

# MaxBits · Daily Tech Watch

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Daily brief · 2026-02-11

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## 3 deep-dives you should really read

### OpenAI upgrades its Responses API to support agent skills and a complete terminal shell

VentureBeat - AI · Topic: AI/Cloud/Quantum

- **What it is:** OpenAI has upgraded its Responses API with server-side compaction, hosted shell containers, and a new 'Skills' standard, empowering more robust autonomous AI agents.
- **Who:** OpenAI, a leading artificial intelligence company, has upgraded its Responses API to enhance the capabilities of its AI agents.
- **What it does:** The upgrades allow AI agents to maintain context for extended periods, execute code in managed shell environments, and leverage standardized, reusable 'skills'.
- **Why it matters:** This matters because it overcomes context limitations and infrastructure hurdles, enabling highly reliable, long-running AI agents for complex enterprise tasks.
- **Strategic view:** OpenAI is transforming into a managed AI compute provider, pushing enterprise adoption of truly autonomous digital workers and shifting the competitive landscape for AI platforms.

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### 'Observational memory' cuts AI agent costs 10x and outscores RAG on long-context benchmarks

VentureBeat - AI · Topic: AI/Cloud/Quantum

- **What it is:** Observational memory is an open-source AI agent memory architecture developed by Mastra that compresses conversation history into a stable, cached observation log for long-running interactions.
- **Who:** Mastra, founded by former Gatsby framework engineers, developed "observational memory" and offers it as open-source, including plugins for popular AI development frameworks.
- **What it does:** It compresses long-running AI agent conversations into a stable observation log, enabling effective prompt caching, significantly reducing operational costs up to 10x, and outperforming RAG in long-context scenarios.
- **Why it matters:** This innovation addresses the limitations of traditional RAG by providing a more cost-effective and stable memory solution for persistent AI agents, crucial for enterprise applications requiring long-term context retention.
- **Strategic view:** TMT executives should recognize this shift towards stable, cost-efficient agent memory as foundational for scalable, production-grade AI deployments, crucial for embedded enterprise agents requiring long-term recall and predictable operational expenses.

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### What AI builders can learn from fraud models that run in 300 milliseconds

VentureBeat - AI · Topic: AI/Cloud/Quantum

- **What it is:** Mastercard's Decision Intelligence Pro (DI Pro) is an advanced AI platform that utilizes a recurrent neural network to rapidly identify and prevent fraudulent transactions within milliseconds.
- **Who:** Mastercard, a global payment technology company, developed DI Pro to protect its vast transaction network from increasingly sophisticated and rapid fraudulent activities.
- **What it does:** DI Pro swiftly analyzes individual transactions for suspicious patterns, delivers real-time risk scores to issuing banks, and actively combats fraudsters by engaging them in artificial "honeypot" environments.
- **Why it matters:** This innovation significantly enhances real-time fraud detection capabilities, protecting billions of transactions annually by rapidly discerning legitimate behavior from increasingly complex fraudulent schemes and reducing financial risk.
- **Strategic view:** This demonstrates the strategic importance for TMT executives to prioritize ultra-low latency, AI-driven decisioning at scale, securing digital trust and protecting revenue against rapidly evolving sophisticated cyber threats.

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## CEO POV · AI & Space Economy

No CEO statements collected for today.

## Patent watch · Compute / Video / Data / Cloud

No relevant patent publications detected for today (EPO / USPTO).

## Curated watchlist · 3-5 links per topic

### TV / Streaming

No notable articles for this topic today.

### Telco / 5G

No notable articles for this topic today.

### Media / Platforms

No notable articles for this topic today.

### AI / Cloud / Quantum

- [The Download: Making AI Work, and why the Moltbook hype is similar to Pokémon](#) (MIT Technology Review - Tech)  Add to Weekly
- [A “QuitGPT” campaign is urging people to cancel their ChatGPT subscriptions](#) (MIT Technology Review - Tech)  Add to Weekly
- [Salesforce Workers Circulate Open Letter Urging CEO Marc Benioff to Denounce ICE](#) (Wired - Business)  Add to Weekly
- [CubeSats’ Missions Begin](#) (NASA - Breaking News)  Add to Weekly
- [NASA’s Hubble Captures Light Show Around Rapidly Dying Star](#) (NASA - Breaking News)  Add to Weekly

### Space / Infrastructure

- [Intense rainfall brings floods across Iberian Peninsula](#) (ESA - European Space Agency)  Add to Weekly
- [ESA awards contracts for Ramses mission to Apophis](#) (ESA - European Space Agency)  Add to Weekly
- [Watch live: Crew-12 launch and docking \(updated\)](#) (ESA - European Space Agency)  Add to Weekly
- [Hubble captures light show around rapidly dying star](#) (ESA - European Space Agency)  Add to Weekly

### Robotics / Automation

No notable articles for this topic today.

### Broadcast / Video

No notable articles for this topic today.

### Satellite / Satcom

No notable articles for this topic today.