LogZilla for Media and Entertainment
Content Protection, Streaming Infrastructure, and Piracy Detection

Content Protection	**Streaming** Visibility	**DRM** Monitoring	**AI** Copilot Included

The Media Challenge

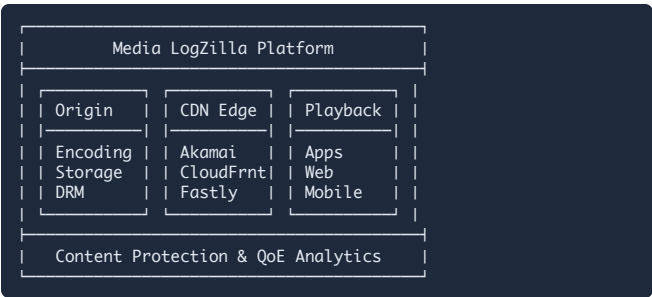**Content and Infrastructure Protection:**
- **Content piracy**: Pre-release leaks cost millions
- **Streaming scale**: Millions of concurrent users
- **DRM enforcement**: License compliance
- **Account sharing**: Revenue leakage
- **CDN complexity**: Global distribution

The AI Advantage

Media-Aware Intelligence:
- **Piracy detection**: Pre-release leak alerts
- **Streaming health**: QoE monitoring
- **Account abuse**: Credential sharing detection
- **CDN optimization**: Performance analytics
- **Content security**: Access anomaly detection

Streaming Infrastructure

```
|          Media LogZilla Platform          |
|-------------------------------------------|
|           |             |             |   |
| | Origin  | | CDN Edge  | | Playback  | | |
| |         | |           | |           | | |
| | Encoding| | Akamai    | | Apps      | | |
| | Storage | | CloudFrnt | | Web       | | |
| | DRM     | | Fastly    | | Mobile    | | |
|           |             |             |   |
|-------------------------------------------|
|      Content Protection & QoE Analytics   |
```

End-to-End Visibility: LogZilla correlates events from content ingestion through CDN delivery to player analytics for complete streaming visibility.

AI-Powered Content Protection

Security Analyst prompt: "Analyze all content access events for pre-release title 'Project Phoenix' for leak indicators."

```
CONTENT PROTECTION ANALYSIS
Title: Project Phoenix (Pre-Release)
Release Date: Dec 15, 2024 | Status: SECURED

ACCESS SUMMARY (Last 7 Days):

Authorized Access: 47 users
  Post-Production: 23
  Marketing: 12
  QA/Testing: 8
  Executive: 4

⚠ ANOMALIES DETECTED: 2

1. UNUSUAL DOWNLOAD PATTERN
   User: editor_jsmith
   Activity: Full 4K master download
   Time: 2 AM (unusual hours)
   Device: Personal laptop (not approved)
   Status: BLOCKED - Manager notified

2. WATERMARK DETECTED EXTERNALLY
   Source: Torrent site (automated scan)
   Quality: Screener (720p)
   Watermark: QA-USER-47
   Status: INVESTIGATING - Legal notified

FORENSIC WATERMARKING: Active
  All copies traceable to user
  External monitoring: Enabled
```

AI Use Cases for Media

Use Case	Traditional	With AI
Leak detection	After release	**Real-time**
Account sharing	Manual analysis	**Automated**
QoE troubleshooting	Hours	**Minutes**
CDN optimization	Reactive	**Proactive**
DRM compliance	Periodic audit	**Continuous**

Systems Monitored

- **CDN**: Akamai, CloudFront, Fastly
- **DRM**: Widevine, FairPlay, PlayReady
- **Encoding**: AWS Elemental, Harmonic
- **Analytics**: Conviva, Mux, NPAW

Streaming Quality and Account Security

> **Operations prompt:** "Analyze streaming quality issues and account abuse patterns for the last 24 hours."

```
STREAMING OPERATIONS ANALYSIS
Period: Last 24 Hours | Streams: 12.4M | Users: 8.7M

QoE METRICS:
   Avg Bitrate: 8.2 Mbps
   Rebuffer Rate: 0.3%
   Start Time: 1.2 sec
   Error Rate: 0.02%

REGIONAL ISSUES:
⚠  APAC - Elevated rebuffering
      CDN: Singapore POP
      Cause: ISP peering saturation
      Impact: 47,000 users
      Status: Traffic rerouted to Tokyo

ACCOUNT ABUSE DETECTED:
   Credential Sharing: 12,341 accounts
      Pattern: 5+ locations in 24 hours
      Revenue Impact: ~$247K/month

   Credential Stuffing: 847,000 attempts
      Source: Botnet (Eastern Europe)
      Success Rate: 0.02%
      Compromised: 169 accounts
      Status: Password resets triggered

BOT TRAFFIC BLOCKED: 2.4M requests
   Scraping attempts: 1.8M
   Fake signups: 0.6M
```

Live Event Monitoring

```
LIVE EVENT: Championship Finals
Concurrent Viewers: 2.4M (peak)

STREAM HEALTH: EXCELLENT

Origin Status:
   Primary: Healthy (redundant)
   Backup: Standby (ready)
   Latency: 4.2 sec (target: <5)

CDN Distribution:
   North America: 1.2M viewers ✓
   Europe: 0.8M viewers ✓
   APAC: 0.4M viewers ✓

Piracy Monitoring:
   Illegal Restreams: 23 detected
   Takedowns Issued: 23
   Avg Response: 4.2 minutes
```

Content Security Frameworks

Framework	Coverage
MovieLabs ECP	Supports
CDSA	Audit Ready
TPN (MPA)	Supports
GDPR	User Data
CCPA	Privacy

Deployment Options

Cloud (Recommended)
- Global scale
- CDN integration
- Scalable capacity
- Real-time analytics

Hybrid
- Studio on-prem
- Streaming in cloud
- Content isolation
- Flexible architecture

On-Premises
- Studio security
- Pre-release content
- Air-gap option
- Full control

Why Media Companies Choose LogZilla

Metric	Improvement
Leak detection	Real-time
QoE troubleshooting	90% faster
Account abuse detection	Automated
Piracy takedown	Minutes

Media-Specific Benefits:
- **Content protection**: Pre-release security
- **Revenue protection**: Account abuse detection
- **Streaming quality**: Proactive QoE
- **Global scale**: Billions of events