Environments as a Service Platform

On-demand & Ephemeral Pre-production Environments

While in the cloud-native world a lot of infrastructure has been slowly abstracted and automated, but pre-production environments are still created using hand-crafted scripts. To make matters worse, because of shared development and test sites, current software development processes work sequentially; forcing developers to wait for an environment to become available in order to test and validate a change. This grinding process delays releases.

With the Roost.ai platform, engineers no longer need to worry about creating environments or custom scripts for testing. Instead, they can focus on writing code because environments and testing are handled automatically and transparently.
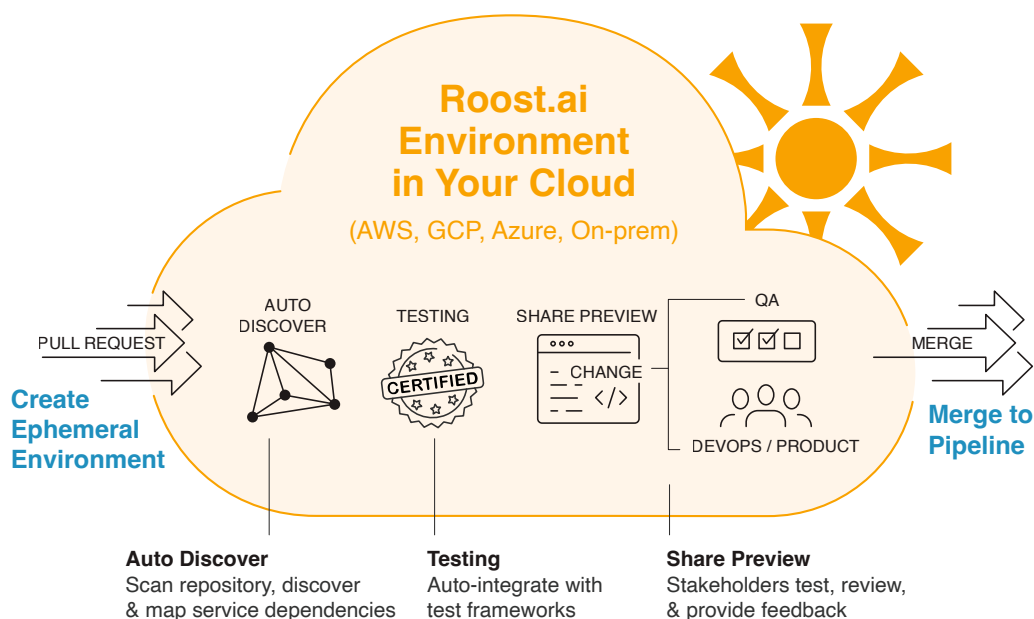
Since the Roost.ai environment is defined by a pull request, it is isolated and private to the developer, so numerous PRs can be run in parallel. This avoids testing bottlenecks and releases are shipped faster.
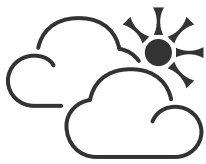
No more staging environments. No more long queues.

It is time to rethink the SDLC process. Roost.ai ephemeral pre-production environments are revolutionizing DevOps processes by narrowing the gap between development and production.

Achieve Real-time Release Velocity for Every Change

By inspecting source-code repositories, the Roost.ai Platform auto-discovers environment configuration and automatically tests code changes using the latest versioning.
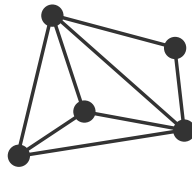

Auto Discover
Scan repository, discover & map service dependencies

Testing
Auto-integrate with test frameworks

Share Preview
Stakeholders test, review, & provide feedback

Core Capabilities of the Roost.ai Platform

Ephemeral Pre-production Environments

Instantly create an ephemeral environment based upon the specifications of a pull request or feature branch using the same micro services, containers, sidecars, etc. as production. Roost.ai simplifies environment management and creation because repetitive tasks are administered through the control plane.

AI-enabled Auto-Discovery & Automated Testing

The Roost.ai platform continuously scans source-code repositories and discovering environment configuration. It automatically tests code changes using the latest versioning and the power of machine learning. This PROPRIETARY PROCESS is the "secret sauce" to avoid integration issues later in production.

Sharable Preview Environments

Developers can share a custom URL for each pull request with stakeholders (QA, product, SREs, etc.) so they can review and validate changes before they are merged to the CI/CD pipeline.

Roost.ai Platform Differentiators

Automated Scanning: Automatically maps and discovers environment configuration required to instantly test and validate code changes.

Fast and Accurate Testing: Source code repositories are continuously scanned ensuring change validation testing is done instantly upon request and performed with the latest versioning.

Reduce Costs: Avoid running environments 24/7 by scheduling length of deployment time. Eliminate hours required for the management of complex software and custom script creation done by each individual developer.

Accelerate Release Cycles: Since the Roost.ai ephemeral environment is defined by a pull request and private to the developer numerous PRs can be run in parallel. No more QA bottlenecks!

Fast Feedback: Stakeholders (QA, product, engineers, architects, SREs, etc.) can review and validate changes BEFORE a pull request is merged. No more surprises in production!

Streamline Collaboration: Developers can share preview environments with stakeholders (via a custom URL) so they become part of the development process.