



# NL Technology and BlackPearl Archive Solution for Avid

## NLT Archive and BlackPearl for Avid Workflows

Spectra's BlackPearl® Converged Storage System and NLT Archive provide a seamless integration with Avid Interplay Production workflows - enabling a user-friendly archive for any number of standard camera formats. Assets can be stored on cost effective disk, tape and/or cloud in a highly scalable model that eliminates costs and complexities commonly associated with traditional archive solutions.

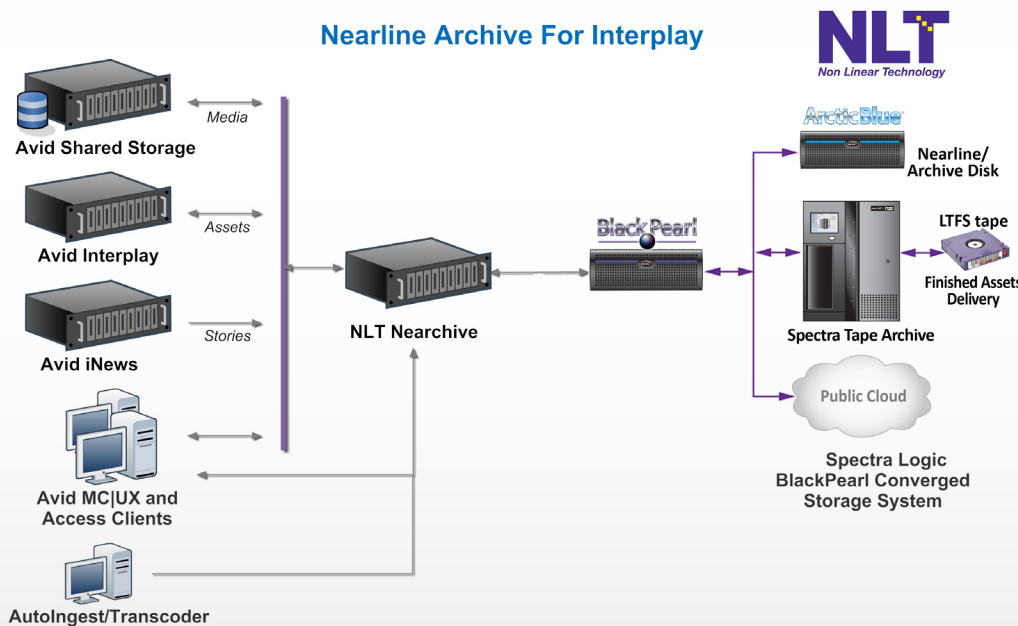
### Solution Highlights

- Plug and play solution
- Provides lowest cost TCO
- Streamlines Avid Interplay Production workflows
- MediaCentral Certified
- Local browse, search, restore and playback

### How do NLT Archive and BlackPearl fit into the Avid Workflow?

NLT Archive and BlackPearl have joined award-winning forces to provide Avid Interplay Production users a seamless workflow from ingest to archive. Content is easily ingested into Interplay for workgroup access. Sequences and master clips are then moved to the BlackPearl Converged Storage System at anytime - prior, during or after production; a viewable proxy and associated metadata remain in the Interplay database for later reference.

Archiving with BlackPearl is completely intuitive to Avid users, with NO new tools to learn. Assets are easily retrieved from the archive using Avid's search and browse tools which are fully integrated within the MediaCentral Platform, then simply right-click...



### BlackPearl System Specifications

- Performance
  - 300 MB/sec to 3 GigB/sec
- Database
  - 50 million to 1 billion objects
- Spectra tape library support: T50e through TFinity ExaScale
- Drives and media – LTO, TS11XX
- Phone home support
- Seamless scaling
  - Nearline disk: up to 4.2PB of enterprise in a single rack
  - Archive disk: up to 6.1PB in a single rack
  - LTO 1 to 144 drives, and up to 56,230 slots, 337PB native (TFinity ExaScale)
  - TS11XX up to 144 drives, and up to 44,910 slots, 419PB native (TFinity ExaScale)

### BlackPearl Solution Features:

- Multi-tiered storage (disk, tape, cloud)
- Seamless cloud integration
- Multi-tenant
- Partial file restore (PFR)
- Tape eject for offsite DR
- Automatic tape repack\*
- Continuous data integrity check
- Proactive system monitoring
- Non-disruptive data migration
- Data management policies (Advanced Bucket Management)
  - Flexible data retention policies
  - Multiple copies
  - Program grouping
- Automatic backup of all databases
- Archive non-managed assets via BlackPearl Eon Browser

### Disaster Recovery Features:

- Open standard LTF5
- Disaster recovery copies
  - Remote BlackPearl, cloud, ejected tape for offsite disaster recovery
- Database back-up:
  - BlackPearl database
- Easy failover to remote BlackPearl
- Alternate recovery path for assets\*

\*Roadmap feature

# System Requirements



## Basic Setup

A BlackPearl must be configured and available for network communications within Avid Interplay Production.

The BlackPearl hostname, access key, and security key must be set up for the plugin. The Spectra Logic/NL Technology plugin requires BlackPearl 3.0.1 or later.

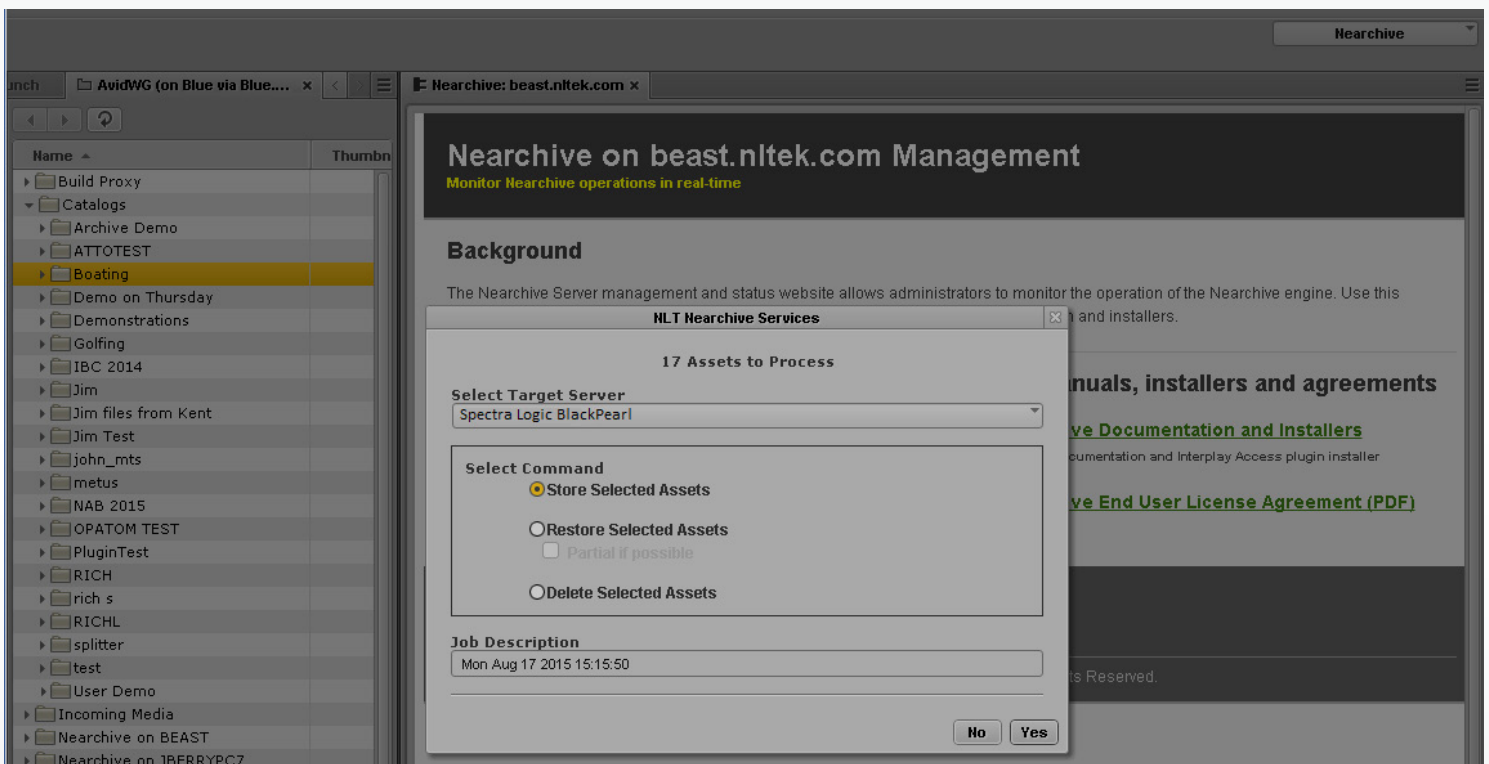


## Requirements

Requires BlackPearl and Avid Interplay Production

NLT Archive Server - Nearchive software integrated with WIN2012R2 server, 20TB disk cache expandable to 100TB in 2U chassis.

Physical Server: 10C Xeon processor, 32GB memory, 12G SAS HW RAID6, 256GB SSD for OS, Dual 10GBe copper connections to Avid Nexis and Spectra's BlackPearl® Converged Storage System



## Installation Overview

The server application will be installed on the NLT server and provides all Avid Media Central MC|UX plug-ins as part of the standard package and for Avid Interplay Access as an option.

The NLT application can be obtained directly from NL Technology and is easily installed on a supported server. All support necessary for operation with BlackPearl is included in the installer package.

For system support - contact NL Technology: 978-686-1700.

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