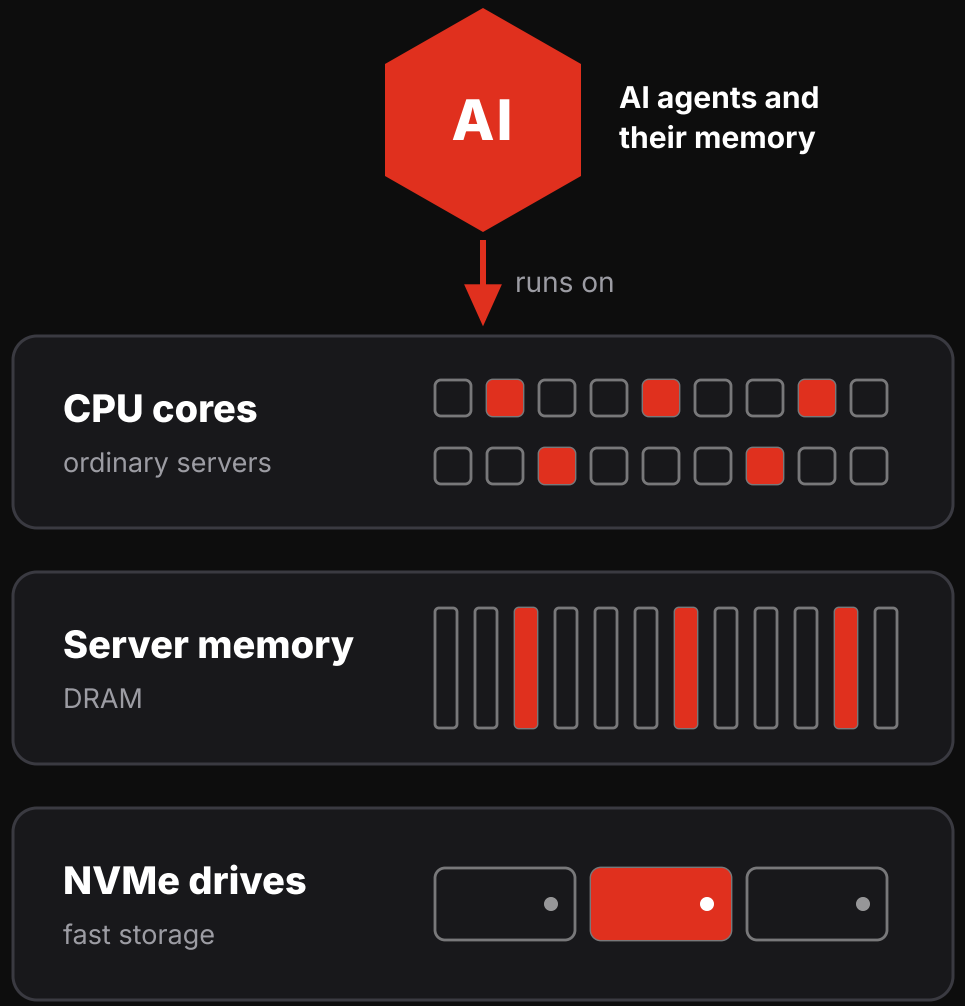
SEMURG

STRATEGIC PARTNERS

AI that runs on CPUs, memory and storage.

For clouds and hyperscalers, CPU makers, and memory and storage makers, with their marketplace and licensing teams.



Public slides · 18 November 2026 · Every figure names the published release that measured it.

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THE PROBLEM, AS WE SEE IT

Frontier AI is limited by memory.

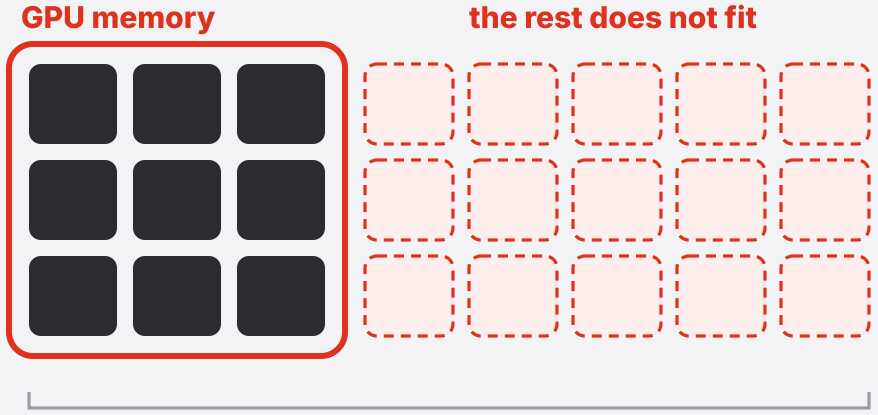
Agents forget.



Each new session starts from nothing.

Decisions, facts and their sources are lost.

Models must fit in GPU memory.

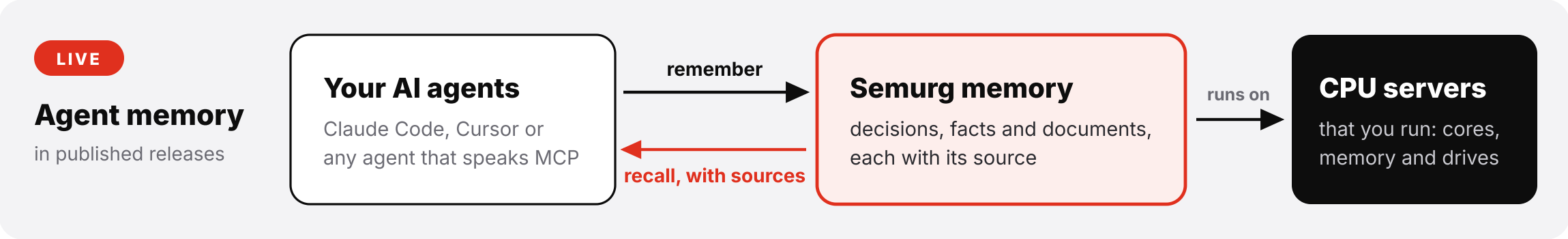


GPU memory sets what runs, and what it costs.

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WHAT SEMURG DOES

Agents remember. Models read from storage.



Serving very large open models from storage is in development; it is not in a published release yet. We publish its speed only when a release measures it.

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PROOF · RELEASE OF 16 NOVEMBER 2026

Measured in public, at every release.

WRITE

75.8 million

64-byte rows a second

a short burst; the median of three runs

READ

14.4 million

lookups by id a second

each returns one 64-byte row

TRAVERSE

982 million

edge hops a second

627 million with a memory budget smaller than the graph

SCAN

234 million

rows a second

every row read from the drives

AGENT MEMORY

17 of 17

memory checks pass

our own 2,000-document test set; a capability check, not a benchmark

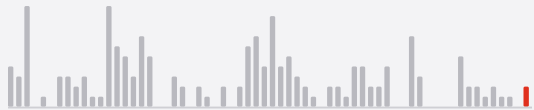
DRIVES DURING THE SCAN

90.5% of their ceiling

27.5 of 30.4 GB/s, four drives together — ceiling

PUBLISHED RELEASES

167



each measured before it was published; bars show releases a day

Two servers with 8 CPU cores each and four drives, measured as one cluster. Every figure is on one.semurg.io/performance with the release that measured it.

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SEMURG

DURABILITY · RELEASE OF 29 OCTOBER 2026

Killed 21 times. No acknowledged write lost.

PROCESS KILLED UNDER LOAD

0 **acknowledged writes lost**

of 32.2 million, each read back at its newest version

21 forced kills in 140 seconds

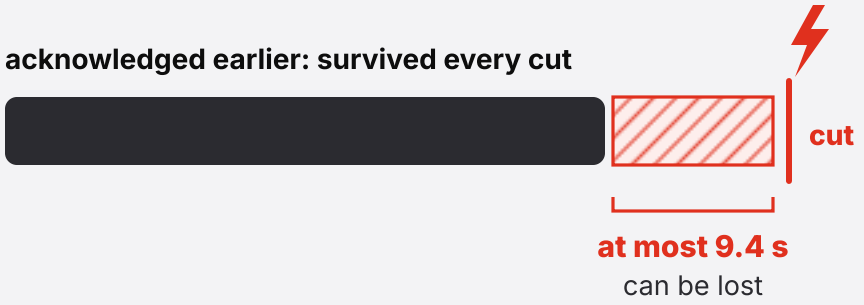
32 writers, the whole time

ready again in 0.66 s

median restart

THE HONEST LIMIT

A sudden power cut



21 cuts in each of two data shapes, on ext4.
Nothing read back was damaged. Our goal is zero.

Also passed on the same release: Disk full · Slow disk · Frozen process

one.semurg.io/durability

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WHY IT MATTERS TO YOUR BUSINESS

Five kinds of team, one reason.

Every Semurg node runs on **CPU cores, server memory and NVMe drives.**

Clouds and hyperscalers

Agent workloads on your CPU instances. Data stays in the customer's account.

TOGETHER

Co-engineering, a listing, go-to-market

CPU and chip makers

CPUs only. A new processor shows up as a published number.

TOGETHER

Early access, joint tuning, reference designs

Memory and storage makers

627 million edge hops a second, graph larger than its memory budget (16 Nov 2026).

TOGETHER

New memory and drive generations, measured

Marketplace teams

One-line install, MCP for agents. A listing would offer both on your platform.

TOGETHER

A listing and joint launch material

Licensing, OEM and embedded

Semurg inside your server line, storage system, appliance or service.

TOGETHER

Licensing and embedding, by agreement

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WHERE THINGS STAND

Ready today, and still in development.

READY TODAY in published releases

- **Agent memory over MCP**
  17 of 17 memory checks pass · 16 Nov 2026
- **Write, read, traverse and scan**
  measured at every release · 16 Nov 2026
- **Writes survive a killed process**
  21 kills under load, none lost · 29 Oct 2026
- **Install in one line**
  Linux, and Mac with Apple silicon

IN DEVELOPMENT not in a published release

- **Large models, read from storage**
  speed published only when a release measures it
- **Zero loss on a power cut**
  today at most 9.4 s can be lost · 29 Oct 2026
- **Atomicity and isolation tests**
  results pending on a published release

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TRY IT YOURSELF

Start in one line.

```
$ curl -fsSL https://one.semurg.io/install | sudo bash
```

LINUX

Mac with Apple silicon: `curl -fsSL https://one.semurg.io/dl/mac/install.sh | bash`

1

Install a node

on a server or a Mac you run.
Your data stays on it.

2

Connect your agents

over MCP: Claude Code, Cursor
or any agent that speaks MCP.

3

Agents remember

decisions, facts and documents,
with sources, across sessions.

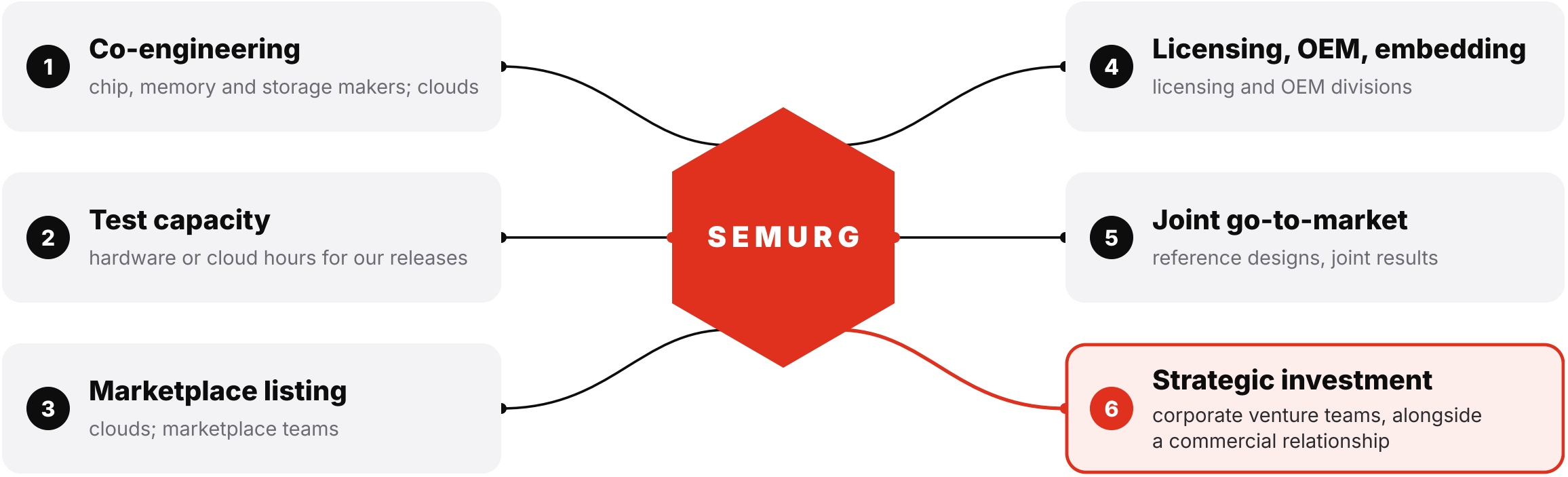
FREE FOREVER

The first node of every cluster is free forever.
Each additional node is about US$278 a year, or about US$1,390 once for the life of the machine.
Cluster or consumption agreements: contact us.

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WORKING TOGETHER

Six ways to work together.



Corporate venture teams of the companies whose platforms Semurg grows can talk to the founder about a strategic investment alongside a commercial relationship. Every way starts with a conversation about your platform.

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NEXT STEP

Talk to the founder.

Slade Murphy
Founder, Semurg

semurg@semurg.org

one.semurg.io



Write with your organisation, your role and your interest. Partnership terms are agreed one to one, in writing.

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