



Optimal Media Archive with Viz One and BlackPearl

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Spectra's BlackPearl® Converged Storage System enables Viz One to archive ever growing media at virtually no cost, while utilizing a hybrid cloud architecture, object storage and LTFS.

Benefits

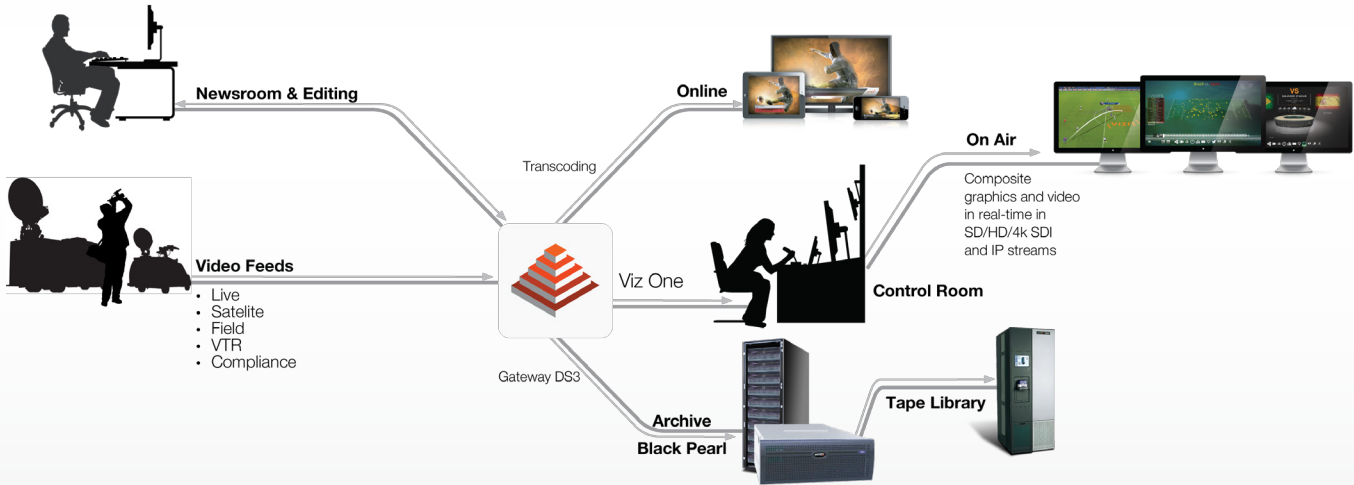
- Store, preview, restore, delete & monitor progress
- Plug and play model
- Low cost scaling
- No application level dependencies

How does it work?

Deep and multilevel integration of BlackPearl and Viz One offer unprecedented media turnaround efficiency and resource utilization. BlackPearl automatically archives to deep storage disk and/or tape both easily and affordably, while being able to scale to Exabytes of data.

How does BlackPearl fit into the Viz One workflow?

The Viz One client tightly integrates BlackPearl and its' policy-driven media tiering to archive and restore to multi-tiers of disk and tape libraries, enabling a single unified interface for searching, browsing and editing assets. The system automatically moves media to any number of storage mediums based on rules and policies optimized for production and archiving in broadcast environments. This overall solution provides a much simpler workflow with less congestion on the network and greater overall efficiencies.



BlackPearl Features

- Enables short and long form archive in one system
- Full File Restore
- Partial File Restore (PFR)
- Non-disruptive data migration*
- Automatic tape repack* (space reclamation)
- Supports LTO and Enterprise Tape Technologies
- Transparent Caching
- Manage externalized tapes via BlackPearl GUI
- Data management policies (Advanced Bucket Management)
- Data retention policies
 - Multiple copies
 - Supports SAS & SMR for nearline & archive disk
 - Remote copy

*Roadmap features

BlackPearl System Specifications

- Seamless scaling
 - Enterprise disk: up to 6PB of nearline in a single rack
 - Archive disk: up to 7.1PB in a single rack
 - Spectra Tape library support: T50e through TFinity
- Performance - Up to 3GB/sec
- Database - 50 million to 1 billion objects
- Drives and media - LTO, TS11XX
- Phone home support

System Requirements



Basic Setup

A BlackPearl must be configured and available for network communications within Viz One. The BlackPearl hostname, access key, and security key must be set up for the plugin. The Spectra Logic Viz One plugin requires BlackPearl 3.0.1 or later.



Requirements

Minimum requirements are Viz One 5.11 or later, Viz One BlackPearl Client, and Spectra Logic permanent storage target - Online Disk, ArcriveBlue and/or Tape Library.

- BlackPearl host name or IP address
- BlackPearl port
- Access ID
- Secret key
- Bucket name

The screenshot displays the Spectra Logic software interface. The top section shows a list of transfers with a progress bar for 'Send clock-revision' at 66%. Below this, a detailed view of the transfer is shown, including a video player with a clock image and metadata. The bottom section shows a table of transfer details.

| Description | Status | Created | Owner | Priority | Id |
|---------------------|--------|----------|-------|----------|-----|
| Send clock-revision | → 66% | 11:26 AM | admin | 1000 | 263 |

| Source | Destination | Transfer Speed | Status | Method | Id |
|---|--|----------------|--------|--------|-----|
| V1-SSJ Video HR (v1-ssj.vizrt.internal) | Spectra Logic Black Pearl (spectralogic) | 8.1xRT | 66% | s3 | 241 |

| Filename | Location | Size | Updated |
|----------------------|---------------------------|--------|----------|
| clock-revision.mxf | V1-SSJ Video HR | 860 MB | 11:22 AM |
| clock-revision.mxf | Spectra Logic Black Pearl | 860 MB | 11:26 AM |
| clock-revision.mp4 | V1-SSJ Video LR | 23 MB | 11:22 AM |
| clock-revision_1.mp2 | V1-SSJ Audio LR | 2 MB | 11:22 AM |
| clock-revision_2.mp2 | V1-SSJ Audio LR | 2 MB | 11:22 AM |

Plugin

Viz One BlackPearl Connector is easily installed via the Vizrt software package manager. To get Viz One BlackPearl Client: Contact your local Vizrt sales rep or email: orange@vizrt.com. Product support is available 24/7 via Vizrt's support team.