DIVA Core Suite

Release Notes

Release 8.1

Version 1.0

August 2021

This document provides product release information for the DIVA Core Suite releases 8.1.

Read this documentation before installing and using DIVA Core.

- Installing, Configuring, or Updating DIVA Core
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Installing, Configuring, or Updating DIVA Core

Contact Telestream Support for assistance installing, updating, or configuring DIVA Core. The Telestream Support Contacts Global Directory can be found at:

https://www.telestream.net/telestream-support/diva/support.htm

For more information, see the DIVA Core documentation set for this release located at: https://www.telestream.net/telestream-support/diva/support.htm.

DIVA Core Options and Licensing

DIVA Core 8.1 requires a license. The Manager will not start without a valid license in the database. The details of the license, and tool used to create the license have been updated. The license can be imported as part of the DIVA installer if you create the license before DIVA is installed. If DIVA is already installed, a license can be imported using the Configuration Utility. In addition to enabling the Manager, the license includes a set of options that are necessary to enable the associated features in DIVA. The following table identifies DIVA Core options and licensing metrics.

Part Number	Description	Licensing Metric
LIC0002	DIVA Core	Per Server
LIC0003	DIVA Core Data Hub	Per Server (*up to 20 TB of content transferred per day, per server*)
LIC0004	DIVA Core Analytics	Per Server
LIC0005	DIVA Core Link	Per Connection

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Part Number	Description	Licensing Metric
LIC0006	DIVA Core Partial File Restore	Per Video Wrapper
LIC0007	DIVA Core Avid Connector	Per Server
LIC0008	DIVA Core Storage Policy Manager	Per Server
LIC0009	DIVA Connect	Per Server
LIC0010	DIVA View	Per Concurrent User
LIC0011	Tape Slots	Per Tape Slot

Security

Telestream recommends keeping the operating system up to date with the latest security patches. However, Telestream cannot guarantee that all patches will operate correctly with DIVA Core because the operating system security patches are independent of the DIVA Core application.

You should determine the acceptable operating system security patch level for your environment. Contact Telestream Support for assistance in determining operating system patch level compatibility if necessary.

What's New in DIVA Core Suite 8.1

DIVA Core 8.1 includes the following new features and enhancements:

DIVA Command Interface

The new DIVA Command interface replaces the DIVA Core Configuration Utility.

SMB Support With Linux-based Datahubs

Linux-based Datahubs support CIFS Servers for transfers and accessing a CIFS remote Vantage transcode cache folder starting with DIVA Core 8.0. A Linux Datahub can now be used with Vantage transcoding. *See the DIVA Core Installation and Configuration Guide for more detailed information*.

Flashnet Migration Tool

The Flashnet Migration Tool leverages a hidden REST API endpoint that reads from the Flashnet Database and writes to the DIVA Database. This initial tool release supports only Flashnet installs with SONY ODA media and objects archived by Avid or IPWS clients.

Metadata Database (*MDS*)

To effectively operate with large volumes of files and folders and other metadata, DIVA Core stores the metadata separately from the Oracle database in the DIVA Core Metadata Database.

Prior to DIVA Core 8.1, the DIVA Core Metadata Database consisted of a flat file, and stored information for Complex Objects components only. The directory that contains these files is the Metadata Database Root Folder.

Starting with DIVA Core 8.1, the DIVA Core Metadata Database is now stored in MongoDB. The data files should be treated with the same caution as the Oracle database, and should be backed up at regular intervals using the DIVA Core Backup Service. *See the Operations Guide for detailed information*.

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Backup Service (*BKS*)

Legacy DIVA Core uses Oracle Database Engine. The addition of MDS and underlying MongoDB required changes to support Database Data files backups for these 2 Database engines.

The DIVA Core Backup Service is now referred to as *BKS*. The Backup Service is comprised of two types of services, DIVA Core Backup Service and one or more DIVA core DBAgent Services. *See the DIVA Core Operations Guide for detailed information*.

The Backup Service controls command execution, DIVA Core archives, synchronization and configuration.

The DBAgent Service performs database specific tasks (*that is, backups and restores*), monitors their progress, and reports disk usage. *See the DIVA Core Operations Guide for detailed information*.

Avid AM (*Archive Manager*) Updater Tool

The AM Updater is used to be able to migrate the AAF files into the AM (Archive Manager) Database. The AM Database is needed to be able to initiate restores from Avid using AMC. The AM Updater application is a migration/utility tool designed to import AAF metadata files into the Avid Interplay | Production Archive Engine database. The primary scope is to import the AAF files generated by Flashnet in a scenario without Archive Engine into the database of a new fresh installed Archive Engine.

New Terminology

DIVA Core 8.1 release introduces new terminology for various components as follows:

- *Actor* is now named **Datahub**
- *Proxy Actor* is now named **Proxyhub**
- *Production System* is now named **Network**
- *Source/Destination* is now named **Server**

What's New in DIVA Core Suite 8.0

DIVA Core 8.0 includes the following new features and enhancements:

Documentation Update

Starting with DIVA Core 8.0 some documents have been merged into the Operations Guide and the Installation and Configuration Guide. This was done to achieve a smaller library, making it easier to find the information you are looking for. Previous standalone documents that have been merged and are no longer being published are as follows:

- **Security Guide** has been merged into the Installation and Configuration Guide
- **Cluster Manager Installation and Configuration** has been merged into the Installation and Configuration Guide
- **Database User's Guide** has been merged into the Installation and Configuration Guide
- **Checksum Support User's Guide** has been merged into the Installation and Configuration Guide
- **DIVA Migrate Utility** installation and configuration sections have been merged into the Installation and Configuration Guide. The Operations and Error Handling sections have been merged into the Operations Guide.
- **Export/Import User's Guide** has been merged into the Operations Guide

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Operating Systems

DIVA Core 8.0 supports system installations in Windows 2012 R2, 2016, and 2019, and Oracle Linux 7 x86_64 or later (*64-bit*) environment.

Windows 2008 server is no longer supported. Windows Server 2008 R2 end-of-life mainstream supported ended on January 13, 2015. On January 14, 2020, Microsoft ended all support for Windows Server 2008 R2.

Database Communications

Secure communication with Oracle Database requires the following minimum versions:

- Windows: OracleDivaDB_3-1-0_12_2_0_1_0_SE2_Windows_64-bit

- Linux: OracleDivaDB_3-1-0_12_2_0_1_0_SE2_OEL7_x86_64

Servers and Storage

The following new Servers are supported in DIVA Core 8.0:

Google Cloud Storage Accounts

DIVA Core 8.0 includes support for GCS (*Google Cloud Storage*). GCS is the object storage service offered by Google to Google Cloud account owners. Like any other object storage service, GCS offers an interface to create buckets and objects under buckets. For security reasons, do not directly use a Google account for the object storage interface. DIVA needs to be associated with a service account and a specific role/permission.

Azure Blob Storage Accounts

DIVA Core 8.0 includes support for Azure Blob Storage. Azure Blob Storage is the object storage service offered by Microsoft to Azure account owners. Like any other object storage service, Azure Blog Storage offers an interface to create blobs (*objects*) under buckets. The configuration of AZCS (*Azure Cloud Storage*) is similar to the configuration of other cloud storage in DIVA Core.

Sony ODA Gen3

Sony ODA Gen 3 is now supported. The new drive type is ODS-D380F. The new drive supports the new ODC5500R cartridge, which has a 5.5 TB capacity. This is a WORM drive and is still R/W compatible with ODC3300R and read-only compatible with older cartridge types.

IBM TS1160

The IBM TS1160 drive is now supported.

Refer to the DIVA Core Installation and Configuration Guide for more details on these storage and Servers.

Array Custom Bucket Names

DIVA core 8.0 supports Custom Bucket Names for arrays.

With an AXF Reference file, it may be useful to specify a custom bucket name by specifying it in the storage options. When you specify a custom bucket name, all instances will be written into the same bucket. If you specify a custom bucket name, the maximum number of instances per bucket is unlimited. If you allow DIVA to generate the bucket name, then DIVA will only put the configured maximum number of instances per bucket before creating a new bucket.

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Native File and Folder Support

Users can see their files and folders in native format on archive devices rather than as an AXF container files. You can also access files and folders on storage devices like object storage. This access opens the archive to the use of third party software to perform operations on the archive (*for example, metadata collection, face recognition, transcoding, and so on*).

Transcoders

There are several updates to transcoder upgrading and configuration. *See the Chapter 13 in the DIVA Core Installation and Configuration Guide for detailed information on these procedures*.

Partial File Restore Request Options

Partial File Restore now supports optional parameters when submitting requests. The options are available on the *Edit Partial Restore Setting* dialog box and can be found in Chapter 9 of the Installation and Configuration Guide.

SMB Support With Linux-based Datahubs

Linux-based Datahubs now supports CIFS Servers for transfers and accessing a CIFS remote Vantage transcode cache folder. A Linux Datahub can now be used with Vantage transcoding. *See the DIVA Core Installation and Configuration Guide for more detailed information*.

Restricted Use of Included Oracle Software Components

The Oracle database included with the DIVA Core system is limited to use only for the operation of the DIVA Core software.

Related Documents

For more information, see the DIVA Core documentation set for this release located at https://www.telestream.net/telestream-support/diva/support.htm.

Documentation Accessibility

For information about Telestream's commitment to accessibility, visit the Telestream Support Portal at https://www.telestream.net/telestream-support/diva/support.htm.

Access to Telestream Support

Telestream customers who have purchased support have access to electronic support through the Telestream support Portal at https://www.telestream.net/telestream-support/diva/support.htm.

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