

# Enterprise-class, rock-solid reliability and scalability

Extend the power of your Factory system from a single server to an array of servers working together

**Telestream FactoryArray™** extends the power of any FlipFactory, TrafficManager, NewsManager or AdManager system from a single server to an array of servers working together to process jobs in the most efficient and secure manner possible.

As file-based workflows become increasingly demanding, large-scale content providers and distributors cannot afford interruptions in their critical workflow environments. This is especially true in mission-critical commercial workflows, time critical news workflows, and high-volume content repurposing environments. So much content is moving through these facilities that any workflow interruptions would cause serious delays.

**Telestream FactoryArray™** ensures continuous, 24/7 job processing in these critical environments. It extends the power of any FlipFactory, TrafficManager, NewsManager or AdManager system from a single server to an array of servers working together to process jobs in the most efficient and secure manner possible.

Intelligent load-balancing distributes jobs across servers for reliable, high-volume output. Auto-failover protection ensures that if any one server should fail,

unfinished jobs will be resubmitted to one of the remaining machines so that jobs are processed without interruption. Database mirroring backs up job workflow information on a separate server and provides automatic recovery mechanisms for all workflows.

### No single point of failure

The array can be scaled from two to as many servers as you need to meet your workflow throughput requirements. Distributed control across redundant servers ensures there is no single point of failure in Factory Array that will ever bring your system down. If any machine goes down, the system automatically recovers and keeps running.

### How it works

FactoryArray is a collection of Factory servers that all communicate with each other across a network. Jobs are targeted at those servers which can process them and servers work together to ensure maximum system throughput. Highly configurable workflow design allows you to dedicate servers to specialized tasks and dedicate processing power to high-priority workflows. Set up factories once for consistent, high-quality output results every time.

### 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.

### These important elements ensure 24/7 uptime and job protection:

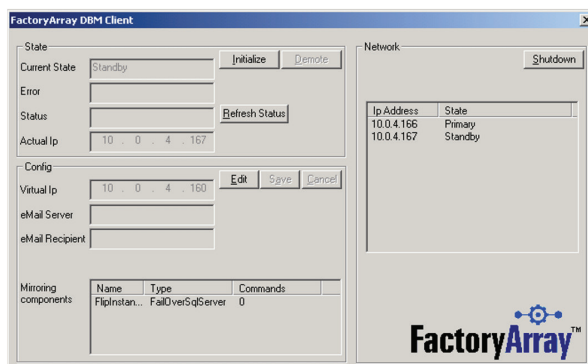
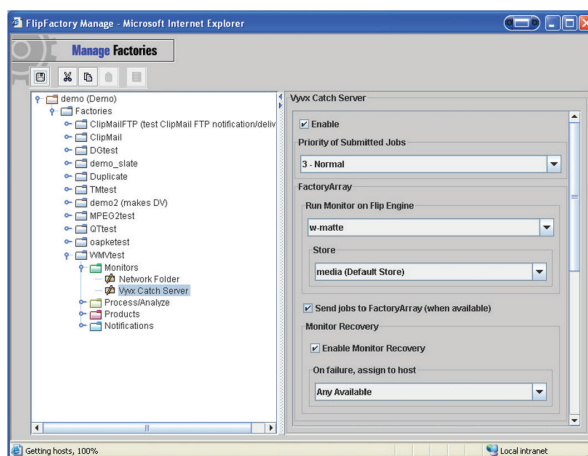
#### ■ Load Balancing

Jobs submitted to the array, either manually or through a monitor, are processed on the first Factory server to have an open slot in its incoming queue. Subsequent jobs will go to the Factory server that has the next open slot in its queue.

Jobs can be prioritized so that a higher priority job coming in will advance to the head of the queue for processing. Each monitor within a Factory server can be configured to join the array.

#### ■ Failover Management

Factory servers within an array are in constant communication with each other, monitoring each other's health. Should one of the Factory servers within the array fail, it is removed from the database so that no jobs can be assigned to it. An error message is sent to the System Administrator to alert him/her of the failure. Monitors on the failed machine are taken over by one of the remaining servers in the array and processing continues. Any unfinished jobs are resubmitted to one of the remaining servers for processing.



#### ■ Database Mirroring

The Factory system database and its mirrored counterpart can be hosted locally or remotely to the array. Upon system startup, one of the two database servers assumes the function of Primary database. The other becomes the Secondary. The virtual IP address used by all Factory servers in the Array ensures that the servers are unaware of which database is Primary and which is Secondary. It also ensures that the Factory servers continue to operate regardless of the Primary database's status.

Primary and Secondary databases are kept in lock-step by having the Primary database automatically duplicate any changes to the Secondary database. Should the Primary database fail, the Secondary immediately assumes the Primary role and notifies the System Administrator of the failure. Once the Primary server is restored, it is updated by the Secondary so that it is once again in lock-step.

#### ■ Shared Storage

FactoryArray works most effectively when set up with a shared storage system, either NAS or SAN. We recommend a high-speed shared SAN. For some specific examples of shared storage with FlipFactory, please see our solution briefs:

EMC: Celerra Multi-Path File System (MPFS) with  
Telestream TrafficManager

Rorke Data: Galaxy Fibre RAID and FlipFactory

#### Job Status Display and Monitoring

Each Factory server in the array displays the status of all jobs in the array through the system status window. Job status can be monitored via a remote connection to the Factory server. The status of the database can be monitored from the Database Mirroring Client window.

*Please refer to individual FlipFactory, TrafficManager, NewsManager and AdManager product sheets for technical specifications. Contact Telestream for ordering information.*

