



# Performance Accelerator

Optimized enterprise-class local streaming

Increasingly, organizations need to provide access to live and archived webcasts for internal viewers - meetings, trainings, events, and more. But as user traffic increases, network speed and reliability can be compromised. The Granicus Performance Accelerator is a software module that supports large volumes of internal streaming media requests for government organizations without straining internet bandwidth.

- Eliminate buffering and internal bandwidth constraints
- Enterprise-class local storage and redundant backups
- Distribute internal streams from the most logical network location
- Support intelligent routing and multiple Encoding Appliances

## Unlimited storage & redundancy

Get unlimited storage of all meeting and non-meeting content. Granicus securely stores media on the organization's local network, behind the firewall, while backing up identical content to its data centers. All media is redundantly stored to ensure the highest levels of retention and availability.

## Intelligent Routing

Granicus data centers automatically route live and on-demand internal and external media request to provide the best experience for each viewer. Internal viewer requests are directed to the Performance Accelerator on the network. External viewer requests, like residents watching at home, receive the streams directly from Granicus data centers.

## Performance Accelerator

Performance Accelerator is an extension of the Granicus Platform and Encoding Appliance. The Encoding Appliance accommodates a maximum of 50 concurrent live on-demand internal streams; Performance Accelerator allows for a virtually unlimited number of internal viewers. Plus, with Granicus-provided hardware it offers twice the amount of local storage as the Encoding Appliance.

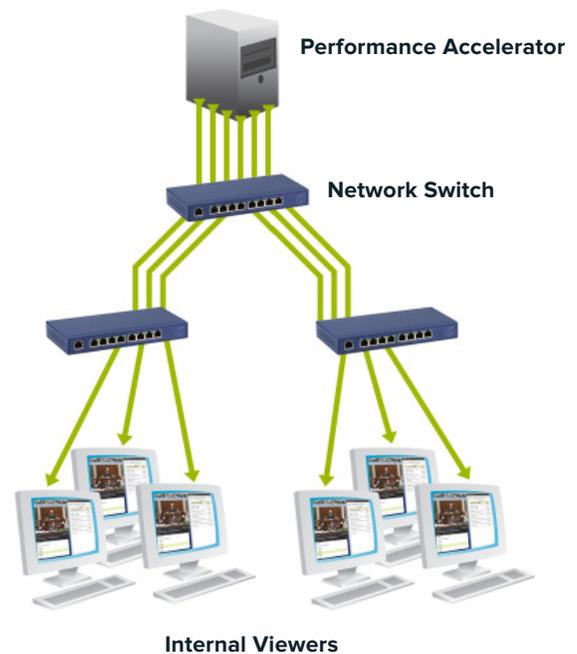
This software module routes internal streams to the most logical network location, usually the network core. It also supports stream distribution from multiple Encoding Appliances and installation on Granicus or client-provided hardware or a virtual environment.

## Streaming Methods

Granicus can help determine the streaming method that is the best fit for a customer's network configuration and budgetary needs.

### Unicast

Unicast distribution receives a single stream for each internal viewer directly from the Performance Accelerator. Bandwidth utilization is calculated by taking the bit rate of the stream multiplied by the anticipated number of streams. Thus, 100 concurrent streams at 650Kbps equals 65Mbps of network traffic.



### Granicus-Provided Hardware Specifications

Storage	2 1TB hard drives (RAID 1)
Memory	4GB (2x2GB)
Power	Redundant, 500W PSU
Warranty	3 year manufacturer 5 year extended (optional)

### Client-Provided Hardware Specifications

OS	Windows 2008
Processor	2Ghz Dual Core or better
Storage	2 1TB hard drives (RAID 1)
Memory	4GB (2x2GB)

## Installation Options

Granicus allows customers to choose the best hardware installation for their environment. Performance Accelerator can be installed on Granicus-provided managed hardware, customer-provided hardware or on virtual machines. Each installation can be configured to support Unicast distribution.

### Granicus-Provided Hardware

Granicus' hardware comes pre-configured with the Granicus Performance Accelerator software and installed with the latest Windows updates. The Granicus Customer Care team is available 24x7 and provides proactive systems monitoring to catch any problems before they arise. Each device is equipped with 1TB of local storage, or roughly 2,000 hours of media content at standard bit rates.

### Client-Provided Hardware

Customers may supply their own hardware for the Performance Accelerator. Machines must meet specific minimum requirements in order to successfully install and run the software.

### Virtual Machines

Performance Accelerator will operate on a virtual server that meets specific minimum requirements.

### Storage

Content storage must be drive letter accessible. SAN/NAS or Fiber Channel Array is acceptable.