

SURVEY FINDINGS

AI agents are building in the cloud before teams have made it safe to do so.

Dimensional Research surveyed 309 developers and team managers who build cloud applications at enterprises with more than 1,000 employees. The data shows teams giving AI agents cloud access while security, cost, and environment reliability remain unresolved.

01 – ACCESS

79%

give AI agents access to cloud environments

Agents have broader cloud access than most developers

45%

say all human developers have cloud access

26%

of teams granting access include production

48%

have adopted fully autonomous agents

02 – RISK

97%

have concerns about giving agents cloud access

Security, cost, and quality concerns remain unresolved

Leaked credentials



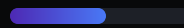
67%

Misconfigurations



62%

Increased cloud costs



53%

Nearly 40% of AI-generated code never reaches production, and 54% encounter more bugs in AI code than in human code.

Top concerns about AI agent cloud access

03 – ENVIRONMENTS

87%

wait two minutes or more for staging to reflect each code update

Agents lack a stable cloud development environment

42%

wait longer than 10 minutes per update

84%

share staging; 82% of them lose time to downtime weekly

9%

say staging fully matches production

“AI has moved the bottleneck. Writing code is no longer the slow part of the SDLC; validating it in the cloud is.”

LOCALSTACK, STATE OF AI IN CLOUD DEVELOPMENT 2026

Give your customers a safe place to build with AI in the cloud.

LocalStack is a local cloud development platform that partners deliver alongside cloud, AI, and DevOps services, giving every developer, AI agent, and pipeline a production-grade sandbox.

WHERE LOCALSTACK FITS IN YOUR OFFERINGS

AI AGENT ENABLEMENT

Agent workflows with guardrails built in

Agents deploy and test in isolated sandboxes, with no live credentials or customer cloud access.

CLOUD MIGRATION

Validate workloads before they move

Test IaC and application code locally. Deploy to production by changing one endpoint.

PLATFORM ENGINEERING

Replace shared staging with sandboxes

Build pipelines and developer platforms on ephemeral sandboxes instead of shared staging.

VALUE FOR YOUR PRACTICE

Shorter delivery cycles

Build and test faster than the cloud allows.

Lower delivery cost

Dev and test stay off the customer's cloud bill.

Lower delivery risk

No production access needed to build and test.

A clear answer on AI

Address customer concerns about agents in the cloud.

ALREADY TRUSTED BY ENTERPRISE TEAMS

 **ATLASSIAN** **Red Hat** **GE HealthCare** **splunk>**
a CISCO company **RYANAIR** **itaú** **BANQUE NATIONALE** **VARONIS** **DTN°**

1,500+
customers

400M+
Docker pulls

8M+
weekly sessions

500+
open source contributors

Explore a partnership with LocalStack.
Talk with our team about joint offerings for your customers.

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