

Accelerate Workloads into AWS Using StackGen

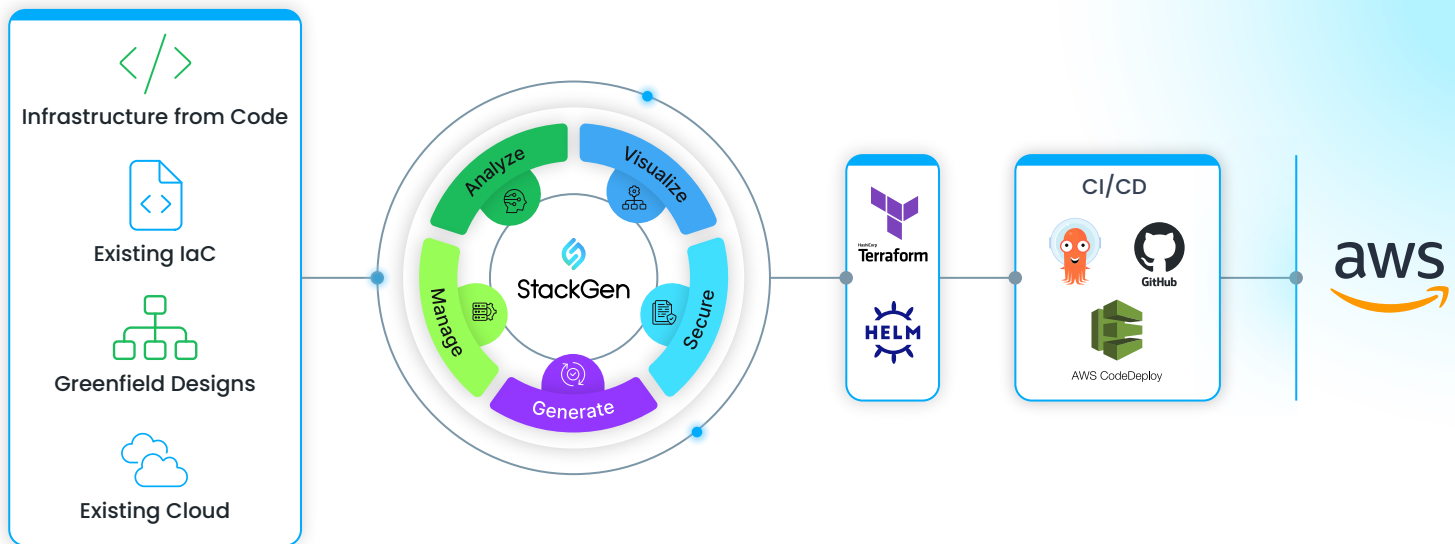
Generative Infrastructure Platform

StackGen is a generative infrastructure platform that automates the creation of secure, reliable infrastructure from various sources, including application code, existing state files, and visual designs. By eliminating the manual burden of Infrastructure as Code (IaC), **StackGen enables seamless, standardized deployments across cloud environments**, enhancing developer productivity and ensuring compliance with industry standards.

The platform streamlines cloud migrations and infrastructure modernization for enterprises running on AWS Cloud. It automates the cloud to AWS migration process with built-in compliance checks, architectural visualization, and dependency mapping to ensure accuracy and efficiency. StackGen helps with optimizing AWS environments by reducing migration challenges, reducing cost and enhancing operational agility.

Generative Infrastructure Platform

Deterministically generate secure cloud infrastructure



StackGen's "Cloud to AWS" Migration Approach

Discover and Analyze

- **Automatic Discovery:** Identifies all resources in your cloud environment.
- **Comprehensive Coverage:** Detects compute, storage, network, and platform services.
- **Visual Analysis:** Maps relationships and dependencies between applications, infrastructure, networking, and platform services.
- **Migration Planning:** Helps build a thorough cloud-to-cloud migration strategy.

Secure and Generate

- **Resource Translation:** Maps platform resources to their equivalents on the AWS cloud.
- **Import and Manage IAM Roles:** Identifies and translates roles and resource policies.
- **Migration Logs:** Categorizes resources as directly mapped, partially mapped, or unmapped and guidance for unsupported.
- **Secure Deployment:** Apply necessary security frameworks to the generated IaC.
- **Infrastructure as Code (IaC) Generation:** Converts cloud resources into Terraform and Helm files.

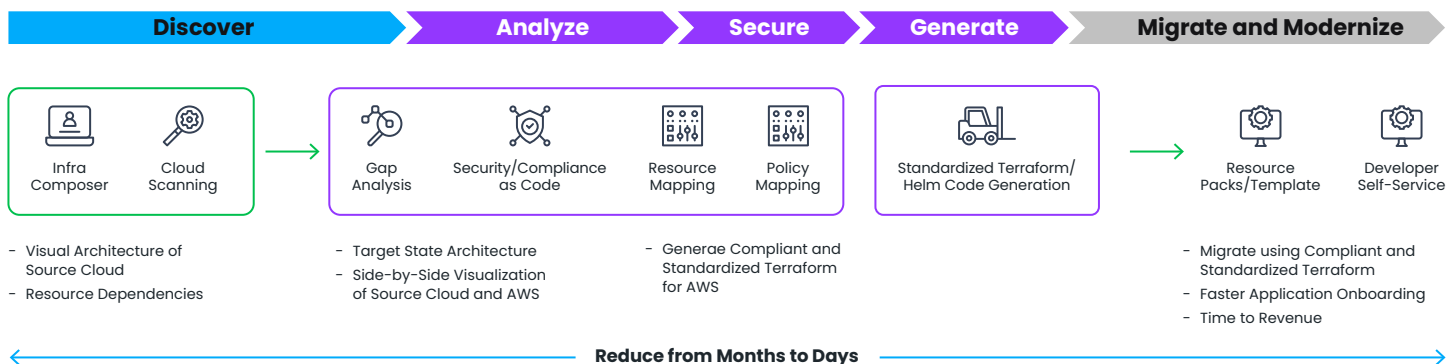
Migrate and Modernize

- **Seamless Migration:** Ensures a smooth transition to AWS infrastructure.
- **Consistency:** Maintains uniformity across deployments.
- **Standardized Governance:** Applies governance policies for compliance and security.
- **Operational Modernization:** Integrate with GitOps and Optimize cloud operations.

Customer Benefits: StackGen with AWS

IaC Automation at Scale

- ✓ **Optimized Cloud Infrastructure:** IaC that delivers cost savings and scalability while ensuring high availability and security.
- ✓ **Built on AWS:** From migration strategy, dependency mapping, planning to policy implementation and optimization, StackGen covers all aspects of cloud deployment and IaC management, backed by AWS Well architected framework and CIS benchmarks.
- ✓ **Reduced Risk:** StackGen reduces the risks typically associated with cloud migrations by utilizing proven processes and tools that minimize downtime and ensure business continuity.
- ✓ **Faster Time to Value:** Most intuitive and innovative Solution that provides cost-effective migration and modernization, reducing the effort from months to days.



StackGen Platform Features



Generative Infrastructure as Code (IaC)

- Auto Generated IaC
- Deterministic Terraform and Helm



Cloud Asset Discovery (Cloud2Code)

- API Scan of Existing Cloud Environment
- Enhanced Visibility
- Resource Organization



Cloud to Cloud Translation

- Analysis of Relationships and Dependencies
- Generation of Deployment Files for Target Cloud
- Mapping and Detailed Migration Log
- Custom Mapping per Organizational Governance



InfraComposer

- Drag and Drop Interface
- Visual Specification of Architecture
- Integrated Security and Compliance
- Version Tracking and Visual Diff
- Auto Generation of Terraform and Helm



Infrastructure from App Code (IfC)

- Original App Code Driven Infrastructure Generation
- Policy-Driven Governance and Compliance
- Dynamic Resource Management



BYO Terraform Module

- Flexible Module Integration
- Resource Packs with Custom Modules
- Architecture Governance Enforcement



Security and Compliance

- Powerful Policy Engine and Integrated Policy Enforcement
- Built-In Policy Frameworks: HIPAA, FedRAMP, PCI, etc.
- Custom Resource Policy Support
- Import and Manage IAM Roles
- Organized Role Based Access Controls Across Developers and DevOps



IaC Lifecycle Management

- Integration with CI/CD Pipelines
- Creation and Management of Environment Profiles

Additional Resources

PARTNER PROGRAM

stackgen.com/partners

IAC MODERNIZATION

stackgen.com/solutions/iac-transformation

CLOUD TO CLOUD MIGRATION

stackgen.com/solutions/iac-for-cloud-migrations