Agility 2G

Enterprise-class On-demand Video Production and Management

Now, more than ever, media companies have a great opportunity to drive additional revenue from online and on-demand syndication of video. However, this opportunity comes with great operational challenges, particularly as the number and diversity of outlets increase. Agility 2G was built to meet the demands of the rapidly changing video industry, and over the past decade it has become the preferred on-demand video production and management solution for more than 700 leading media companies.

Agility 2G offers even greater scale and flexibility to handle the ever-increasing demand for high-quality, high-volume throughput. Agility 2G provides the reliability you need to tackle the latest requirements in premium, on-the-spot production across multiple distribution outlets, and it integrates seamlessly with your existing systems, making it easy to deploy.

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Agility 2G enables you to:

- Produce and publish from any video source to any outlet
- Automate and customize outlet-sensitive media enhancements
- Utilize the fullest range of advanced, enterprise-quality production technology
- Ensure reliability and unmatched performance and scalability
- Deploy quickly and integrate seamlessly with existing systems

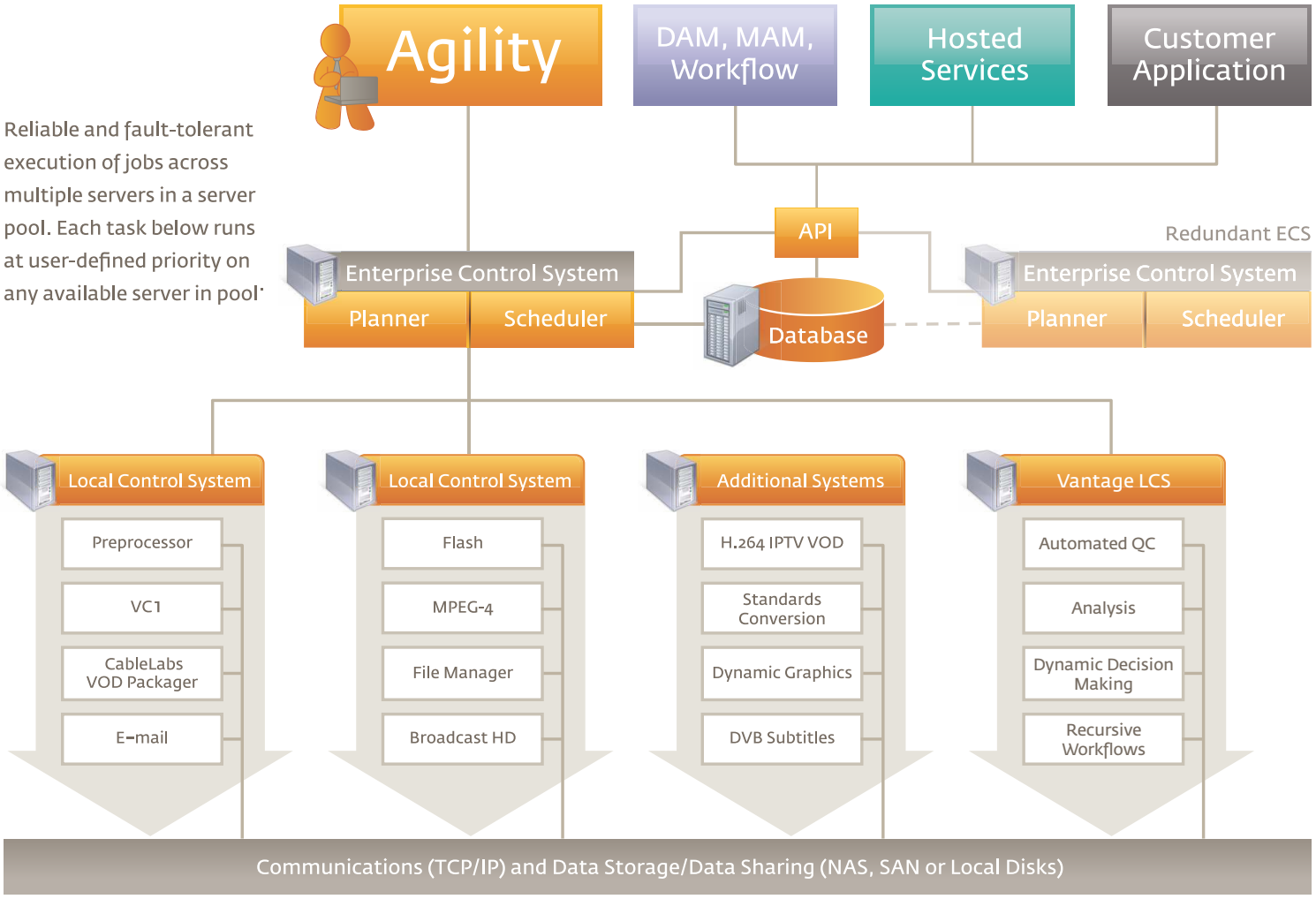

Figure 1. New and Improved Agility2G Architecture: Optimized for Reliability and Scalability

Produce & Publish From Any Video Source to Any Outlet

Agility 2G supports input from any production or post-production source (e.g., live, tape, file-based), and a greater range of ingestion and output formats than any other system available. Many input file formats are supported and standard output file formats include *MPEG, H.264, Silverlight, Windows Media, MPEG-2* and *Flash*, as well as the following application-specific formats and workflows (See Table 1). Live input sources include analog, SDI and HD-SDI with discrete and embedded audio.

Input	Output
Live (tape, HD/SDI, IP-UDP/RTP)	Broadcast Servers with ancillary metadata (SD/HD)
Broadcast Server native (SD/HD)	Cable Labs VOD Transport streams (SD/HD)
Camera formats (SD/HD)	IPTV H.264 Transport streams (SD/HD)
Non-Linear Editor (Avid/Apple)	Broadband VOD and adaptive streaming formats
Transport streams	Mobile 3GPP
	Live Broadband Streaming

Table 1: Application-Specific Formats and Workflows Supported by Agility 2G

Utilize the Fullest Range of Advanced Enterprise-Quality Production Technology

With automated editing and content assembly, you can customize out-of-box production workflows to meet any requirements. In addition, Agility 2G comes with best-in-class video and audio pre-processing technology, making it the most powerful production tool on the market.

Enterprise-Quality Monitoring for “Lights Out” Operation

The administrative features in Agility 2G enable you to determine the health of your system at any time with access to logs, status events, errors and user interaction statistics. Agility 2G enables you to virtually eliminate downtime. The logging system integrates with custom monitoring applications, and can be configured to report via multiple systems including database, e-mail, TCP or UDP, cell phone and SNMP systems.

Best-in-Class Video and Audio Pre-Processing Technology

Whether it is displayed on a large or small screen, your video is at its best with Agility 2G. Advanced video production features include noise reduction filters, motion compensation, image cropping and resizing, color correction and more. Agility 2G maximizes image and audio quality at all target bitrates. Advanced multi-channel audio (including Dolby E, 24 bit, 5.1 surround sound, audio filtering) and ITU-R Rec. BS.1770 two-pass normalization and compression ensure that you meet quality requirements whether you are producing output for a home theater or a cell phone.

Automate & Customize Outlet-Specific Media Enhancements

Agility 2G offers the most complete range of value-added production features in the market for customizing media to meet outlet-specific distribution requirements. The SDK, advanced API and Flash authoring environments for graphics are coupled with metadata-driven automation to allow the maximum amount of customization with minimal manual effort.

These enhancements include:

- Dynamic and Programmable Overlays
- Dolby E Decoding
- Motion Compensated Standards Conversion
- Forensic Watermarking
- HD VANC Ancillary Metadata Propagation
- VOD and IPTV Compliance

Ensure Reliability & Unmatched Performance and Scalability

Agility 2G achieves a market-leading level of throughput capacity with the newly integrated stateless Enterprise Control System (ECS) for uninterrupted operation even during system hardware failures. This architecture dynamically redistributes jobs or tasks on a network of servers for optimal processing and automatic fail-over in the event of pauses, delays or restarts.

With Agility 2G you can:

- Achieve maximum throughput and minimum latency with automatic reconfiguration of jobs and tasks
- Reduce congestion of storage networks and further increase throughput with single decode/multiple encode processing
- Increase throughput of media that is slow to process (e.g., HD, *Flash*, *H.264*) via grid processing, temporarily distributing various transcoding tasks across the network
- Ensure maximum resource utilization with floating licenses and unlimited concurrent tasks
- Virtually eliminate downtime with redundant ECS, stateless management, auto job fail-over recovery and task rescheduling

Deploy Quickly & Integrate Seamlessly with Existing Systems

Agility 2G features a Web-based UI, including support for XML and standard database integration, enabling rapid deployment, UI configuration and custom reporting. You can achieve maximum flexibility with a service-oriented Web-based API, and control and manage workflows directly, or through other enterprise applications such as asset management systems.

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