

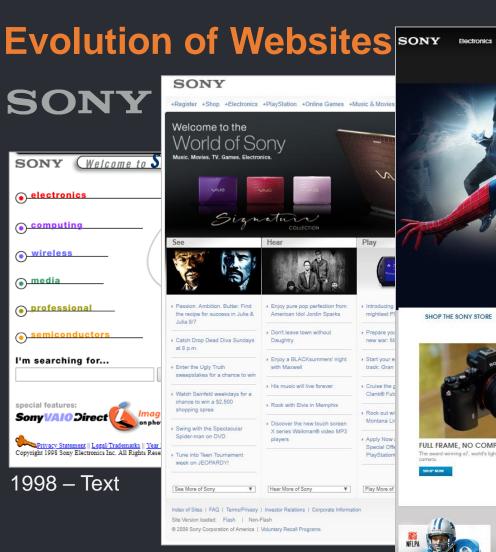


# **IMAGE MANAGER**

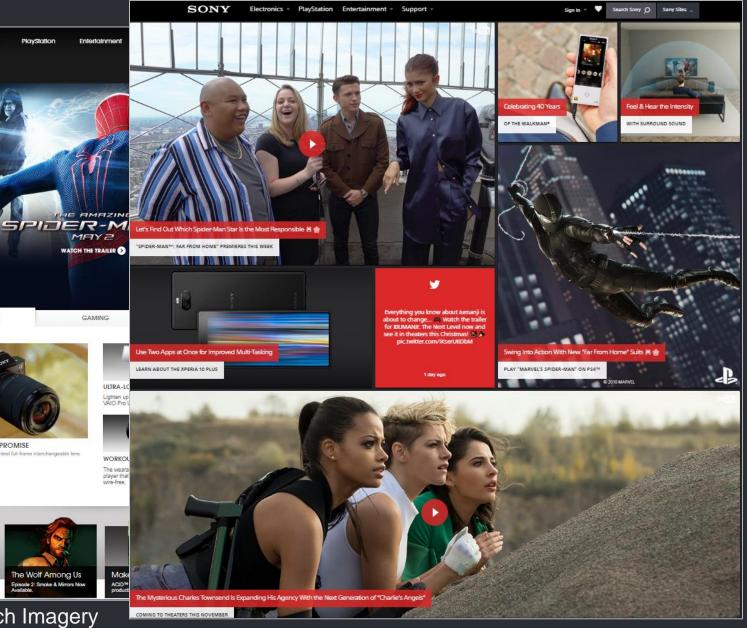
Image & Video Optimization







2009 – Text + Images



2014 – Rich Imagery

The Wolf Among Us

SHOP THE SONY STORE

FULL FRAME, NO COMPROMISE





#### Market Reality

# The Overweight Web

**OVER ONE YEAR** 

of websites got larger\*



Average page weight from images



Video mobile data growth



79% +

Low quality images and videos a reason not to buy



#3 reason



\*HTTPArchive via @katiehempenius. Alexa Top 10K Sites July '17 – '18

\*\* 2018 eMarketer, "Online Shoppers' Expectations for Visual Merchandising Rise Dramatically"



# **New Reality is Complex**

**Delivering Quality without Compromise** 

Page weight and Performance



- High demand for images and videos that boost engagement & UX
- Rich digital assets are heavy and can impact performance

Diversity in devices, browsers, and OS



- Many derivative versions needed for each asset
- Must consider device, OS, and browser-specific formats (JPEG 2000, JPEG XR, WebP, WebM/V9, H.265, etc.)
- Artistic transformations may be needed
- Too many assets to create, store, and manage

Logic to deliver the optimal size, format, & resolution

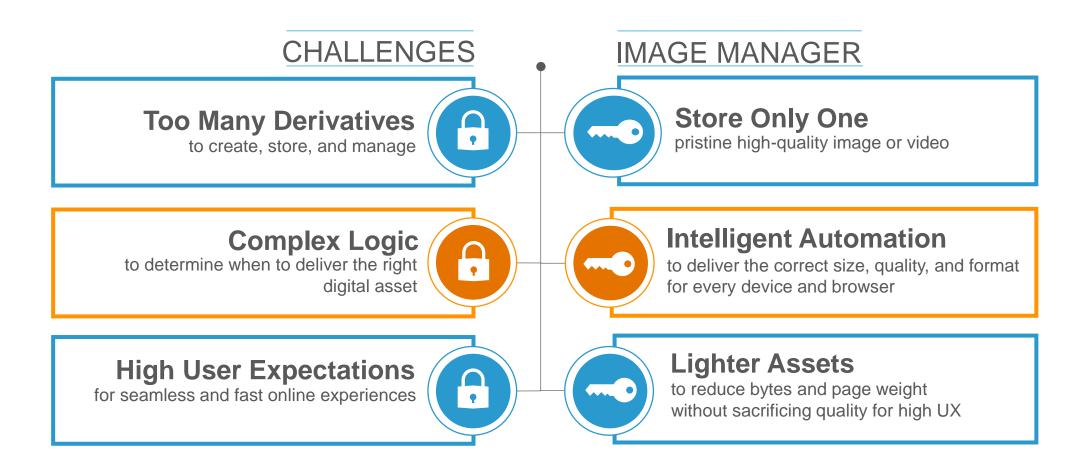


**Complex code** to determine when to deliver the right rendition to each and every end user



# Many Challenges, Single Solution

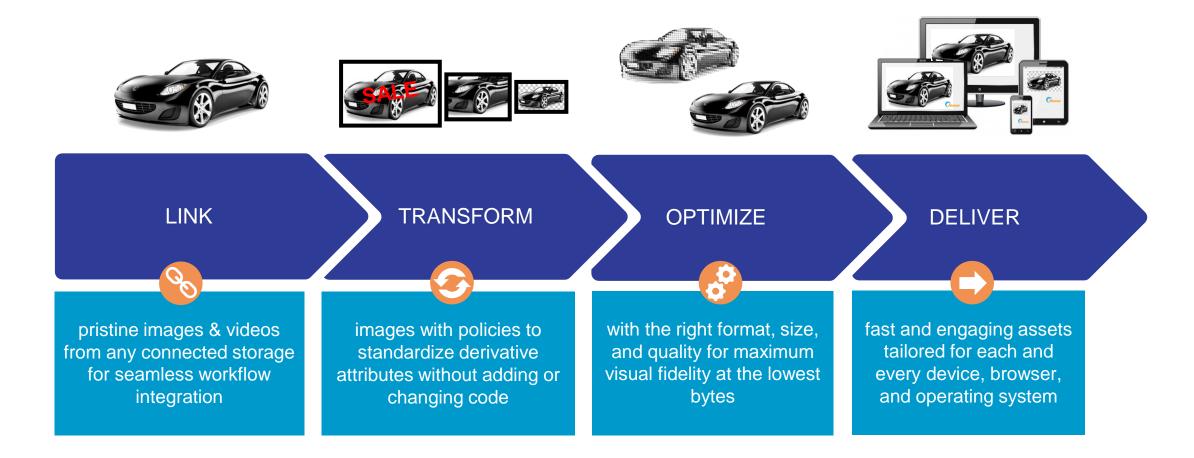
**Image Manager** 





# **Image Manager Workflow**

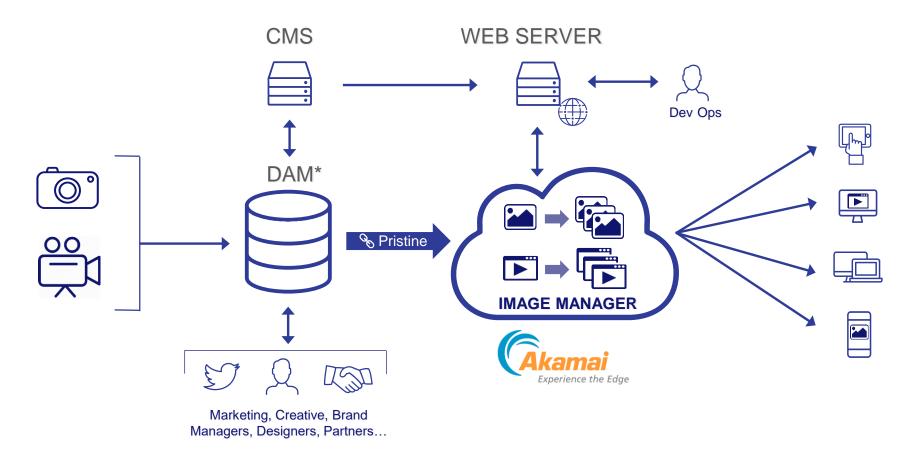
Automated Optimizations · Efficient Workflows · Faster Time-to-Market · Reduced Costs





### 1. Link pristine assets

Seamless Integration into Existing Workflows



Link pristine assets from any web-accessible storage location.

Image Manager is compatible with existing publishing workflows to give full control over digital assets and infrastructure decisions.

\*Digital Asset Management = Interface for asset creation, management, and storage



### 2. Transform

#### Artistic and visual control with minimal effort



#### Customizable policies

Dynamic transformations via policy variables

Video policies to adjust quality and resolution

Easy-to-use Policy Manager & APIs

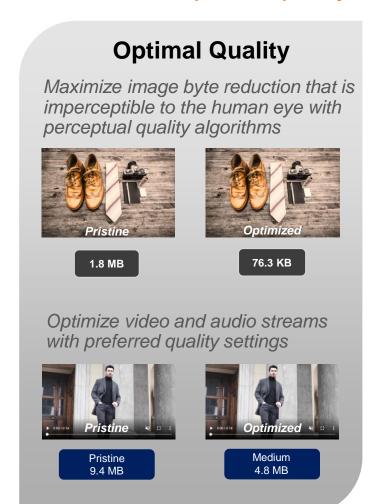
Artistic transformations (images only)

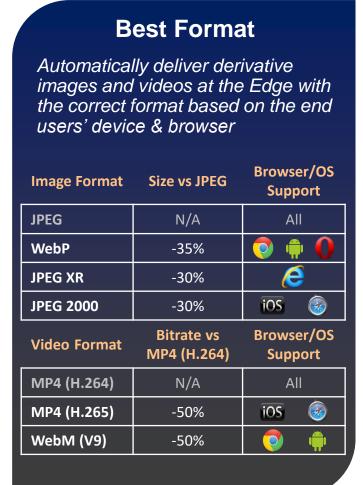
- Background color
- Facial recognition auto crop
- Region-of-interest crop
- Grayscale
- Watermark
- Scale, rotate, trim, crop, and more

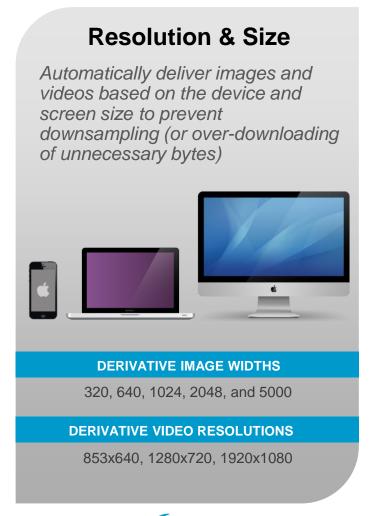


# 3. Optimize Images and Videos

Three levers for optimal quality & delivery

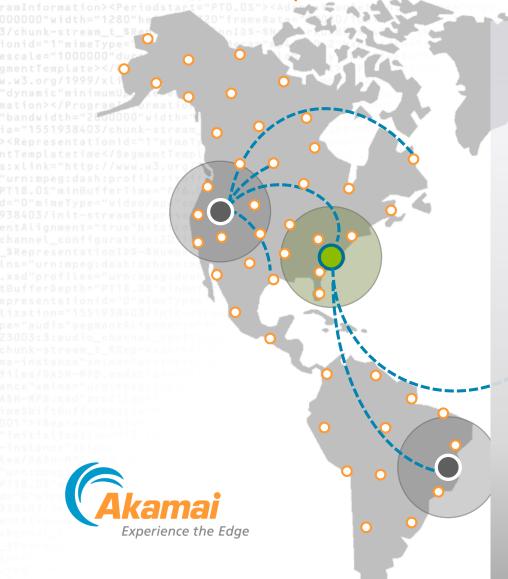






# 4. Deliver at the Edge

Rich Interactive Experiences at the Scale of Akamai



#### Enhanced caching architecture

- Full access to delivery controls (e.g., TTL, purge, etc.)
- Derivative assets closest to end users

#### Mobile Ready

- Auto-resize based on viewport width
- Prevent over-downloading bytes

#### Interactive Media Viewer

- Zoom, 360° view, and video enabled
- Responsive (mobile-aware)

#### Dashboard

 Gain insight into assets delivered, byte reduction, content type, and more

### **Key Benefits**

#### Empowering both Business and Operational stakeholders

#### **Business Benefits**

- Automatically create, modify, and publish derivative assets for faster time-to-market
- Provide consistent user experiences across a variety of devices and networks
- Reduce image and video weight for lighter and faster pages
- Align to mobile and responsive web design strategies
- Reduce the cost to store thousands of derivative assets.

#### Operational Efficiencies

- Eliminate manual processes with intelligent workflow automation
- Easily integrate without the need for code changes or asset migration/upload
- Flexibility to create custom policies via Policy Manager UI or query string parameters
- Automatically optimize assets with the highest visual fidelity at the lowest bytes



# **Questions?**



