



AWS Migration for Café Hosting

Cost Analysis & Benefits Overview

Cloud Migration

Cost Optimization

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Overview

Why Migrate to AWS?



Your café is moving from a local cloud hosting provider with fixed monthly fees to Amazon Web Services. This migration will dramatically reduce costs, improve reliability, and position your business for future growth—all while eliminating the complexity of traditional hosting.

AWS charges only for what you actually use, not for capacity you might need someday.

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AWS Services Breakdown

The core services powering your café's static website—each designed to replace expensive traditional hosting with smart, scalable alternatives.



Amazon S3

Hosts your website files (HTML, CSS, images). Free tier covers 5 GB storage and 20,000 requests monthly—far more than a typical café site needs.



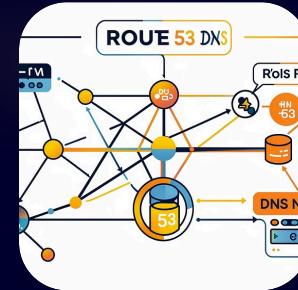
CloudFront CDN

Optional performance boost through global caching. Free tier includes 1 TB transfer and 2 million requests—your café's traffic won't exceed this.



IAM Access Control

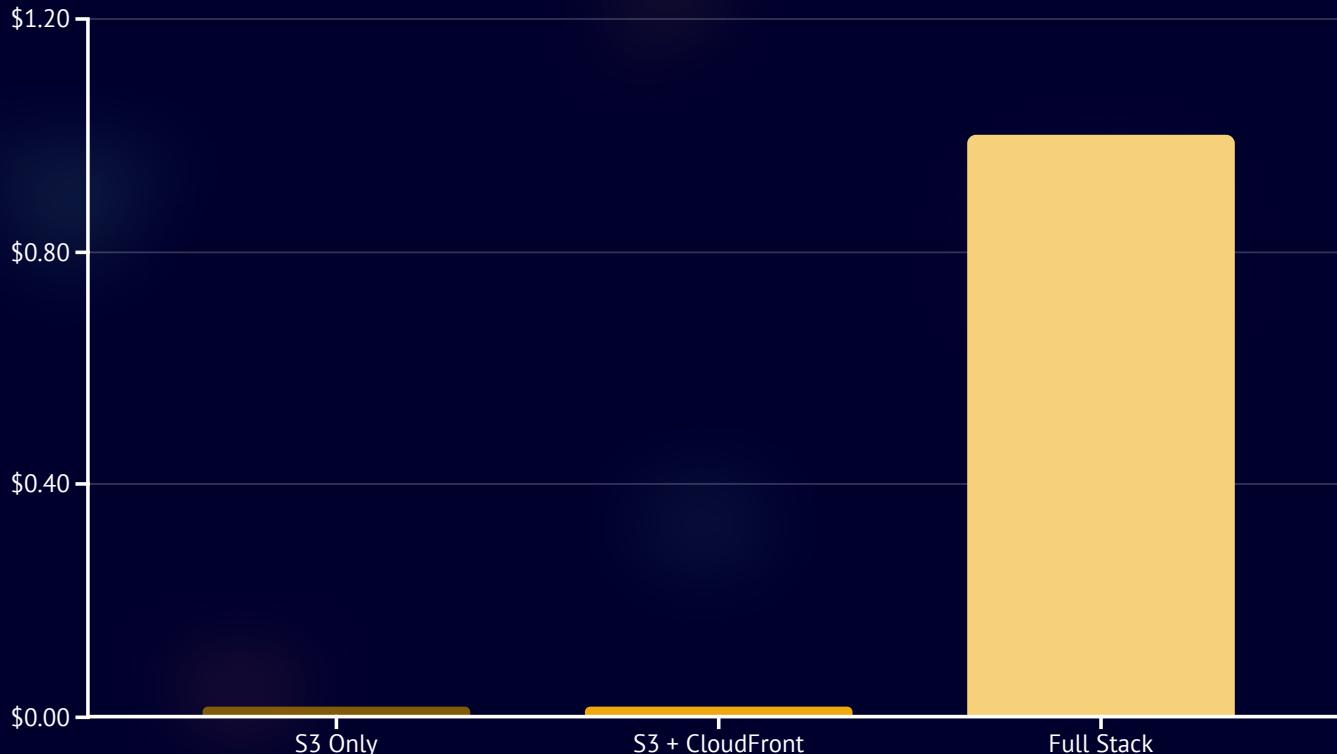
Centralized permission management, always free. Provides fine-grained security controls that replace basic account-level access from local providers.



Route 53 DNS

Custom domain management for \$0.50/month if needed. For demos or internal reviews, you can skip this and use the S3 endpoint directly.

Monthly Cost Scenarios



What This Means

Even with a full AWS setup including CloudFront and Route 53, your monthly hosting costs stay under \$1. The S3-only option—perfectly adequate for most café websites—costs absolutely nothing within the free tier.

As you expand to multiple locations, costs remain minimal unless you add dynamic services or complex office systems.

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Pricing Model Comparison

Local Cloud Provider

- Fixed monthly hosting plan regardless of traffic
- Storage and bandwidth caps
- Scaling requires expensive plan upgrades
- Paying for unused capacity during slow periods
- Limited regional redundancy

AWS Pay-As-You-Go

- Pay only for actual storage and requests used
- No fixed monthly hosting fees
- Automatic scaling during traffic spikes
- Free tier covers typical café website needs
- Global infrastructure with built-in redundancy

The fundamental difference: local providers charge for capacity, AWS charges for consumption. For a café website with modest traffic, this means near-zero hosting costs.

On-Premises Reality Check

Why self-hosting your café's website creates hidden costs and technical burdens.

Upfront Hardware

Mini PC/desktop, SSD storage (256 GB), UPS power protection. Significant capital expense before hosting even begins.

Monthly Operating Costs

24/7 electricity, business internet, router/firewall amortization, maintenance time. Costs are fixed regardless of website traffic.

Technical Drawbacks

- No redundancy—downtime during power outages
- Public IP often requires additional ISP fees
- Manual security patching and updates
- HTTPS configuration complexity
- No automatic scaling or disaster recovery
- Admin time diverted from café operations

Side-by-Side Comparison

Factor	AWS (S3)	Local Cloud	On-Premises
Monthly Cost	Near \$0	Fixed fee	Fixed + operating
Pricing Model	Usage-based	Fixed plan	Capital + maintenance
Scaling	Automatic	Plan upgrades	Manual hardware
HTTPS Setup	Automatic	Varies by provider	Complex configuration
Maintenance	None required	Minimal	High admin time
Disaster Recovery	Built-in	Limited	Manual setup

Key Migration Benefits

1

Cost Efficiency

Eliminates fixed monthly hosting fees. Converts operational expenses into variable, usage-based spending that scales with your actual needs.

2

Automatic Scalability

Handles seasonal traffic spikes during promotions without manual intervention or plan upgrades. Storage and delivery capacity adjust automatically.

3

Built-In Reliability

AWS global infrastructure provides high availability, fault tolerance, and automated recovery. Horizontal scaling eliminates single points of failure.

4

Enterprise Security

Shared responsibility model: AWS secures infrastructure while you control data and access. IAM, encryption (KMS), Security Hub, and VPC protection included.

AWS Support & Service Quality

What's Included (Free)

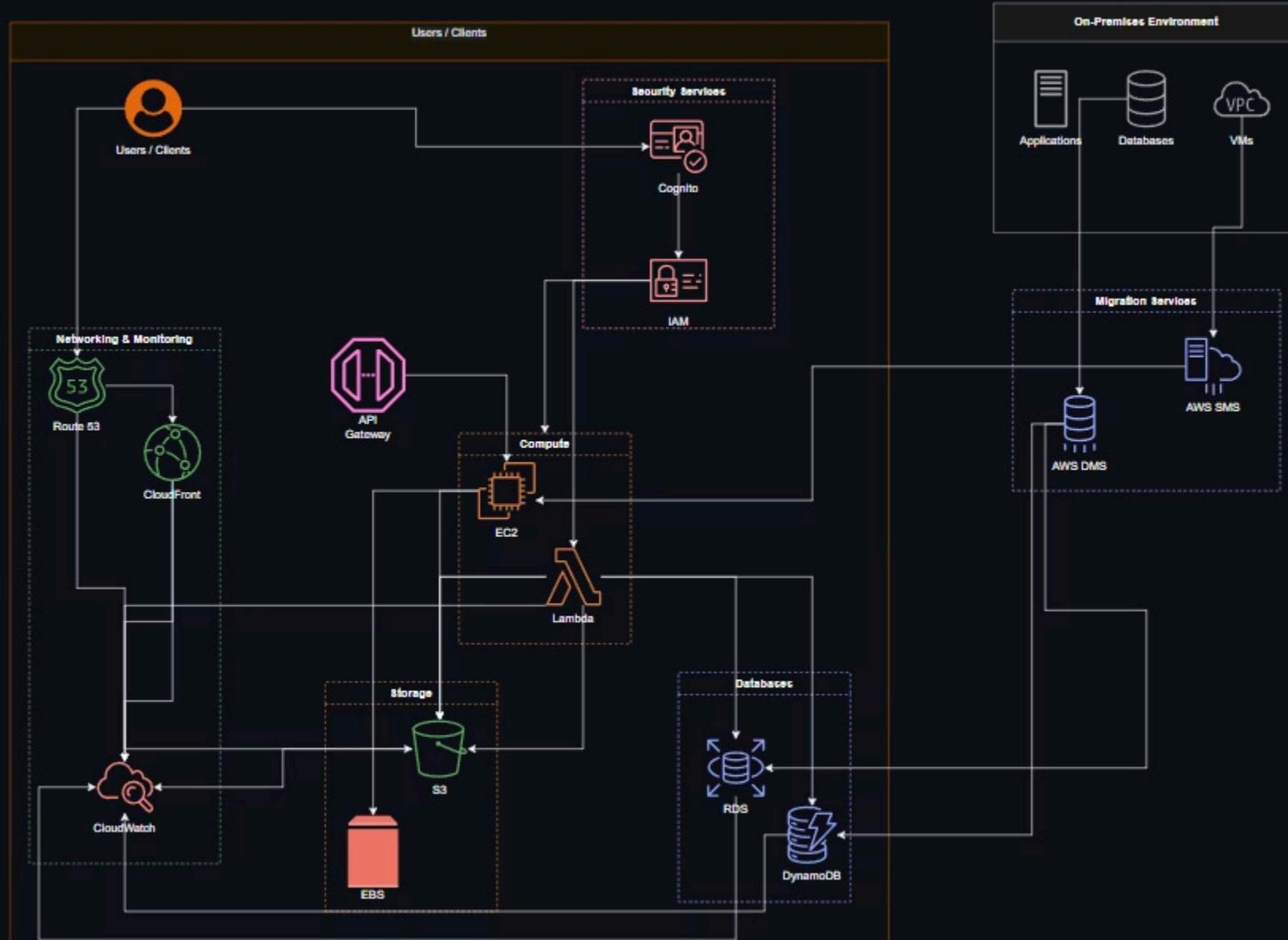
AWS Basic Support covers everything a café website needs without additional cost.

Customer Feedback

Users consistently report fast initial responses, thorough issue investigation, proper escalation when needed, and detailed follow-up solutions. For static website hosting, Basic Support is more than sufficient.

- Comprehensive documentation and knowledge base access
- Billing and account support with clear explanations
- AWS Health Dashboard for service status monitoring
- Community forums with active AWS experts

AWS Architecture for FreshlyGround Cafe



This diagram illustrates the complete migration and operational architecture for FreshlyGround Cafe's AWS infrastructure, detailing how on-premises resources transition to a scalable, secure, and cost-effective cloud environment.

Ready for the Future

Migrating from local cloud hosting to AWS delivers immediate cost savings, superior availability, and enhanced security—all while freeing you to focus on what matters: running your café.

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Typical Monthly Cost

Within AWS free tier limits

Uptime Target

Built-in redundancy and recovery

Maintenance Hours

AWS manages infrastructure

Your architecture is now future-ready for additional branches, digital services, and business growth—without the complexity or costs of traditional hosting.

