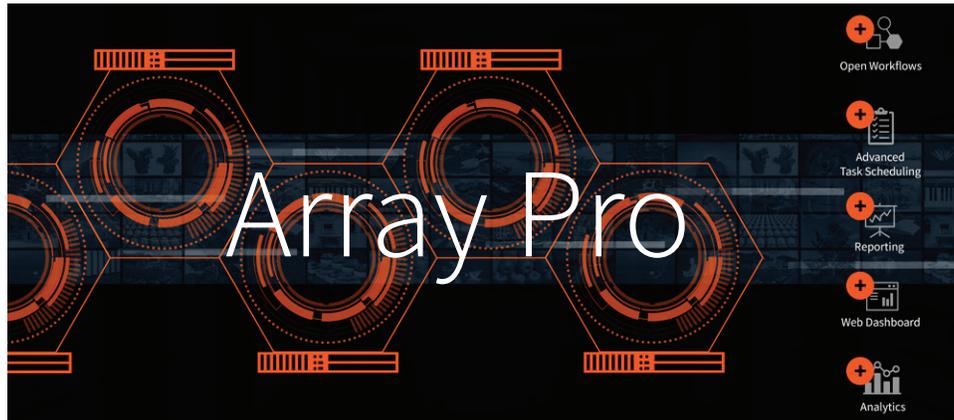


Vantage Array Pro

Product Sheet



Premium optimization and management of your Vantage Array

Telestream Vantage® Array Pro adds Job Reporting, Workflow Analytics, Open Workflows, Advanced Task Scheduling and a Web Dashboard for tuning and monitoring your Vantage server array.

Telestream Vantage® Array Pro enhances the Vantage Domain with a suite of additional power features for tuning and monitoring your high-throughput media transformation factory:

- **Job Reporting:** Generates automatic or manual job spreadsheet reports. These reports can be easily configured to report job details, execution metrics, advanced media analysis properties, metadata, or any other data contained inside a Vantage workflow.
- **Workflow Analytics:** Provides an interactive interface for generating insightful workflow analytics, including execution time analysis, bottleneck identification, utilization metrics, and more.
- **Open Workflow Execution:** Increases processing speed of many Vantage workflows by enabling most actions to begin processing before the previous action has completed. This can drastically increase the efficiency of multistep workflows, particularly those involving the intermediate processing.
- **Advanced Task Scheduling:** Augments the capabilities of Vantage load-balancing by adding resource management rules for any underlying resource such as compute, storage access, network bandwidth, third party licenses.
- **Web Dashboard:** Provides administrators with remote visibility into overall system health and job status with an easy-to-use web interface. This interface can be used as a control room heads-up display or by individual supervisors to monitor the Vantage domain.

Note: you can read about the standard Vantage Array product here: <http://www.telestream.net/pdfs/datasheets/dat-Vantage-Array.pdf>



Open Workflow Execution

Open Workflows enhance the processing speed of Vantage workflows by enabling many Actions to begin processing *before* the previous Action has completed. Specifically, Open Workflows are designed to remove the inherent latency that exists between Actions in a Vantage workflow. For example, during a Watch Action, a Copy Action can begin to localize the content as it is received and not have to wait for the entire file to be received.

By reducing the latency between Actions in a workflow, more jobs can be submitted to the domain in the same period of time, providing greater utilization of Vantage nodes and faster job completion.

Features and benefits of using Open Workflows include:

- Reduce the time it takes to make content available to your customers.

Open Workflows are a must when getting content on-air as fast as possible. By eliminating the latency between Actions, Open Workflows enable News, Sports and other time-sensitive media workflows to make content available to your customers faster.

- Process more workflow jobs in a domain with existing resources.

With Open Workflows reducing the elapsed time of the job, more workflows can be submitted to the same Vantage domain. This provides a much better utilization of existing resources, since more workflows can be completed with the same server hardware.

Advanced Task Scheduling

Advanced Task Scheduling augments the capabilities of Vantage load-balancing by adding resource management rules for underlying resources such as compute, storage access, network bandwidth, and third-party licenses. It not only provides the ability to balance workload across servers in a Vantage Array, but also *across services*.

All media processing tasks are not equal, and CPU time can be wasted by traditional queue-based load balancing. Workflows with mixed video processing requirements and fluctuating media loads require task allocation that is not only aware of which servers are available, but also the nature of the tasks being assigned.

For example, Task Based load balancing allows you to balance the workload between CPU intensive Actions such as a Flip Action, a Multiscreen Action, an IPTV Action and an Analyze Action.

Each Action is managed separately by a Vantage service—yet Task Based load balancing allows for tuning of the execution to maximize server utilization and minimize processing time. Task Based load balancing uses the concept of *Capacity* for the servers (or entire Vantage Array) and *Cost* for the Actions that need to be processed. *Rules* are created to define Capacity or Cost—and are assigned at a default level for all servers and services respectively. Additionally, the default Cost assigned to an Action can be overridden within the Workflow that utilizes the Action.

Not only can Rules be created to control the balancing of Actions across services, but can also be created to control access to physical characteristics of a Vantage Array.

Access to a storage sub-system can also be controlled through Task Based load balancing to ensure that the storage sub-system is not oversaturated with too many processes. Likewise, if you need to send files via FTP to a remote server, and the remote server only allows a single FTP connection, then Rules defined in Task Based load balancing allow this to be accomplished.

Job Reporting

With Array Pro, you can generate automatic or manual job spreadsheet reports. These reports can be easily configured to report job details, execution metrics, advanced media analysis properties, metadata, or any other data contained inside a Vantage workflow.

- These reports capitalize on Vantages superior workflow variable system, providing insightful information on the rich data set.
- They can automate the otherwise cumbersome task of producing usage reports.
- The CSV files produced can be used as-is, or the raw data can be further processed and refined with Excel.

Workflow Analytics

This feature provides an interactive interface for generating insightful workflow analytics, including execution time analysis, bottleneck identification, utilization metrics, and more.

- These analytics help you design better, more efficient, workflows.
- They provide granular data about action usage, and more general data about workflow usage.
- With zero configuration required, analytics can be run on any workflow—at any time.

Web Dashboard

Provides administrators with remote visibility into overall system health and job status with an easy-to-use web interface. This interface can be used as a control room heads-up display or by individual supervisors to monitor the Vantage domain.

- Provides a high-level view of all jobs in the system.
- Shows metrics about workflow success rates, highlighting any potentially high failure rates.
- Web Dashboard can be used from any modern browser.

Best in class customer support

You can rest assured that our highly-skilled technical team will be available to provide the quick and comprehensive support and guidance you need to fully leverage the power of your Telestream product.

