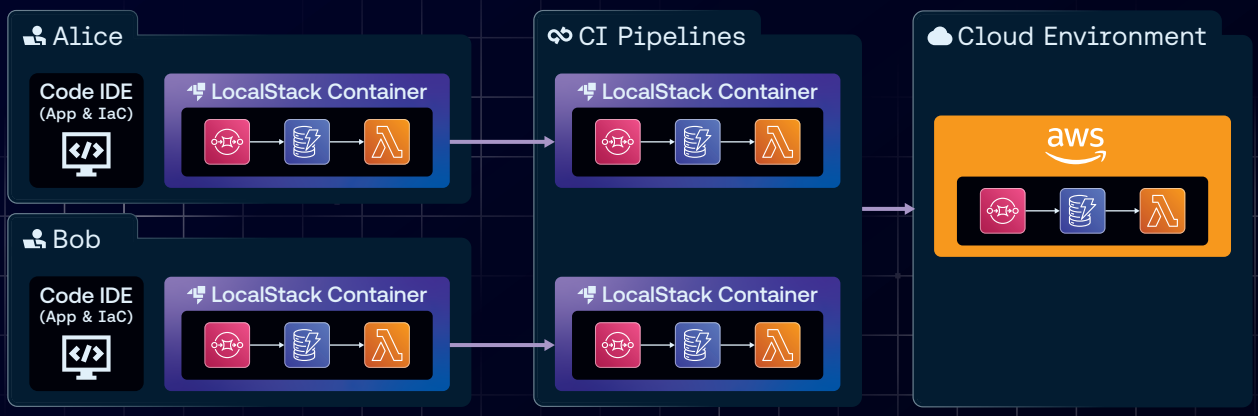
LocalStack

Unlocking Productivity from the First Line of Code



Build, test, and validate AWS workloads—locally and at scale.

LocalStack provides a high-fidelity local AWS environment, allowing teams to develop and test cloud applications directly on laptops or in CI systems prior to deployment. The diagram illustrates how LocalStack integrates across dev workflows and CI/CD pipelines.

Faster Feedback, Lower Costs

Develop Locally, Think Globally

Developers build and test their IaC and applications inside a LocalStack container on their workstations. Each developer gets a fully isolated local AWS environment, removing the need for shared or remote test accounts.

- **Fast feedback:** Validate changes in seconds..
- **High Parity:** Same APIs, SDKs, and behavior as AWS..
- **Offlin-ready:** No internet or cloud access required.
- **Zero cloud cost:** Eliminate unpredictable Dev/Test AWS costs.

Key Benefits

Speed & Productivity
Local feedback loops reduce debugging time from hours to minutes.

Quality & Predictability
Identical behavior across local, CI, and AWS ensures consistent outcomes.

Cost Efficiency
Zero Dev/Test cloud spend during local iteration.

Governance & Control
Offline mode supports air-gapped or regulated environments.

Collaboration
Cloud Pods make environments shareable across teams and CI systems.

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Reliable, Repeatable Tests

LocalStack creates isolated CI test sandboxes that match local environments and IaC definitions, delivering consistent, repeatable test runs.

- Stable integration tests
- True AWS behavior with Terraform/CDK/CloudFormation
- Shared Cloud Pods for consistent configs across environments

Confident Deployments

Once validated in LocalStack and CI, the application moves cleanly to AWS. High-fidelity AWS parity makes the local-to-cloud transition reliable and low-risk.

- Consistent results in production
- Cloud resources are only provisioned when needed
- Enterprises save up to 80% on Dev/Test cloud costs while speeding delivery

How it works

This architecture allows enterprises to run locally and deploy globally—accelerating development cycles, reducing costs, and ensuring full confidence in every release.

① Develop Locally

Each engineer codes and tests using a local AWS emulator container.

② Validate in CI

The same IaC templates and application code are executed in CI containers powered by LocalStack.

③ Deploy Confidentaly

Validated builds transition to AWS production seamlessly, with no surprises between local and cloud.

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Develop Locally, Think Globally

Schedule a Demo

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Visit us at Booth #1626