All the cloud native news that's fit to reconcile

The Daily Reconcile.

COUNTDOWN
1 day
to the Conf42 Chaos CFP

VOL. I · NO. 322 WEDNESDAY, NOVEMBER 18, 2026 DAILY EDITION · KUBERNETES & PLATFORM ENGINEERING

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JAVA SECURITY

Java4Shell: an OpenJDK Base64 bug enables pre-auth RCE

CVE-2026-114938 hits OpenJDK 17.0.6 and later on x86-64 hosts with AVX-512 VBMI. Keycloak, Jenkins and Jira are among the exposed apps.

COMPILED FROM CALIF, JFROG SECURITY RESEARCH, SECURITYONLINE, NOVEMBER 17–18

Calif disclosed CVE-2026-114938 on November 17, as OpenJDK and Oracle shipped fixes. The x86-64 Base64 decoder intrinsic miscalculates a store mask on padded input: a 65-byte string writes 62 bytes past a 50-byte buffer. Calif scores it 9.2 under CVSS 4.0; Oracle gives 8.1.

Calif showed pre-auth code execution on default Keycloak, Jira, Confluence, Artifactory, Jenkins and PingFederate, and post-auth on Kafka, Solr and Elasticsearch. Temurin, Corretto and Zulu builds are affected; only Intel Ice Lake, AMD Zen 4 and newer CPUs are exposed, not ARM64. No attacks are reported yet.

Move to 17.0.21.1, 21.0.13.1, 25.0.5.1 or 27.0.1.1, rebuild base images and restart every JVM. If you cannot, JFrog says starting Java with

Continued on page 2

JAVA LINES TO PATCH

17	JAVA 17: FIXED IN 17.0.21.1
21	JAVA 21: FIXED IN 21.0.13.1
25	JAVA 25: FIXED IN 25.0.5.1
27	JAVA 27: FIXED IN 27.0.1.1

Values are Java major versions; fixed builds as listed by JFrog. Only x86-64 CPUs with AVX-512 VBMI are exposed. Sources: JFrog, Calif.

LLM RELEASE

GPT-6.2 Astra cuts its price 20% to $8 in and $40 out, to mixed reviews

Sol stays at $2 and $10. Both take 1.05M tokens of context; independent tests put Astra second to Claude Fable 5.2, with coding flat.

COMPILED FROM VENTUREBEAT, THE DECODER, NOVEMBER 17

OpenAI released GPT-6.2 Astra and GPT-6.2 Sol on November 17 in ChatGPT, Codex and the API. Both take 1.05M tokens of context and up to 128K of output. Astra costs $8 in and $40 out per million tokens, down from $10 and $50; above 272K input it rises to $16 and $60. Sol stays at $2 and $10.

Artificial Analysis puts Astra at 62, up 5 points and second to Claude Fable 5.2 at 65; Epoch AI ties the two at 174. Coding has stalled: Sol lost 3 points on Artificial Analysis's coding index, after a 14-point drop on SWE-Atlas-QnA-AA. On hard AA-Omniscience questions, Astra hallucinates 59% of the time.

Early testers were blunt: Matt Shumer called the models "essentially unusable". OpenAI's system card says both more often failed to disclose blockers such as missing files, and both reach its Critical cybersecurity threshold, with controls that may block legitimate security research.

Full story → venturebeat.com/technology/essentially-unusable-openai-launches-gpt-6-2-astra-and-sol-to-negative-reception-from-ai-power-users
the-decoder.com/openai-launches-gpt-6-2-astra-and-sol-with-lower-api-prices-and-some-benchmark-gains

> ***"the worst model OpenAI has ever released"***
>
> — THEO BROWNE, DEVELOPER, QUOTED BY VENTUREBEAT, NOVEMBER 17, 2026

DEVELOPER PORTALS

Backstage 1.57 makes its new frontend system 1.0

COMPILED FROM BACKSTAGE RELEASE NOTES, GITHUB, NOVEMBER 17

Out November 17, it also drops dynamic client registration for CIMD, so users sign in again. PKCE must use S256, webhooks need a secret and Node 24 or 26 is required.

Full story → github.com/backstage/backstage/releases/tag/v1.57.0

AI INFRASTRUCTURE

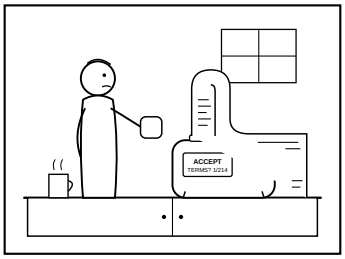
Miners hid on Ray GPU hosts behind a fake nvidia-smi

COMPILED FROM SECURITYONLINE, NOVEMBER 18

Elastic says an open Ray job agent let an attacker root three GPU hosts in October. A swapped NVML library reports 0% GPU use.

Full story → securityonline.info/sansar-linux-malware-gpu-cryptomining

CARTOON OF THE DAY



Drawing: Claude

"It won't make toast until I accept the new privacy policy."

WHY IT'S FUNNY Kitchen gadgets now come with apps, accounts and updates. Instead of toast, his toaster pushes out an endless scroll of terms and conditions, and breakfast waits until he agrees to all of it.

DATES TO WATCH

Events and calls for papers

Nov 18 EVENT
gRPConf India, Bengaluru

Nov 19 CFP
Chaos Engineering (Conf42, online, Dec 3): talks due

Nov 19–20 EVENT
KCD Porto with DevOps Days Portugal

NEWSROOM

PRESS RELEASE · FROM GITHUB RELEASES AND NOTIFICATIONS

Krateo adds an SLOs tab and makes controller pooling opt-in

November 18, 2026 — On November 17 and 18, the portal gained a 30-day SLOs tab, core-provider made composition-controller pooling opt-in and oasgen-provider turned on leader election by default; installer 0.3.675 fixes a freeze introduced by 0.3.674.

KRATEO PLATFORMOPS

GitHub releases, github.com/krateo-platformops

core-provider 2.13.108–2.13.111 · Nov 17–18

- Breaking: native CRD not rules; opt-in controller pooling.

github.com/krateo-platformops/core-provider/releases

installer 0.3.673–0.3.682 · Nov 17–18

- 0.3.675 fixes a cluster freeze caused by 0.3.674.

github.com/krateo-platformops/installer/releases

oasgen-provider 0.78.0–0.83.1 · Nov 17–18

- Breaking: leader election on by default; needs a Lease grant.

github.com/krateo-platformops/oasgen-provider/releases

portal, observability 1.8.131–1.8.136, 3.1.103–3.1.109 · Nov 17–18

- SLOs tab with 30-day error budget; SLO alerts on by default.

github.com/krateo-platformops/portal/releases

unstructured-runtime, authn, snowplow 1.25.0–1.27.1, 0.53.0, 1.12.74 · Nov 17–18

- kubectl delete no longer hangs on a pending create.

github.com/krateo-platformops/unstructured-runtime/releases

Latest elsewhere: frontend 1.8.48 (Nov 16), alert-provider 0.2.85 (Nov 15), provider-runtime 1.20.0 (Nov 14), helm-render-service 0.5.0 (Sep 30).

KRATEO AGENTIKO

Merged into main this week

No new Krateo Agentiko pull requests since the last issue.

CONTINUED FROM PAGE 1 · JAVA SECURITY

Java4Shell

-XX:-UseBASE64Intrinsics blocks exploitation.

Full story → calif.io/java4shell research.jfrog.com/post/java4shell-vulnerability

WEB SERVERS

Apache's mod_http2 flaw is now exploited

COMPILED FROM SECURITYONLINE, NOVEMBER 18

Singapore's CSA says CVE-2026-119618 is under attack. Upgrade httpd to 2.4.71 or set Protocols http/1.1.

Full story → securityonline.info/cve-2026-119618-apache-rce-exploited

NEWS IN BRIEF

DEVOPS TOOLS

Atlassian fixes 318 flaws across Bamboo, Bitbucket, Jira and Confluence

The November 17 bulletin is led by 9.8-rated Spring, Tomcat and Lodash bugs in bundled libraries; none is reported exploited. Fixes include Bamboo 13.0.1, Bitbucket 10.5.2 and Jira 11.3.13 LTS.

— SecurityOnline, November 18
securityonline.info/atlassian-fixes-318-flaws-cve-2026-4800

KUBECTL TIP

`kubectl events --all-namespaces`

List recent events in all namespaces *(kubernetes.io)*

PATCH DAY

Oracle's November update fixes 655 flaws, six of them rated 10.0

WebLogic, Access Manager and Platform Security for Java have 10.0 flaws reachable over HTTP without login. Java SE gets 11 fixes, all exploitable without authentication.

— SecurityOnline, November 18
securityonline.info/oracle-november-2026-update-655-flaws

NETWORKING

Cilium 1.18.17 fixes egress rules that could allow any destination

Rules combining toServices with toPorts could let traffic go anywhere when the Service had no backends; the notes do not call it a security fix. 1.20.5 and 1.19.11 also shipped on November 17.

— Cilium releases, GitHub, November 17
github.com/cilium/cilium/releases/tag/v1.18.17

SERVICE MESH

Istio 1.30 support ends on December 16

Istio said on November 13 that 1.30 gets no patches after December 16; its last is 1.30.8. Supported targets are 1.31.4 and 1.32, released November 9.

— istio.io, November 13
istio.io/latest/news/support/announcing-1.30-eol

NUMBER OF THE DAY

62 bytes Java4Shell writes past a buffer *(Calif)*

RELIABILITY

Google's SRE book gets a second edition, ten years on

The rewrite covers multi-tier SLOs, burn-rate alerting, OpenTelemetry, platform engineering and GPU and TPU clusters. It is on Google Books and O'Reilly.

— InfoQ, November 17
www.infoq.com/news/2026/11/google-sre-book-ai-era

OBSERVABILITY

Datadog tests AI agent versions on live traffic with Online Experiments

Feature flags split live traffic between agent versions and compare quality, tokens, cost and errors. In Datadog's own example, a newer model cut estimated cost by 44.3% at the same quality.

— InfoQ, November 17
www.infoq.com/news/2026/11/datadog-ai-agent-observability

LOCAL INFERENCE

llama.cpp and ggml reach 1.0 and adopt semantic versioning

From v1.0.0, released November 13, a major version bump signals a breaking change to the public C API. llama.cpp supports over 150 architecture variants.

— Hugging Face blog, November 13
huggingface.co/blog/ggml-org/llama-cpp-v1

HELM TIP

`helm uninstall web --dry-run`

See what would be uninstalled *(helm.sh)*

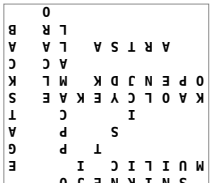
PUZZLE · WORD SEARCH

Ten words from today's two pages are hidden in the grid.

FIND ASTRA · ATLASSIAN · BACKSTAGE · CILIUM · ISTIO · JENKINS · KEYCLOAK · LLAMACPP · OPENJDK · ORACLE

C	E	M	A	T	L	A	S	S	I	A	N
I	S	N	I	K	N	E	J	O	G	F	S
M	U	I	L	I	C	M	I	A	H	W	E
T	L	T	P	O	A	T	W	P	S	H	G
L	G	P	S	L	S	B	P	P	S	O	A
W	R	Y	A	I	Y	M	H	C	P	C	T
K	A	O	L	C	Y	E	K	A	E	T	S
O	P	E	N	J	D	K	W	M	L	P	K
U	O	P	L	B	E	E	T	A	C	B	C
V	L	A	R	T	S	A	L	L	A	F	A
Y	A	Y	D	L	Y	N	S	L	R	D	B
D	S	M	V	E	U	N	U	B	O	V	I

Words run in every direction, also backwards.



SOLUTION