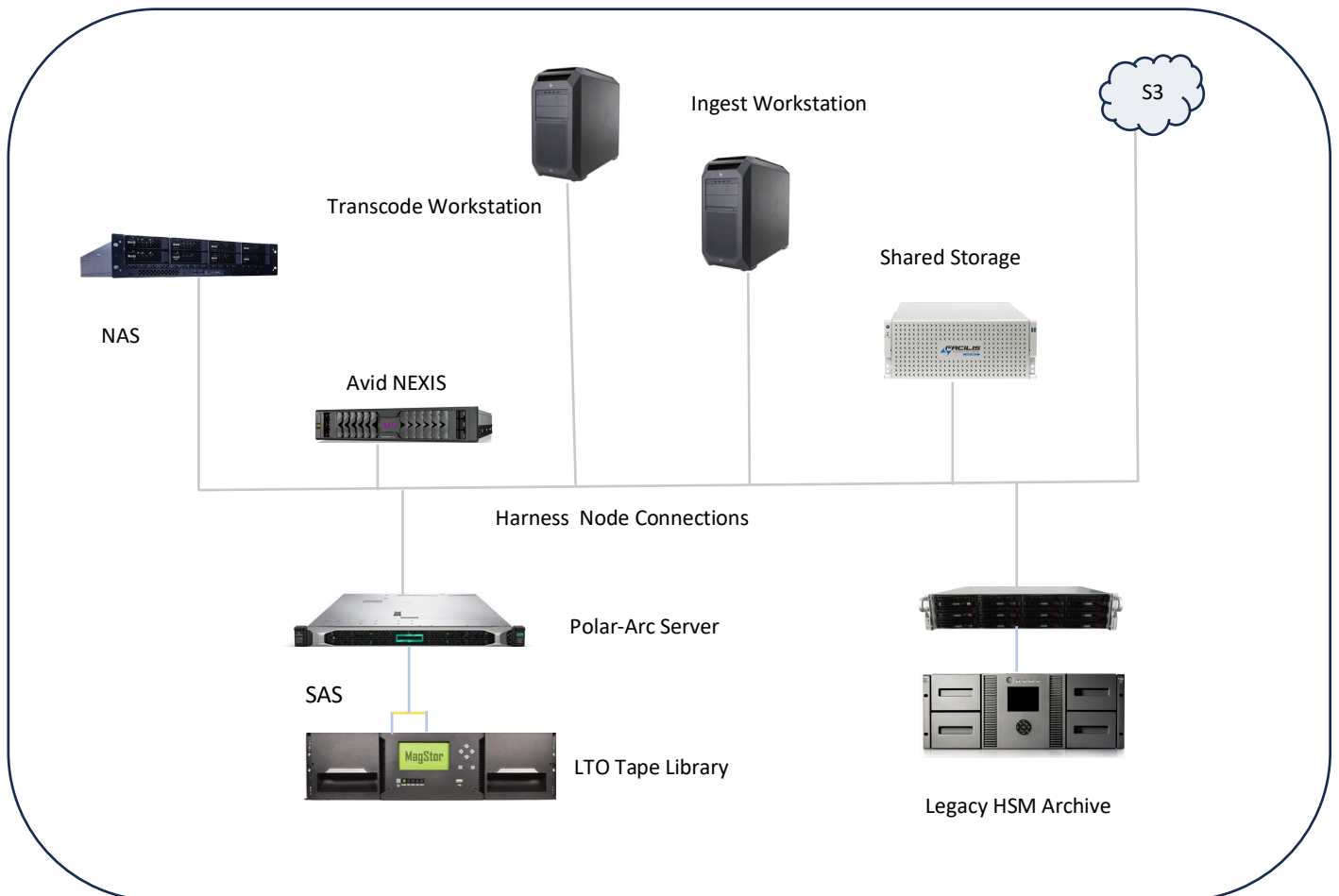




Polar-Arc Professional

Polar-Arc Archive Systems Application and Interconnect Plug-in

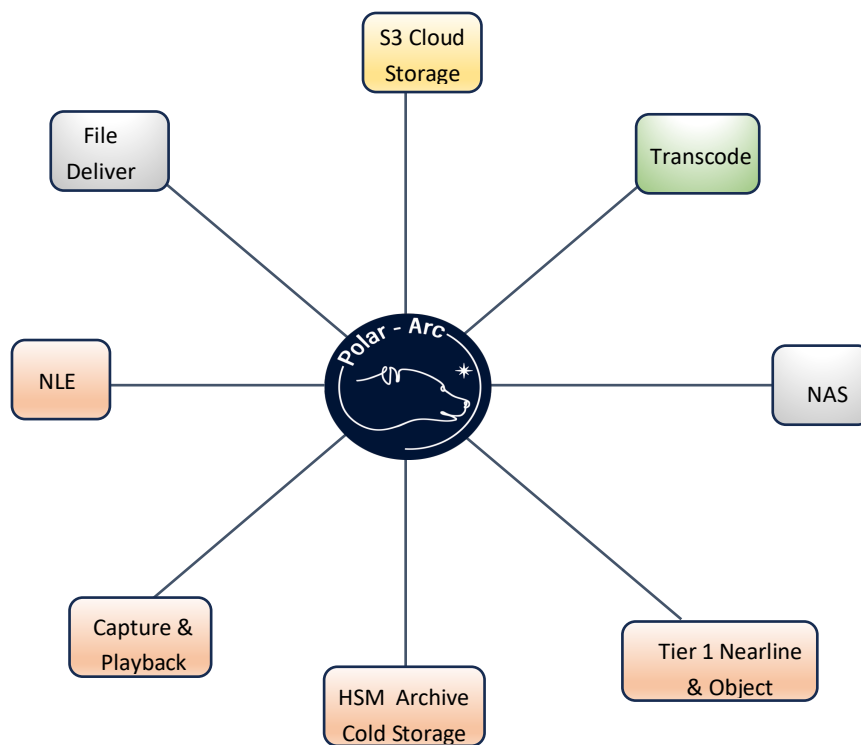
Polar-Arc Professional is a powerful plug-in to the standard Polar-Arc range of products. It provides 5 harness interconnects from a library of hundreds of applications via APIs, and unlimited connections to generic, none-API managed applications and devices.



The standard Polar-Arc system uses a network shared storage drive to make interacting with applications simple and easy for users. All of the Polar-Arc Range can be upgraded by adding the Polar-Arc Professional plug-in (engineered by Ortana). This application has a GUI to manage and perform Browse and Search, Copy and Move, Sync and Migrate jobs in addition to Archiving and Restore workflows. It connects with up to 5 API integrated Nodes such as an Avid NEXIS, Legacy HSM, MAM, Transcoder, as well as managing data on generic none-API driven Nodes.

It also manages the Polar-Arc server XenData archive software remotely by automatically creating and configuring volume sets, volumes and folders without the need to directly connect to the XenData server management console.

From the Polar-Arc Professional GUI you can create, schedule and run workflow jobs between harness nodes and devices. Up to 5 managed Nodes are licensed (a managed node is one with an API integration) and unlimited unmanaged (no API) device nodes, such as an SMB, NAS or generic S3 cloud storage. Jobs can be to archive and restore from nodes to the Polar-Arc LTO archive or to copy or move files between nodes, for example from a Transcode workstation to an Avid NEXIS. Nodes are connected via 10GigE, Lan or Wan.



The Polar-Arc GUI has pre-configured Jobs for the following workflows

- Browse and Search
- Archive and Restore
- Backup
- Copy, Move and Sync
- Migrate and Export

For each of these jobs the source and destination can be selected from the available harness nodes and the job either run manually or set up to run automatically. In addition, for Avid and Adobe nodes you can configure a job to archive and restore Files, Bins and Projects either directly or by “conforming” from an ALE, AAF or EDL. Polar-Arc Professional monitors a watch folder and when an ALE, AAF or XML ticket is dropped in to it will process the ticket to conform the high-resolution files. The Polar-Arc Professional plugin manages the XenData archive management software, eliminating the need to connect remotely or directly to the XenData server to set up volume sets volumes and file group rules.

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Dashboard

KeywordSearchToggle Full ScreenAccessibility

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XenData Web UI

LibrariesFile GroupsVolume SetsVolumesCartridges

Libraries

Name: Library 0Manufacturer: BDTModel: FlexStor IISerial Number: 00MX64200607_LL0Firmware Revision: 5.60

Name: Library 1Manufacturer: AmazonModel: S3 EndpointSerial Number: awsdemo1Firmware Revision: 7.25

Status / Summary

Library State:
Slot Count:
Empty Slots:
Full/Finalised Cartridges:
Blank Cartridges:
Cleaning Cartridges:

Open MallislotScan MallislotScan Inventory

Library 0

Manufacturer: HPModel: MSL G3 SeriesSerial Number: DEC0550066Firmware Revision: 7.10

Library 0

Manufacturer: HPModel: MSL G3 SeriesSerial Number: DEC0550066Firmware Revision: 7.10

Drives

Drive 0/0

Manufacturer: HPModel: Ultrium 6-SCSICurrent Contents:
Serial Number: HUI236R1FN
Firmware Revision: 25MW
Data Since Cleaned: 4294.97 GB
Alert Message:

Clean

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Libraries Management

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XenData Web UI

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File Groups

Show 10 entriesSearch:

Position	Name	VolumeSet	IncludePath	ExcludePath
1	Ortana		/	/
2	Default		*	
3	Ortana		/	/
4	Default		*	

Showing 1 to 4 of 4 entriesPrevious1Next

Status / Summary

Name: Ortana
Volume Set:
Include Path: /
Exclude Path: /
File Fragmentation: 0
Fragment Size: 0
Flush Read Files from Disk: true
Read Retention Time: 3600
Flush Written Files: true

Write Retention Time: 86400
Keep All Versions On Disk: true
Early Fragment Write: true
Allow Local Delete for offline files: true
Force First Read from Volume: true
Archive Missing Files: false
Delete Metadata On File Deletion: true
Make Files Read Only: true
Allow File Spanning: true

Actions

New File GroupMove UpEdit / RenameMove DownDelete

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File Group Management

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Dashboard

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XenData Web UI

LibrariesFile GroupsVolume SetsVolumesCartridges

Volume Sets

Show 10 entries

Search:

Name	Cartridge Type	File System	WORM/Rewritable	Replica Count
6894E97D-00000000		LTFS	WORM	2
External LTFS Tapes		LTFS	WORM	1
6894E97D-00000002		Tape	WORM	1
6894E97D-00000003		Tape	WORM	1
6894E97D-00000000		LTFS	WORM	2
External LTFS Tapes		LTFS	WORM	1
6894E97D-00000002		Tape	WORM	1
6894E97D-00000003		Tape	WORM	1
6894E97D-00000000		LTFS	WORM	2
External LTFS Tapes		LTFS	WORM	1

Showing 1 to 10 of 12 entries

Previous12Next

Status / Summary

Name: 6894E97D-00000000

Cartridge Type:

File System: LTFS

WORM / Rewritable: WORM

Capacity: 0

Write To Disk When No Volumes Available: false

Compressed: false

Create New Volume at %: 0.95

Replica Count: 2

Replicate Immediately: false

Replication Frequency: 0

Actions

New Volume Set

Edit / Rename

Delete

Add Volume

Build Missing Catalogues

Import Folder Structure

Import Data

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Volume Sets Management

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Dashboard

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XenData Web UI

LibrariesFile GroupsVolume SetsVolumesCartridges

Volumes

Show 10 entries

Search:

Name	Replica Count	Write Protected	Online	Object Count
588BCBCE-00000000-6618527D	2	false	true	0
588BCBCE-FFFFFFFF-66187A1D	1	false	true	0
588BCBCE-FFFFFFFF-66187A48	1	false	true	0
588BCBCE-00000002-66197EB8	1	false	true	136
588BCBCE-00000003-6348A09A	1	false	true	131
63487555-00000006-654EE863	1	false	true	5
588BCBCE-00000006-67224071	1	false	true	0
6894E97D-00000000-68B6B700	2	false	true	0
6894E97D-00000000-68B6B700	2	false	true	0

Showing 1 to 9 of 9 entries

Previous1Next

Status / Summary

Name: 588BCBCE-00000003-6348A09A

Replica Count: 1

Write Protected: false

Online: true

Full: false

Blank: false

Has Catalogue: true

File System: Amazon

Compressed: false

Object Count: 131

Total Space - GB: 0

Free Space - GB: 0

Data Written - GB: 0

Primary Replica Barcode: 588bcfce-00000003-6348a09a

Secondary Replica Barcode(s):

Actions

Rename

Write Protect

Rebuild Catalogue

Import Folder Structure

Import Data

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Volumes Management

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Cartridges Management

Cartridges Table:

Library	Barcode	Type	Location	Status
BDT FlexStor II 00MX64200607_LL0	Barcode:06082AL7	1	9	Prim
BDT FlexStor II 00MX64200607_LL0	Barcode:06082BL7	1	17	Up b
BDT FlexStor II 00MX64200607_LL0	Barcode:06083AL7	1	33	Alert
BDT FlexStor II 00MX64200607_LL0	Barcode:06085BL7	1	41	Prim
Amazon S3 Endpoint awsdemo1	588bcbce-00000002-66197eb8	17	1	Prim
Amazon S3 Endpoint awsdemo1	588bcbce-00000003-6348a09a	17	2	Prim
Amazon S3 Endpoint awsdemo1	63487555-00000006-654ee863	17	3	Prim
BDT FlexStor II 00MX64200607_LL0	Barcode:06088AL7	1	10	Prim
BDT FlexStor II 00MX64200607_LL0	Barcode:06088BL7	1	37	Blan
BDT FlexStor II 00MX64200607_LL0	Barcode:06090AL7	1	34	Blan

Status / Summary:

Library: BDT FlexStor II 00MX64200607_LL0
 Name: Barcode:06085BL7
 Barcode: Barcode:06085BL7
 Type: 1
 Location: 41
 State: Primary
 Free Space - GB: 5486.33
 Mount Cycles: 122
 Blank: false
 Cleaning Cartridge: false
 Quarantined: false
 Replica: 0
 Write Protected: false

Actions:

- Export
- Rebuild Catalogue
- Rename
- Import Folder Structure
- Reformat
- Import Data
- Verify

Cartridges Management

. Some of the processes done automatically via the GUI are

Format LTO media

Create archive volumes

Create volume sets,

Create replica sets

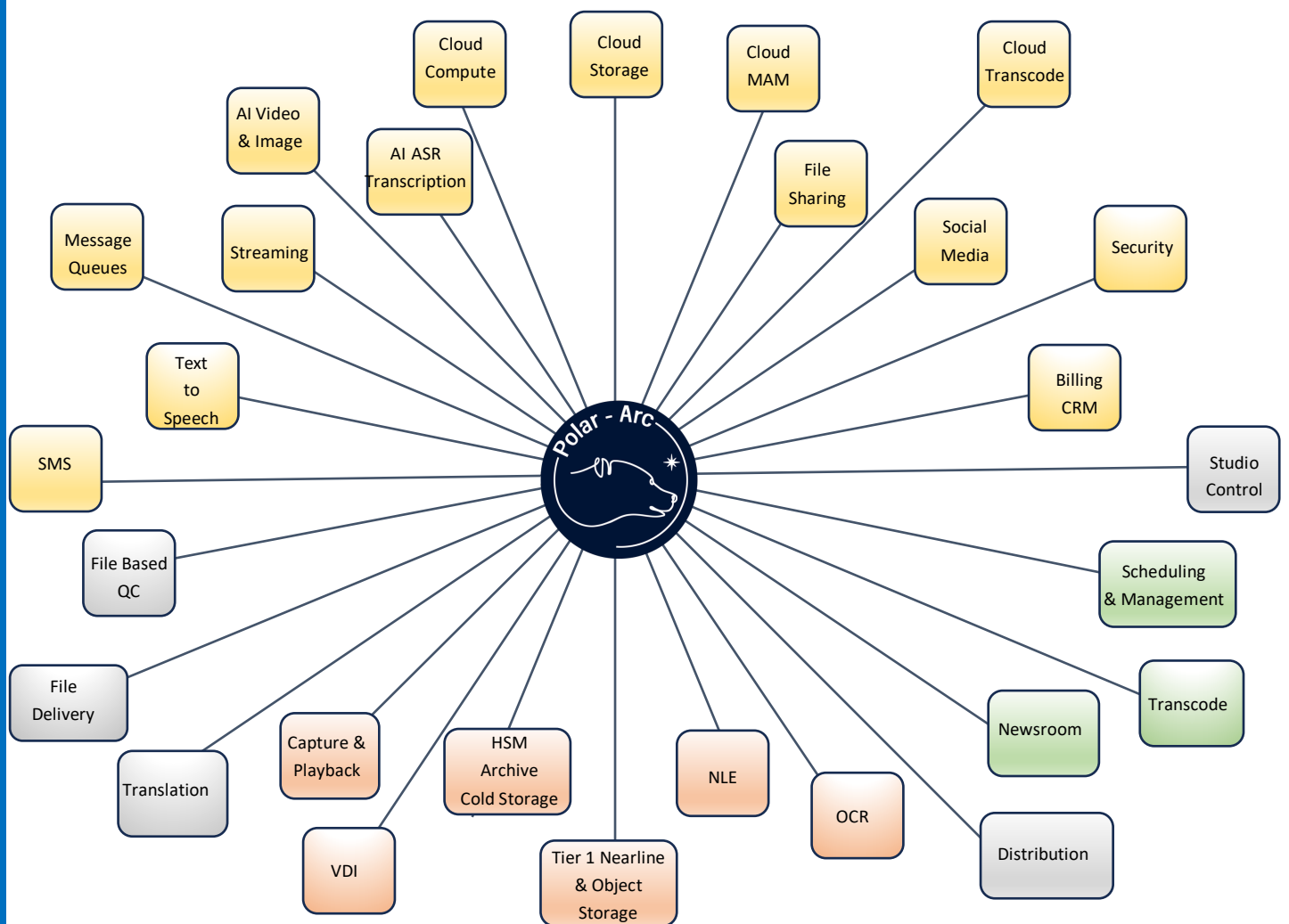
Restore from LTO tape

Export Tapes to tracked offline storage and customer deliverables

Using the Web dashboard to manage day to day workflows dramatically reduces operational time as processes can be fully automated. Multiple jobs can be combined in a workflow to streamline production work. For example, an ingest station can be monitored for new content and new content immediately archived to LTO tape for backup and deleted from the ingest station after a period of time. The workflow can be configured to automatically create a new set of LTO tapes for each new project.

Migrating from other HSM and archive systems is also easily done as harness plug-ins are available for the major products allowing for an easy transition to a more stable LTO and or Cloud archive.

Polar-Arc Professional can be expanded beyond the 5 licensed nodes to include additional managed harness connections to hundreds of applications via the full Ortana management software. This includes accessing cloud applications for tiered storage, transcoding and even billing.



Deployed LAN/ WAN harness API node connections

File Based QC



Studio Control

DENSITRON

File Delivery



HSM / Archive / Cold Storage



NLE's



Newsroom / Channel Origination



Tier1 Nearline and Object Storage



Capture and Playback



Scheduling / Management



VDI

LEOSTREAM

OCR



Streaming



Haivision

Transcode



Distribution



Deployed Cloud harness API node connections



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