GRANICUS

CASE STUDY

How Granicus Powers Hybrid, Government-Grade Video Streaming at Scale with Wowza

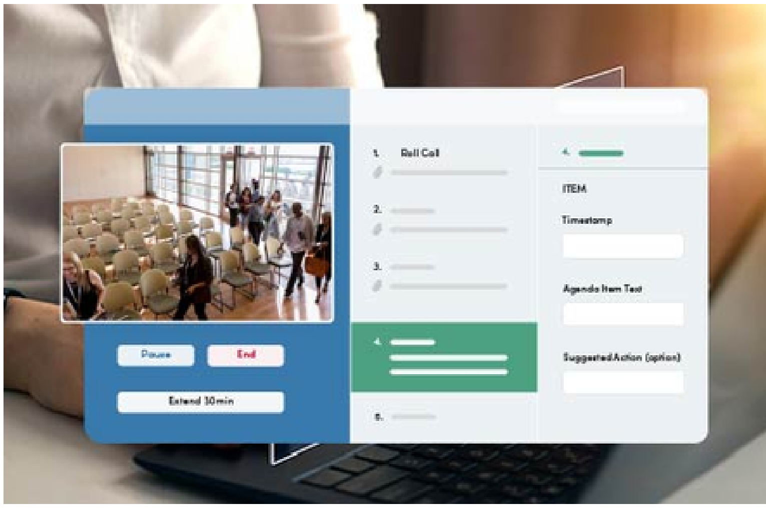
WOWZA

WOWZA

CASE STUDY: Granicus

How Granicus Powers Hybrid, Government-Grade Video Streaming at Scale with Wowza

Nearly 70 cloud Wowza instances and 100+ on-prem deployments support Granicus' meeting video infrastructure



Granicus helps governments bring public meetings, services, and communications closer to the communities they serve. Supporting over 7,000 public-sector organizations, Granicus' platform is built to improve transparency, streamline operations, and expand access across digital channels.

For Granicus, video is a core part of that mission. Their infrastructure has to support a wide mix of customer environments, including on-prem deployments in government facilities and centralized cloud streaming for distribution and archiving. Wowza has been part of Granicus' video stack for nearly 16 years, enabling them to standardize streaming workflows across cloud and on-prem footprints while keeping flexibility for evolving needs like autoscaling archive playback.

FLEXIBILITY

Supports both cloud and on-prem workflows so Granicus can meet agencies where they are.

CONTROL

Helps Granicus manage ingest, restreaming, and distribution patterns (including CDN pull workflows) with consistent operations.

SCALABILITY

Runs across dozens of instances to handle large, multi-tenant streaming and archive demand.

GOALS

- Deliver reliable live and on-demand government meeting video across diverse customer environments.
- Maintain a consistent, secure, multi-tenant architecture as deployments scale across many agencies.
- Simplify distribution workflows to CDNs while reducing operational overhead.
- Optimize archive playback infrastructure with containerization and autoscaling to match real-world demand.

RESULTS

- Hybrid architecture with Granicus-managed cloud Wowza servers and customer on-prem deployments feeding centralized distribution.
- CDN pull workflow simplifies large-scale delivery.
- ~70 cloud and 100+ on-prem instances provide broad agency coverage.
- Archive workflow routes VOD from Amazon S3 through Wowza to CloudFront, laying groundwork for autoscaling.

WOWZA

THE STORY

Granicus is a trusted partner to governments focused on transparency, accessibility, and engagement. Their platform supports thousands of public-sector organizations and includes meeting and agenda management capabilities that help communities stay connected with government, including high-volume video activity across the ecosystem.

To support that mission at scale, Granicus has built video infrastructure that can flex between two realities: centralized cloud delivery and customer-managed on-prem deployments. Some government customers require on-prem systems for operational, policy, or environmental reasons, while others depend on Granicus' cloud platform for a more managed experience. Granicus' DevOps teams manage cloud-based Wowza servers, while support and implementation teams oversee on-prem deployments with help from engineering.

Wowza plays a key role in both models. On the customer side, on-prem Wowza deployments ingest streams locally and forward them into Granicus' cloud infrastructure. From there, Granicus can standardize how streams are restreamed and distributed, keeping the viewing experience consistent even when ingest environments vary widely across agencies.

On the cloud side, Granicus uses Wowza to support their distribution model, including a pull-based CDN workflow. Instead of pushing streams outward in many different configurations, Granicus can structure streams in a consistent way so CDNs pull what they need using predictable application and stream naming conventions. **This approach reduces friction for operating large numbers of streams and simplifies scaling patterns as new agencies come online.**

Video archiving is another major part of the Granicus experience. Granicus stores video files in Amazon S3 and uses Wowza as an intermediary layer between the storage tier and Amazon CloudFront for delivery. Today, that archive tier runs across multiple Wowza instances, ensuring playback stays responsive and reliable for users accessing recordings on demand.

Now, Granicus is exploring the next evolution of that archive layer: containerization and autoscaling. The goal is to avoid running a fixed number of archive instances 24/7, and instead scale capacity up or down based on real viewer demand. Granicus is evaluating paths like running Wowza on Kubernetes (EKS) to support that elasticity, with an eye toward maintaining performance while improving operational efficiency.

> **WOWZA HAS BEEN A FOUNDATIONAL PART OF OUR VIDEO INFRASTRUCTURE FOR YEARS.** IT GIVES US THE FLEXIBILITY TO SUPPORT BOTH ON-PREM AND CLOUD WORKFLOWS, AND THE OPERATIONAL CONTROL WE NEED TO DELIVER RELIABLE MEETING VIDEO AT SCALE.
>
> **JASON ROSE, DIRECTOR OF DEVOPS AT GRANICUS**

FIND OUT HOW OTHERS ARE UNLOCKING THE VALUE OF VIDEO

WOWZA.COM