AWS AMPLIFY COST CALCULATOR

YouTube Presentation Guide

FREE TIER LIMITS (Monthly)

+ Build Minutes: 1,000 minutes FREE
+ Storage: 5 GB FREE
+ Bandwidth: 15 GB FREE

PAID PRICING (After Free Tier)

• Build Minutes: $0.01 per minute
• Storage: $0.023 per GB/month
• Bandwidth: $0.15 per GB

BUILD RESOURCES (Temporary - Only During Builds)

• RAM: 7 GB
• vCPUs: 4 cores
• Disk Space: 128 GB
• Duration: 2-5 minutes per build
• Cost: Only charged for build time

RUNTIME RESOURCES (24/7 - Serving Users)

• CloudFront CDN: 220+ edge locations
• Capacity: Unlimited (auto-scales)
• Cost: Only bandwidth ($0.15/GB)
• No per-request charges
• No server management

REAL-WORLD COST EXAMPLES

EXAMPLE 1: Small Blog (10K visitors/month)

```
Deployments: 20 builds × 3 min = 60 minutes
Storage: 500 MB
Bandwidth: 5 GB
```
TOTAL COST: $0/month [FREE]

EXAMPLE 2: Medium App (100K visitors/month)

```
Deployments: 50 builds × 4 min = 200 minutes
Storage: 2 GB
Bandwidth: 50 GB (35 GB paid)
```
TOTAL COST: $5.25/month

EXAMPLE 3: Large Site (1M visitors/month)

```
Deployments: 100 builds × 5 min = 500 minutes
Storage: 3 GB
Bandwidth: 200 GB (185 GB paid)
```
TOTAL COST: $27.75/month

EXAMPLE 4: Enterprise (10M visitors/month)

```
Deployments: 200 builds × 5 min = 1,000 minutes
Storage: 8 GB (3 GB paid)
Bandwidth: 1,000 GB (985 GB paid)
```
TOTAL COST: $147.82/month

COMPARISON: EC2 vs AMPLIFY

EC2 t3.micro (Traditional):

• Server: $8.50/month (always running)

• Bandwidth: $9.00 (100 GB)

• Manual maintenance required

TOTAL: $17.50/month + DevOps time

AWS Amplify (Same Traffic):

• Build: FREE

• Storage: FREE

• Bandwidth: $12.75 (85 GB paid)

• Zero maintenance

TOTAL: $12.75/month + ZERO DevOps time

SAVINGS: $4.75/month + 5-10 hours saved

KEY BENEFITS

+ Pay only for what you use

+ No servers to manage

+ Auto-scales to millions of users

+ Global CDN included

+ Free SSL certificates

+ 99.9% uptime SLA

SCALING BEHAVIOR

• Same cost model from 100 to 1M+ users/day

• Only bandwidth increases with traffic

• CloudFront auto-distributes across 220+ edge locations

• No configuration required

WHEN TO USE AMPLIFY

+ Frontend apps (React, Vue, Angular)

+ Static sites (Gatsby, Hugo, Next.js)

+ Portfolios and landing pages

+ Any site with unpredictable traffic

WHEN NOT TO USE:

- Heavy backend processing

- Long-running background jobs

- Real-time multiplayer games

COST OPTIMIZATION TIPS

1. Enable caching to reduce bandwidth

2. Optimize images before deployment

3. Use branch deployments for testing (free)

4. Monitor CloudWatch for usage patterns

5. Set up billing alerts

CALL TO ACTION

>> Try AWS Amplify free tier

>> Deploy your first app in 5 minutes

>> Use AWS Cost Calculator: codewithmuh.com/tools/aws-calculator

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