required

SIMbae is the execution layer telecom has been missing.



2025 eSIM Innovation Award

Able Device

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Watch this video to learn more