

# aiWARE for Xcellis



## > DATASHEET

## Cognitive Analysis for On-Premise Content

Artificial intelligence (AI) is a significant advancement in content awareness and data management. The use of smart algorithms to mine information from existing media represents the next wave of content value maximization. While most AI services operate in the cloud, the world's largest content repositories are either too large or too private to upload to the cloud for processing.

Quantum has partnered with Veritone®, developer of the world's first AI operating system that orchestrates cognitive engines, to bring AI content analysis to locally stored data. This on-premise solution for AI processing and metadata mining optimizes performance, controls cost, and retains all the advantages and flexibility of cloud-based solutions.

**aiWARE™ for Xcellis®** is an appliance-deployed, on-premise and cloud solution designed for StorNext® environments. It provides a combination of containerized AI engines for execution on premise with access to cloud-based engines and applications for maximum flexibility.

Artificial intelligence is a relatively new discipline with a large landscape of companies developing specialized cognitive engines. New engines that provide significant improvements in speed, output quality, or value over previous versions continue to be released. By leveraging Veritone's ever-growing offerings and constant evaluation of new engines, aiWARE for Xcellis delivers access to best-of-breed choices for all types of engines now and in the future.

With aiWARE for Xcellis, companies can make the most of their content, automatically build valuable metadata, maximize their investment in media asset management (MAM) systems, and monetize content hidden deep in their libraries without uploading content to the cloud.

### THREE CONFIGURATION OPTIONS

Large content repositories can consume significant computational resources. aiWARE for Xcellis is available in three scaled-to-fit configurations.

- **aiWARE for Xcellis, Embedded:** For small repositories, aiWARE for Xcellis, Embedded provides an efficient virtual machine that executes in the Xcellis Dynamic Application Environment to leverage the converged architecture of Xcellis Workflow Director.
- **aiWARE for Xcellis, Standard:** Fits the needs of most organizations with less than a petabyte of content. This solution includes a dedicated processing appliance with aiWARE software preinstalled.
- **aiWARE for Xcellis, High Performance:** For organizations that create and retain multiple petabytes of content, this system provides greatly increased CPU cores and memory capacity.

## FEATURES & BENEFITS

### On-Premise Processing

aiWARE for Xcellis brings the content intelligence and advanced metadata mining capabilities of Veritone to on-premise content repositories. This addresses cloud-related storage latency, cost, or security requirements.

### Integrated Appliance

As an integrated solution, aiWARE for Xcellis is easy to deploy and configure. The appliances include the processing power and memory to fit the needs of the customer's workload.

### High Performance

By hosting AI engines in an on-premise appliance, aiWARE for Xcellis enhances processing performance of the AI engines and eliminates the time needed to upload content to the cloud.

### Low Cost

aiWARE for Xcellis offers a lower price for cognitive engine execution since the CPU cores used to process content are owned by the customer rather than rented on a job-by-job basis. Customers with large libraries will realize a significant savings over sending their content to the cloud.

### Access to Cloud Engines

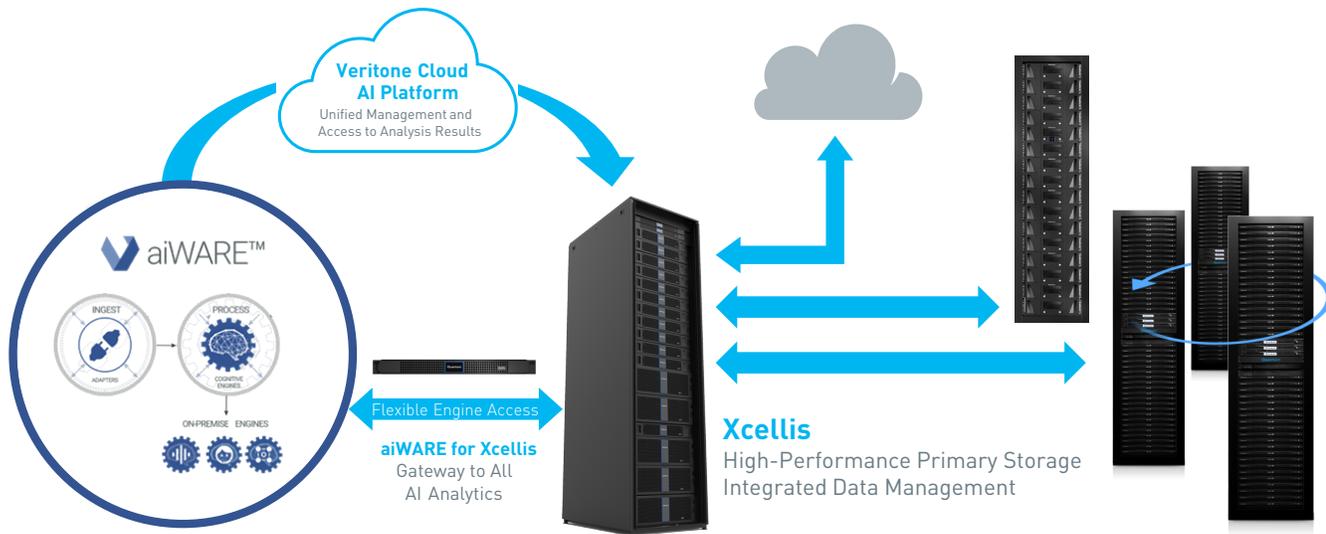
By leveraging Veritone's ongoing evaluation of the latest cognitive engines, aiWARE for Xcellis offers access to best-of-breed choices across the cognitive spectrum. And with core Veritone applications, every frame of video or second of audio can now be searched for objects, faces, voices, brands, sentiment, text, and more.

### Engine Orchestration

A single engine in any given class of cognition is often not sufficient to process and augment content efficiently or accurately. aiWARE for Xcellis includes Veritone's patented Conductor™ to orchestrate multiple engines to produce time-correlated metadata.

### Unified Web-based Interface

aiWARE for Xcellis provides an intuitive web interface to initiate and monitor jobs, regardless of the location of the engines—on premise or in the cloud. This allows customers to quickly and easily manage cognitive engine usage from a single screen.



- Actively interrogate data**
- Simple or Complex Events
  - Objects, Faces
  - Words
  - Sentiment

aiWARE for Xcellis is an integrated appliance for AI processing of on-premise content and directing the use of cognitive engines both in the appliance and in the cloud.

Feature	aiWARE for Xcellis, Embedded	aiWARE for Xcellis, Standard	aiWARE for Xcellis, High Performance
Processor Cores	2	12	44
Memory	16 GB	128 GB	384 GB
Appliance	Dynamic Application Environment VM	Xcellis Application Director	Xcellis Application Director
Operating System	CentOS 7 (VM)	CentOS 7	CentOS 7
AI Orchestration Software	aiWARE	aiWARE	aiWARE
Client License	StorNext 6	StorNext 6	StorNext 6



Veritone, Inc. is a leading artificial intelligence company that has developed the Veritone Platform, which unlocks the power of AI-based cognitive computing to transform and analyze unstructured public and private audio and video data for clients in the media, politics, legal, and law enforcement industries. The open platform integrates an ecosystem of best-of-breed cognitive engines and powerful applications, which are orchestrated together to reveal valuable, multivariate insights from users' data. To learn more about Veritone, please visit [Veritone.com](http://Veritone.com).

For more product information and to locate a reseller, visit [www.quantum.com/ai](http://www.quantum.com/ai).

**ABOUT QUANTUM**

Quantum is a leading expert in scale-out tiered storage, archive, and data protection, providing solutions for capturing, sharing, and preserving digital assets over the entire data lifecycle. From small businesses to major enterprises, more than 100,000 customers have trusted Quantum to address their most demanding data workflow challenges. Quantum's end-to-end, tiered storage foundation enables customers to maximize the value of their data by making it accessible whenever and wherever needed, retaining it indefinitely and reducing total cost and complexity. See how at [www.quantum.com/customerstories](http://www.quantum.com/customerstories).

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