

Oracle® DIVArchive
Local Delete User's Guide
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Oracle DIVArchive Local Delete User's Guide, Release 7.4

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Preface

This guide describes the installation, configuration, and use of the Oracle DIVArchive Local Delete functionality for the Oracle DIVArchive 7.4 system.

Audience

This document guides System Administrators through Local Delete configuration, and users through Local Delete operational processes and functionality.

Documentation Accessibility

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Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Emphasizes critical meaning.
<i>italic</i>	Emphasizes a term or variable.
monospace	Used for system screen output and system commands.
%DIVA_HOME%	The convention used for file paths or variables. The example shows the root path on the file system where DIVArchive is installed.

System Overview

The Oracle DIVArchive Local Delete application monitors Oracle DIVAnet objects and deletes the objects locally after they have been replicated to a remote DIVArchive site.

Note: The system tracks all instances of an object that exist on all sites and prevents you from deleting the last instance of an object.

You can run Local Delete on demand using a batch file (see [Running Local Delete Using the Batch File](#)), or automatically as a Windows Service (see [Installing or Uninstalling Local Delete as a Service](#)).

Oracle DIVArchive 7.4 enables support for running DIVarchive in the Oracle Linux 7 (x86_64, 64-bit) environment. Refer to the Linux installation instructions in the *Oracle DIVArchive Installation and Configuration Guide* in the *Oracle DIVArchive 7.4 Core Documentation* library for Linux-specific directions concerning running DIVArchive components as services under Linux.

All Windows batch files (.bat) have corresponding shell scripts (.sh) in Linux. You must substitute Windows paths with Linux paths when operating on Linux. For example, the Windows path C:\DIVA\Program will be /home/diva/DIVA/Program when running under Linux.

Note: Linux commands, paths and file names are case-sensitive.

DIVArchive 7.4 supports absolute path names on both Windows and Linux to a maximum of 4000 characters. Relative path names are limited to 256 characters on Windows systems (only).

A Windows local path is structured in the following order and terminated with a NUL character:

```
Drive_Letter:\Component_Name\Component_Name\filename.extension
```

A Linux local path is structured in the following order:

```
/Component_Name/Component_Name/filename.extension
```

Local Delete operates in one of two modes:

- [ASAP Purge Mode \(default\)](#)
- [Delayed Purge Mode](#)

ASAP Purge Mode (default)

ASAP Mode deletes local objects immediately after they are copied to another DIVArchive site. The ASAP configuration file (`lynxLocalDelete.conf.ASAP.ini`) is similar to the legacy Local Delete configuration file (see [Appendix A](#) for the default configuration file).

To configure ASAP Mode, see [Configuring ASAP Purge Mode](#).

Delayed Purge Mode

Delayed mode deletes content based on the storage space of the disk and site verification criteria. Local Delete purges objects in the order in which they were archived to the local site.

Delayed mode uses the configuration file `lynxLocalDelete.conf.delayed.ini` (see [Appendix B](#) for a sample configuration file).

Note: Delayed Purge Mode only monitors a single DIVArchive disk array. To purge from multiple arrays, you must run multiple instances of Local Delete.

To configure Delayed mode, see [Configuring Delayed Purge Mode](#).

Setting the Watermark for Delayed Mode

You must set the high and low watermarks to specify how full the disk must be before Local Delete deletes content. When the DIVArchive array becomes $x\%$ full (x being the high watermark), object instances are deleted from the array until the disk reaches $y\%$ full (y being the low watermark).

See [Site to Purge Configuration Parameters](#) for more information on the watermark configuration file parameters.

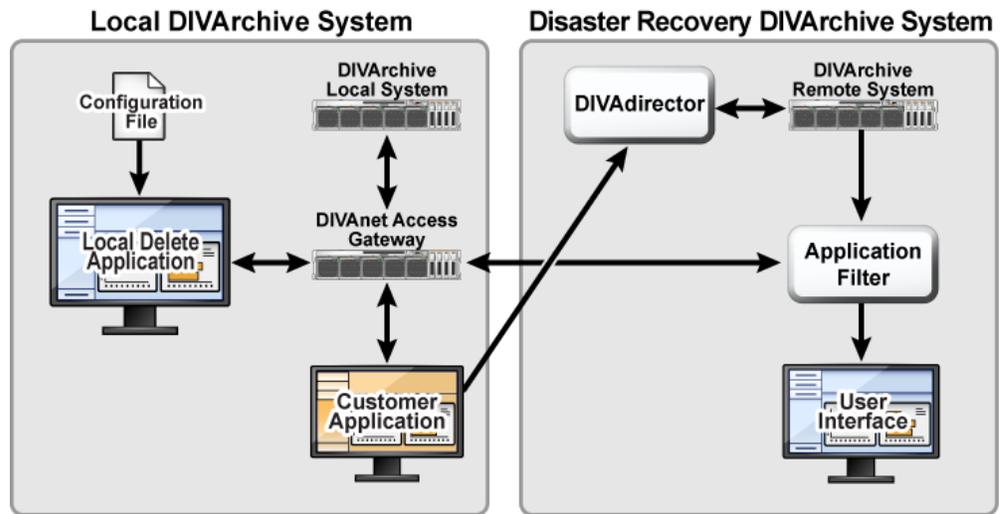
Setting Site Verification Criteria for Delayed Mode

You set verification criteria in the configuration file. The system only considers deleting an object if all of the criteria are true and the disk array has reached the high watermark. Since the utility deletes objects in the order in which they were archived, Local Delete might stop deleting (because it reaches the low watermark) before it deletes all objects that meet the criteria.

See [Site Verification Criteria Configuration Parameters](#) for more information on the site verification configuration file parameters.

Sample Local Delete Workflow

The following sample Local Delete workflow applies to both newly archived objects and previously archived objects.



Installation and Configuration

- [Prerequisites for Installation](#)
- [Configuring Local Delete](#)
- [Configuring ASAP Purge Mode](#)
- [Configuring Delayed Purge Mode](#)
- [Running Local Delete Using the Batch File](#)
- [Installing or Uninstalling Local Delete as a Service](#)

Prerequisites for Installation

To install Local Delete, upgrade all components of the DIVArchive System to the proper release.

- At least two (one local and one remote) DIVArchive Managers (release 6.5 or later) must be installed and properly configured.
- DIVAnet (Legacy DIVAnet, DIVAnet 2.0, or DIVAnet 2.1) must be installed and properly configured to operate with at least two DIVArchive Managers.
- To run in Delayed mode, DIVAnet must be running on DIVArchive release 7.3 or later.

Configuring Local Delete

You must complete the following steps before starting Local Delete.

1. Open the DIVAnet Configuration File (`router.xml`) and verify that it contains the following:

```
<message class=".DeleteInstanceMessage"
messageProcessorClass=".SelectiveRoutingMessageProcessor"
instance="instance" />
```

2. Navigate to the directory containing the Local Delete configuration files (`%DIVA_HOME%\Program\conf\lynxLocalDelete\`).
3. Create a Local Delete configuration file. The format is different depending on the desired mode:
 - [Configuring ASAP Purge Mode](#)
 - [Configuring Delayed Purge Mode](#)

Configuring ASAP Purge Mode

1. Rename the `lynxLocalDelete.conf.ASAP` file to `lynxLocalDelete.conf`.
2. Open the `lynxLocalDelete.conf` file and enter the correct values for each of the configuration parameters (see [ASAP Configuration Parameters](#)).

Note: The parameters and values for this mode are case-sensitive.

3. Restart the Local Delete service.

ASAP Configuration Parameters

The following table describes the `lynxLocalDelete.conf.ASAP` configuration parameters. See [Appendix A](#) for a sample configuration file.

ASAP Parameter	Description	Default Value	Required
DIVANET_IP= <i>Address</i>	<i>Address</i> is IP address used for the DIVAnet connection.	127.0.0.1	Yes
DIVANET_PORT= <i>Num</i>	<i>Num</i> is a positive integer, which indicates the Port used for the DIVAnet connection.	9500	Yes
DIVANET_USER_NAME= <i>UserName</i>	<i>UserName</i> is the username used for the DIVAnet connection.	admin	Yes
DIVANET_USER_PASSWORD= <i>Password</i>	<i>Password</i> is the password for the DIVAnet connection.	none	No
LOCAL_DIVARCHIVE_NAME= <i>LocalName</i>	<i>LocalName</i> is a string, which indicates the name of the Local Delete DIVArchive System used in DIVAnet.	none	Yes
LYNX_DIVARCHIVE_NAME= <i>DisRecName</i>	<i>DisRecName</i> is a string, which indicates the name of the disaster recovery DIVArchive system used in the DIVAnet. Only one disaster recovery name may appear.	none	Yes
DIVANET_SYNC_DELAY= <i>Num</i>	<i>Num</i> is an integer (1 to MAX_VALUE), which is a hidden parameter that defines the delay in minutes for syncing site through DIVAnet. DIVAnet needs time to synchronize its object instances information on the different DIVArchive sites. Until it does, <i>DeleteInstance</i> requests from Local Delete may be rejected. To avoid this situation, Local Delete checks objects for the MODIFIED_SINCE value to verify that it is greater than the DIVANET_SYNC_DELAY parameter.	20	No
CHECK_START_TIME= <i>MM/DD/YYYY</i>	<i>MM/DD/YYYY</i> is the date in US standard format. The application will check only those objects which were modified in the lynxDR system since that date. If a -1 value is provided, the application will use its start time as the initial date. If a 0 value is provided, the application will check all objects in system.	1/1/2000	Yes
CHECK_END_TIME= <i>MM/DD/YYYY</i>	<i>MM/DD/YYYY</i> is the date in US standard format. The application will check only those objects which were modified in the disaster recovery system before that date.	none	No
CHECK_INTERVAL= <i>Minutes</i>	<i>Minutes</i> is a positive integer, which indicates the interval (in minutes) between 2 consecutive Local Delete checks.	2	Yes

ASAP Parameter	Description	Default Value	Required
CATEGORY_TEMPLATE.#= <i>Category</i>	# is an integer, which starts at 1 and increments by 1 for each additional category template. <i>Category</i> is a string. Wildcards (asterisks *) are allowed. To use all categories, provide only an asterisk (*) for the value. The category template parameters create the Category List handled by the Local Delete workflow. Ensure the format is compatible with the <code>getObjectDetailsList</code> parameter. Example: CATEGORY_TEMPLATE.1=News,Post,Movie*,Film?	*	Yes
LYNX_INSTANCES_COUNT= <i>Num</i>	<i>Num</i> is a positive integer, which indicates the number of object instances to be created on the disaster recovery systems before the local object instance is marked for deletion.	2	Yes
LOCAL_MEDIA_TYPE= <i>Type</i>	<i>Type</i> can be DISK or ALL , which defines the local instances to delete when content has been successfully replicated to the disaster recovery system. DISK triggers the automatic deletion of disk-only local instances. ALL triggers the automatic deletion of all local instances on both disk and tape.	DISK	Yes
DELETE_REQUEST_PRIORITY= <i>Num</i>	<i>Num</i> is an integer (1 to 100), which defines the priority used for delete requests.	50	No
SIMULTANEOUS_DELETE_OPERATIONS= <i>Num</i>	<i>Num</i> is an integer (1 to 10), which defines the maximum simultaneous delete operations allowed.	3	Yes
MAX_OBJECTS_PER_CYCLE= <i>Num</i>	<i>Num</i> is a positive integer, which indicates the maximum number of objects to check per cycle.	1000	No
EXCLUDE_MEDIA_TYPE= <i>MediaType</i>	<i>MediaType</i> is a string, which specifies a media type (Tape Group or Disk Array name). If the object has an instance of the specified media type, the object will not be deleted.	none	No

Configuring Delayed Purge Mode

1. Rename the `lynxLocalDelete.conf.delayed` file to `lynxLocalDelete.conf`.
2. Open the `lynxLocalDelete.conf` file and enter the correct values for each of the configuration parameters (see [Delayed Purge Mode Configuration Parameters](#)).

Note: The parameter names for this mode are not case-sensitive, but the values are case-sensitive.

3. Restart the Local Delete service.

Delayed Purge Mode Configuration Parameters

The following tables describe the `lynxLocalDelete.conf.delayed` configuration parameters. See [Appendix B](#) for a sample configuration file.

Top Level Configuration Parameters

Top Level Parameter	Description	Default Value	Required
PurgeMode= <i>Mode</i>	<i>Mode</i> can be ASAP or delayed , which indicates the purge mode in effect. Only one mode can be in effect at a time.	ASAP, but use delayed to select the Delayed Purge Mode .	No

Top Level Parameter	Description	Default Value	Required
DeleteRequestPriority= <i>Num</i>	<i>Num</i> is an integer (1 to 100), which indicates the DIVArchive delete request priority.	50	No
SimultaneousDeleteOperations= <i>Num</i>	<i>Num</i> is an integer, which indicates the number of simultaneous deletes that can be processed by the application.	none	Yes

Site Verification Criteria Configuration Parameters

Site verification is optional. The parameters specify what to verify before purging. You can provide multiple criteria by creating criteria groups.

Note: You can only specify one of the following per criteria group: *media*, *numTapeInstance*, or *numInstances*.

Creating a Criteria Group:

The criteria group number distinguishes one group of related parameters from another. For instance:

```
SiteToVerify.1.sitename=lynxDR
SiteToVerify.1.numTapeInstances=1

SiteToVerify.2.sitename=local
SiteToVerify.2.media=remoteArray
```

In the previous example, the *SiteToVerify.1* parameters are in a criteria group, while the *SiteToVerify.2* parameters are in another group. Local Delete will verify there is one tape instance on the disaster recovery site and one instance on a local array called *remoteArray*.

Site Verification Parameter	Description	Default Value	Required
SiteToVerify.#.sitename= <i>Site</i>	# is the criteria group number. <i>Site</i> is a string, which indicates the DIVArchive sitename. This is DIVAnet sitename of a remote DIVA site or local to indicate the local site.	None	No
SiteToVerify.#.media= <i>MediaType</i>	# is the criteria group number. <i>MediaType</i> is a string. If specified, an instance with this media must be present on the site.	None	No
SiteToVerify.#.numTapeInstances= <i>Num</i>	# is the criteria group number. <i>Num</i> is an integer (1 to 100). If specified, the site must contain at least this many tape instances of the object.	None	No
SiteToVerify.#.numInstances= <i>Num</i>	# is the criteria group number. <i>Num</i> is an integer (1 to 100). If specified, the site must contain at least this many total instances of the object.	None	No

Site to Purge Configuration Parameters

You must specify the site name and array name to purge from. The site number distinguishes one group of related parameters from another. For DIVArchive 7.4, only one array may be monitored, therefore the site number would be 1 (for example *SiteToPurge.1.sitename=local*).

Site to Purge Parameter	Description	Default Value	Required
SiteToPurge.#.sitename= <i>Site</i>	# is the site number <i>Site</i> is a string, which indicates the DIVAnet sitename of the local DIVArchive system.	none	Yes
SiteToPurge.#.watermarkedArrayName= <i>ArrayName</i>	# is the site number <i>ArrayName</i> is a string, which indicates the name of the array to monitor and purge from.	none	Yes
SiteToPurge.#.highWatermark= <i>Num</i>	# is the site number <i>Num</i> is an integer (1 to 100), which indicates the percentage an array must be full to start the purge process.	none	Yes
SiteToPurge.#.lowWatermark= <i>Num</i>	# is the site number <i>Num</i> is an integer (1 to 100), which indicates the percentage an array must be full to stop a purge process that is already active.	none	Yes

Categories Configuration Parameters

Specifying categories is optional. This parameter specifies the categories of objects to consider for deletion. If not specified, the default is all categories.

Categories Parameter	Description	Default Value	Required
CategoryIncludeFilter.#= <i>Category</i>	# is an integer, which starts at 1 and increments by 1 for each additional filter. <i>Category</i> is a string. Any purged object must match one of these categories. Wildcards (asterisks *) are allowed.	All	Yes

DIVAnet Configuration Parameters

This information is required to connect to DIVAnet.

DIVAnet Parameter	Description	Default Value	Required
Divanet.address= <i>Address</i>	<i>Address</i> is the IP address of the DIVAnet server.	none	Yes
Divanet.port= <i>Num</i>	<i>Num</i> is a positive integer, which indicates the port of the DIVAnet server.	none	Yes
Divanet.user= <i>UserName</i>	<i>UserName</i> is the user name for the DIVAnet API connection.	none	Yes
Divanet.password= <i>Password</i>	<i>Password</i> is the password for the DIVAnet API connection.	none	Yes

DIVAnet Database Configuration Parameters

This information is required to connect to the DIVAnet database.

DIVAnet Database Parameter	Description	Default Value	Required
DivanetDb.address= <i>Address</i>	<i>Address</i> is the IP address of the DIVAnet database.	none	Yes
DivanetDb.port= <i>Num</i>	<i>Num</i> is a positive integer, which indicates the port of the DIVAnet database.	1521	No
DivanetDb.user= <i>UserName</i>	<i>UserName</i> is the user name for the DIVAnet database.	none	Yes
DivanetDb.password= <i>Password</i>	<i>Password</i> is the password for the DIVAnet database.	none	Yes
DivanetDb.sid= <i>Database_sid</i>	<i>Database_sid</i> is the SID of the DIVAnet database.	lib5	No

Local DIVArchive Database Configuration Parameters

This information is required to connect to the local DIVArchive database.

Local DIVA Database Parameter	Description	Default Value	Required
LocalDivaDb.address= <i>Address</i>	<i>Address</i> is the IP address of the local DIVArchive database (the Manager database).	none	Yes
LocalDivaDb.port= <i>Num</i>	<i>Num</i> is a positive integer, which indicates the port of the local DIVArchive database.	1521	No
LocalDivaDb.user= <i>UserName</i>	<i>UserName</i> is the user name for the local DIVArchive database.	none	Yes
LocalDivaDb.password= <i>Password</i>	<i>Password</i> is the password for the local DIVArchive database.	none	Yes
LocalDivaDb.sid= <i>Database_sid</i>	<i>Database_sid</i> is the SID of the local DIVArchive database.	lib5	No

Running Local Delete Using the Batch File

All Windows batch files (.bat) have corresponding shell scripts (.sh) in Linux. You must substitute Windows paths with Linux paths when operating on Linux. For example, the Windows path C:\DIVA\Program will be /home/diva/DIVA/Program when running under Linux.

Note: Linux commands, paths and file names are case-sensitive.

The command line console must remain open while Local Delete is running. Closing the window will stop Local Delete.

1. Open a Windows command prompt or Linux terminal.
2. Change to the following folder:


```
cd %DIVA_HOME%\Program\Utilities\bin (in Windows)
cd /home/diva/DIVA/Program/Utilities/bin (in Linux)
```
3. Execute the batch file without any command line parameters to start Local Delete.


```
lynxLocalDelete.bat
```
4. If you see Local Delete Utility is running, the module started successfully.

Installing or Uninstalling Local Delete as a Service

Oracle recommends installing Local Delete as a service. `lynxLocalDelete.bat` supports the installation and uninstallation of the Local Delete service using the `-i` and `-u` options, respectively.

Refer to the Linux installation instructions in the *Oracle DIVArchive Installation and Configuration Guide* in the *Oracle DIVArchive 7.4 Core Documentation* library for Linux-specific directions concerning running DIVArchive components as services under Linux.

Note: The Local Delete service will be installed using the configuration file found in the `%DIVA_HOME%\conf\lynxlocaldelete\` folder in Windows, or in the `/home/diva/DIVA/conf/lynxlocaldelete/` directory in Linux.

If you use a configuration file other than the default, specify the file with the `-conf` or `-f` options.

1. Open a Windows command prompt or Linux terminal.

2. Change to the following folder:

```
cd %DIVA_HOME%\Program\Utilities\bin (in Windows)
```

```
cd /home/diva/DIVA/Program/Utilities/bin (in Linux)
```

3. Execute the batch file with the **-i** option (to install) or **-u** option (to uninstall). For example, to install Local Delete as a service:

```
lynxLocalDelete.bat -i (in Windows)
```

```
lynxLocalDelete.sh -i (in Linux)
```


Troubleshooting

Scenario	Description
Local Delete cannot connect to DIVAnet on start.	An error message will be written to the log file and a reconnection attempt will be made after the period specified in the <code>Check_Interval</code> parameter in configuration file.
Connection to DIVAnet is lost.	An error message will be written to the log file and a reconnection attempt will be made after the period specified in the <code>Check_Interval</code> parameter in configuration file.
DIVAnet returns a <code>DIVA_ERROR</code> as a response to a <code>getObjectDetailsList</code> request.	The error is logged and the current processing cycle is interrupted by Local Delete. After the configured amount of time specified in the <code>Check_Interval</code> parameter in configuration file has passed, a new processing cycle is started using the <code>initialTime</code> parameter value for the last cleaned object (this time is stored in a separate file each time when an object is cleaned).
Delete request failed.	Local Delete will wait for the delete operation to finish. In case the delete request fails, the error will be logged and Local Delete will not attempt to retry the failed delete request.
Power Failure, Operational System Crash, and so on.	The customer is responsible for configuring the Windows Scheduled Task for Local Delete that will restart the application.
Local Delete cannot read from, or write to, the file that stores the creation date of last cleaned object.	The error is logged and Local Delete will periodically try to repeat the I/O operation.
Limitation: Only one instance of Local Delete can be run at a time in ASAP Mode.	Only one instance of Local Delete can be run in ASAP Mode. It is possible to run multiple Local Delete instances in Delayed Purge Mode if unique Windows Services names are provided. The customer is responsible for following these limitations.
The configuration file is not accessible.	The error is logged and Local Delete is stopped.
The configuration file is not valid.	The error is logged and Local Delete is stopped.

ASAP Mode (Default) Configuration File

```
# Name for Local Delete Windows Service
LYNX_SERVICE_NAME=

# DIVAnet AG IP address
DIVANET_IP=127.0.0.1

# DIVAnet AG port
DIVANET_PORT=9500

# DIVAnet AG user name
DIVANET_USER_NAME=admin

# DIVAnet AG user password
DIVANET_USER_PASSWORD=diva

# Local DIVArchive Name
LOCAL_DIVARCHIVE_NAME=diva_local

# LYNXdr DIVArchive Name
LYNX_DIVARCHIVE_NAME.1=diva_lynxDr_1

# This parameter defines delay in minutes. It ensures that LYNX
# Local Delete will always check for objects modified at least
# DIVANET_SYNC_DELAY minutes ago, so that DIVAnet will have time to
# update info about new objects instances in its database.
# WARNING: This parameter's value should always be greater then godlFetchThreshold
# parameter value from DIVAnet configuration.
DIVANET_SYNC_DELAY=20

# Start Time for checking. Date in US format: MM/DD/YYYY
# DEFAULT: 01/01/2000
# PLEASE NOTE THAT ONCE STARTED, THIS PROPERTY WILL NOT BE APPLIED
# AGAIN
CHECK_START_TIME=01/01/2000

# End Time for checking. Date in US format: MM/DD/YYYY
# Empty for no End Time definition
# DEFAULT: empty
CHECK_END_TIME=

# Interval in minutes between two consecutive Local Delete
# checks. Actual interval may be larger than CHECK_INTERVAL since
# program will do check and deletes between intervals
CHECK_INTERVAL=1
```

```

# Category list handled by Local Delete workflow
# Should be in the format compatible with the getObjectDetailsList
# If you want allow all categories then use following template:
# CATEGORY_TEMPLATE.1=*
CATEGORY_TEMPLATE.1=lynx
CATEGORY_TEMPLATE.2=test*
CATEGORY_TEMPLATE.3=movies
CATEGORY_TEMPLATE.4=news

# Number of object instances to be created in LYNXdr before local
# object instances deletion
# Default: 2
LYNX_INSTANCES_COUNT=2

# Define which local instances to delete when content has been
# successfully replicated to LYNXdr
# "DISK" triggers the automatic deletion of disk-only local
# instances
# "ALL" triggers the automatic deletion of all local instance (disk
# & tape)
LOCAL_MEDIA_TYPE=ALL

# Priority used for delete requests.
# Default: 50
DELETE_REQUEST_PRIORITY=50

# Number of simultaneous deletes allowed
# Acceptable values: 1 - 10, Default: 3

SIMULTANEOUS_DELETE_OPERATIONS=3

*****
#Wrapper Properties
*****

# Java Application

wrapper.java.command=$JAVA_HOME/bin/java

# Java Main class. This class must implement the WrapperListener
# interface or guarantee that the WrapperManager class is
# initialized. Helper classes are provided to do this for you.
# See the Integration section of the documentation for details.

wrapper.java.mainclass=com.storagetek.diva.lynxLocalDelete.control.TanukiLauncher

# Java Classpath (include wrapper.jar) Add class path elements as
# needed starting from 1
wrapper.java.classpath.1=../../Program/Utilities/lib/*.jar

#Wrapper application parameters
wrapper.java.app.parameter.1=
wrapper.java.app.parameter.2=
wrapper.java.app.parameter.3=
wrapper.java.app.parameter.4=

# Java Library Path (location of Wrapper.DLL or libwrapper.so)

wrapper.java.library.path.1=

```

```

# Java Additional Parameters

#wrapper.java.additional.1=

# Initial Java Heap Size (in MB)

wrapper.java.initmemory=256

# Maximum Java Heap Size (in MB)

wrapper.java.maxmemory=256

# Application parameters.  Add parameters as needed starting from 1
#*****

# Wrapper Logging Properties

#*****

# Format of output for the console.  (See docs for formats)

wrapper.console.format=PM

# Log Level for console output.  (See docs for log levels)

wrapper.console.loglevel=INFO

# Log file to use for wrapper output logging.

wrapper.logfile=

# Format of output for the log file.  (See docs for formats)

wrapper.logfile.format=LPTM

# Log Level for log file output.  (See docs for log levels)

wrapper.logfile.loglevel=INFO

# Maximum size that the log file will be allowed to grow to before
# the log is rolled.  Size is specified in bytes.  The default value
# of 0, disables log rolling.  May abbreviate with the 'k' (kb) or
# 'm' (mb) suffix.  For example: 10m = 10 megabytes.

wrapper.logfile.maxsize=10m

# Maximum number of rolled log files which will be allowed before
# old files are deleted.  The default value of 0 implies no limit.

wrapper.logfile.maxfiles=4

# Log Level for sys/event log output.  (See docs for log levels)

wrapper.syslog.loglevel=NONE

#*****
# Wrapper Windows Properties
#*****

```

```
# Title to use when running as a console

wrapper.console.title=DIVArchive LYNXLocalDelete

*****
# Wrapper Windows NT/2000/XP Service Properties
*****

# WARNING - Do not modify any of these properties when an
# application using this configuration file has been installed as a
# service.
# Please uninstall the service before modifying this section. The
# service can then be reinstalled.

# Name of the service

wrapper.ntservice.name=DivaLld

# Display name of the service

wrapper.ntservice.displayname=DIVArchive LYNXLocalDelete Service

# Description of the service

wrapper.ntservice.description=DIVArchive Lynx Local Delete provides cleaning
service for local environment from objects which are stored on remote environments

# Service dependencies. Add dependencies as needed starting from 1

wrapper.ntservice.dependency.1=

# Mode in which the service is installed. AUTO_START or DEMAND_START

wrapper.ntservice.starttype=AUTO_START

# Allow the service to interact with the desktop.

wrapper.ntservice.interactive=false
```

Delayed Mode Configuration File

```
# The parameters at the very bottom of the file are to control the
# service and logging. The parameters are set to their recommended
# values, and should not be changed without consulting an Oracle
# representative.
#
PurgeMode=delayed
DeleteRequestPriority=70
SimultaneousDeleteOperations=25

# 2. Site Verify Criteria (here, we must have 1 tape instance on
# the DR site, and one instance on a local array called
# "remoteArray".)
SiteToVerify.1.sitename=lynxDR
SiteToVerify.1.numTapeInstances=1
SiteToVerify.2.sitename=local
SiteToVerify.2.media=remoteArray

# 3. Site to Purge parameters:
SiteToPurge.1.sitename=local
SiteToPurge.1.watermarkedArrayName=localArray1
SiteToPurge.1.highWatermark=70
SiteToPurge.1.lowWatermark=50

# 4. Category Include Filter parameters:
CategoryIncludeFilter.1= MOVIE*
CategoryIncludeFilter.2= AVID

# 5. DIVAnet Access Gateway parameters:
Divanet.address=127.0.0.1
Divanet.port=9500
Divanet.username=diva
Divanet.password=diva

# 6. DIVAnet Database parameters:
DivanetDb.address=127.0.0.1
DivanetDb.port=1521
DivanetDb.user=diva
DivanetDb.password=diva
DivanetDb.sid=lib5

# 7. Local Database parameters: (defaults to diva/lib5, with
# sid=lib5)
LocalDivaDb.address=168.45.34.23
LocalDivaDb.port=9000
```

```

*****
# The rest of the parameters are to control the service and
# logging.
# These parameters are set to the recommended default values and
# should not be changed without consulting with a Front Porch
# Digital representative.
#
*****

# Java Application
wrapper.java.command=$JAVA_HOME/bin/java

# Java Main class. This class must implement the WrapperListener
# interface or guarantee that the WrapperManager class is
# initialized. Helper classes are provided to do this for you. See
# the Integration section of the documentation for details.
wrapper.java.mainclass=com.storagetek.diva lynxLocalDelete.control.TanukiLauncher

# Java Classpath (include wrapper.jar) Add class path elements as
# needed starting from 1
wrapper.java.classpath.1=../../Program/Utilities/lib/*.jar

#Wrapper application parameters
wrapper.java.app.parameter.1=
wrapper.java.app.parameter.2=
wrapper.java.app.parameter.3=
wrapper.java.app.parameter.4=

# Java Library Path (location of Wrapper.DLL or libwrapper.so)
wrapper.java.library.path.1=.

# Java Additional Parameters

# Initial Java Heap Size (in MB)
wrapper.java.initmemory=256

# Maximum Java Heap Size (in MB)
wrapper.java.maxmemory=256
*****
# Wrapper Logging Properties
*****

# Format of output for the console. (See docs for formats)
wrapper.console.format=PM

# Log Level for console output. (See docs for log levels)
wrapper.console.loglevel=INFO

# Log file to use for wrapper output logging.
wrapper.logfile=

# Format of output for the log file. (See docs for formats)
wrapper.logfile.format=LPTM

# Log Level for log file output. (See docs for log levels)
wrapper.logfile.loglevel=INFO

# Maximum size that the log file will be allowed to grow to before
# the log is rolled. Size is specified in bytes. The default value

```

```

# of 0, disables log rolling. May abbreviate with the 'k' (kb) or
# 'm' (mb) suffix. For example: 10m = 10 megabytes.
wrapper.logfile.maxsize=10m

# Maximum number of rolled log files which will be allowed before
# old files are deleted. The default value of 0 implies no limit.
wrapper.logfile.maxfiles=4

# Log Level for sys/event log output. (See docs for log levels)
wrapper.syslog.loglevel=NONE

*****
# Wrapper Windows Properties
*****
# Title to use when running as a console
wrapper.console.title=DIVArchive LYNXLocalDelete

*****
# Wrapper Windows NT/2000/XP Service Properties
*****

# WARNING - Do not modify any of these properties when an
# application using this configuration file has been installed as a
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# Please uninstall the service before modifying this section. The
# service can then be reinstalled.

# Name of the service
wrapper.ntservice.name=DivaLld

# Display name of the service
wrapper.ntservice.displayname=DIVArchive LYNXLocalDelete Service

# Description of the service
wrapper.ntservice.description=DIVArchive Lynx Local Delete provides cleaning
service for local environment from objects which are stored on remote environments

# Service dependencies. Add dependencies as needed starting from 1
wrapper.ntservice.dependency.1=

# Mode in which the service is installed. AUTO_START or
# DEMAND_START
wrapper.ntservice.starttype=AUTO_START

# Allow the service to interact with the desktop.
wrapper.ntservice.interactive=false

```

