Case Study 3: Digital Asset Management System Migration
Case Study 3: Digital Asset Management (DAM)

High-level process
Application Requirements

- R1: Ingest
- R2: Metadata extraction
- R3: Renditions
- R4: Build the catalog
- R5: Enable rich search
- R6: Manage storage
- R7: Provide efficient delivery of media assets
Critical Requirements at Scale

- R2: Metadata extraction
- R3: Renditions
- R4: Build the catalog
- R5: Enable rich search
Motivation for Migration

- Multi-tenant MAD
- Digital Media Platform as a Service
DAM Architecture (on-premise deployment)
Concern: Increasing volume, variety, velocity and familiarity with platform

Selected pattern: MP2 (Cloudify)
Concern: Extended and rich structured and unstructured search

Selected pattern: MP3 (Optimize)
Migration Step 3

Concern: Refactor to enhance metadata extraction

Selected pattern: MP5 (Refactor)
Migration Step 4

Concern: Enable scalable rendition

Selected pattern: MP8 (Refactor+ Adaptation) MP3 (Optimization)
Migration Step 5

Concern: Cloud enabled rendition

Selected pattern: MP14 (Replacement + Adaptation)
Migration Step 6

Concern: Multitenancy

Selected pattern: MP15 (Multi-application)
Concern: High availability, resiliency

Selected pattern: MP11 (Multi-Cloud rebinding)
Concern: Security enhancement

Selected pattern: MP3 (Optimization)
## Migration Plan: DAM

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<th>Requirement</th>
<th>Chosen Patterns</th>
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<td>Increasing volume, variety, velocity and familiarity with platform</td>
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<td>Extended and rich structured and unstructured search</td>
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Benefits

Incremental, transparent migration
Business expansion
Hybrid deployment
Multi-tenant architecture
Elastic rendering
Media Platform as a Service
Security and Resilience