

# CDNI Video Publisher Use cases

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# Content Publisher Use Cases for Content Delivery Using Multiple CDNs

- Content License Enforcement
  - Temporal Licensing
  - Device Resolution Licensing
  - Split Subscription Distribution
  - Geo-location-based Licensing
- HTTP Segment-based Adaptive Bitrate Streaming
  - Support for highly segmented content
  - Support for bounded distribution + delivery time for live video
- Distribution Policy Management
  - Specification of content distribution policies
  - Support for independent refresh of distribution metadata and content

# Next Steps: Proposed use cases to be incorporated into cdni-use-cases

- “Geo-blocking” section
  - Expand to include temporal and resolution-based licensing
- “Device and Network Technology Extension” section
  - Expand to detail asymmetric distribution licensing scenarios between CDNs
  - Expand to include session shifting scenarios between different types of devices available through each CDN
  - Expand to include multiple subscription scenarios where a given user has different rights through each CDN
- “Resiliency” section
  - Expand to include live streaming failover scenarios
  - Expand to include live streaming bounded delivery

# Next Steps: Proposed enhancements to CDNI requirements

- CDNI Metadata Distribution Protocol Requirements
  - R58: “The CDNI Metadata Distribution protocol MUST allow signaling of content distribution control policies.”
    - enhance to include whitelists/blacklists of CDNs
- CDNI Request Routing Protocol Requirements
  - R36: “The CDNI Request-Routing protocol SHOULD support an optional mechanism enforcing a limit on the number of successive CDN redirections for a given request.”
    - enhance to include temporal limits
  - R38: “The CDNI Request-Routing protocol MAY also allow the Upstream CDN to convey information pointing to CDNI metadata associated with the requested content.”
    - enhance to include specifying sets of content that should be delegated together for optimized delivery