

Solution Brief

# PROMISE Technology Storage and Archiware P5

Meeting storage performance and capacity requirements for 4K, 8K-plus resolution post-production is a challenge for storage technology providers. That will only become more intense as the industry evolves. Ever growing storage means there will always be insufficient space for online storage if the users don't migrate the data to different location or expand the online storage capacity from time to time.

## PROMISE and Archiware

PROMISE Technology stands ready to meet new storage challenges for the IT, Surveillance and Rich Media markets. Archiware P5 includes the whole range of data management services, including cloning storage for time critical data, performing backup to disk and tape and providing long-term archive. Archiware P5 is fully compatible with the PROMISE Vess R Series, the VTrak D5000 and E5000 Series, and the Thunderbolt-enabled Pegasus Series. These solutions are ideal for collaborative high-resolution 4K and 8K workflows that use very high bandwidth applications and various high performance digital asset solutions.

### Mac Pro - Precious Data Deserves Professional Protection

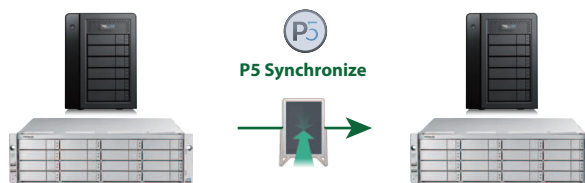
PROMISE and Archiware provide storage and data management for the new Mac Pro with solutions for professional data synchronization, backup and archiving. The tremendous power of the Mac Pro is used more efficiently when data is always available at the best suitable performance level. PROMISE Technology offers a variety of internal and external data storage solutions for the Mac Pro. The world class data synchronization, backup and archiving software suite P5 from Archiware lets creative professionals guarantee availability of their data so they can concentrate on their project. The scope of this solution brief document is to describe some of the most common use case scenarios and how easy it is to achieve maximum security for media production.

## Which Solution to Choose?

When deciding what kind of data management a specific data set needs, customers can consider the following:

| RESTORE TOLERANCE |  | PRODUCT                          | RETENTION TIME |
|-------------------|--|----------------------------------|----------------|
| MINUTES           | Data Availability / Failover, no restore necessary | P5 Synchronize + PROMISE Storage | Days - Weeks   |
| HOURS             | Backup to disk/tape, cyclic, also off-site         | P5 Backup + PROMISE Storage      | Weeks          |
| HOURS - DAYS      | Long-term Archiving, migrate data, off-site        | P5 Archive + PROMISE Storage     | Years          |

## Data Availability with No Restore Necessary



### Key features

- Data duplication
- Immediate Data Access
- Versions and snapshots

## Long Term Archiving with Data Migration (Optional Off-site)



### Key features

- Data Archive for long term
- Save space/data migration from online storage
- Previews and metadata
- Browse and search
- Drag-and-drop Archiving

## Backup to Disk and/or Tape (Optional Off-site)



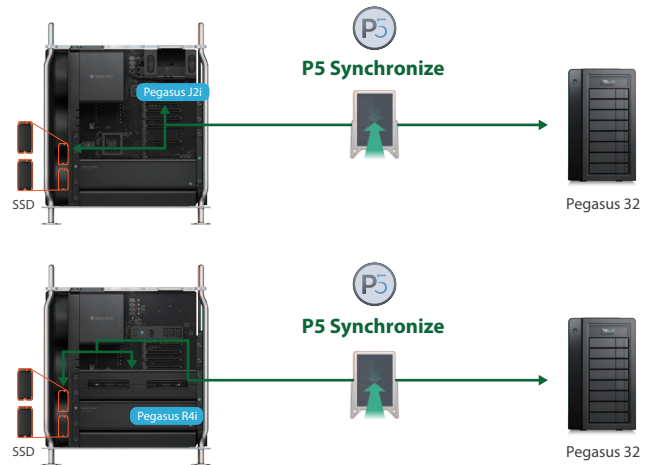
### Key features

- Data redundancy
- Data Backup/Restore
- Versions and Snapshots

## Use Case Scenarios

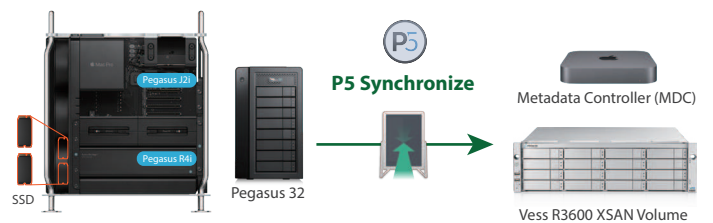
### Synchronize Data Between Internal SSD to Pegasus R4i/J2i or Pegasus32

Robust, reliable immediate data access is crucial for post-production. The SSD in the Mac Pro server has limited lifespan and it has the potential to become a single point of failure without RAID protection. Using P5 Synchronize ensures the data duplication and data availability. The user can always access the data immediately in case of data loss or SSD crash.



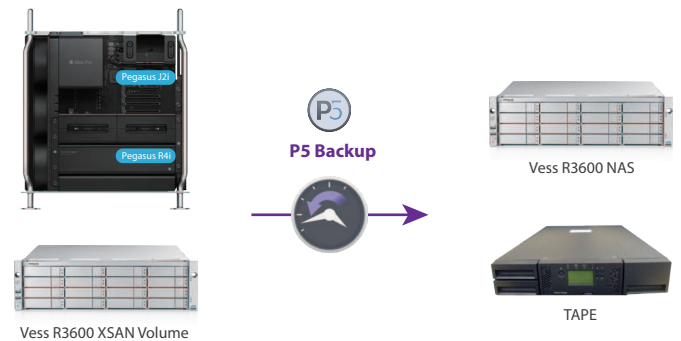
### Synchronize Data Between Internal SSD/PegasusR4i/J2i/ Pegasus32 to VessR3600 Xsan Volume

Xsan is the clustered file system and high speed access storage area network (SAN) used for macOS client systems. Xsan enables access to shared block storage on a Fibre Channel network for multiple macOS client systems. P5 Synchronize also has a built-in feature that makes Xsan replication extremely efficient by talking to Xsan MDC.



### Backup Data from VessR3600 Xsan Volume to VessR3600 NAS or Tape

Archiware P5 Backup secures data by copying it to an external storage like VessR3600 NAS or LTO tape. P5 Backup should be done automatically and frequently.



### Migrate Data from SSD, Pegasus R4i, Pegasus J2i or Pegasus32 to Vess R3600 NAS or Tape (With Criteria Such as Files Older Than X-Days)

SSD, PegasusR4i, PegasusJ2i and Pegasus32 all have storage space limits, older files need to be deleted or transferred to other storage periodically. The Archiware P5 Archive function is used to migrate data to Vess R3600 NAS or Tape storage and reclaim storage space on the SSD, Pegasus R4i, Pegasus J2i or Pegasus32.

With an embedded Media Asset Management feature set, Archiware P5 Archive simplifies locating files easily even years later. Metadata fields can be customized, while preview thumbnails and proxy clips bring the Archive to life. Files can easily be browsed and searched for reference, re-use and monetization.

