

YADE User Manual - Transfer History & Background Service

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Introduction

The YADE Background Service provides a centralized transfer history collection, storage and viewing function for any number of YADE Clients. It is important that this service provides both *prompt* and *reliable* information and therefore two approaches for handling the history information can be configured in YADE.

Overview

See the [YADE Component Architecture](#) article for a schematic overview that includes the Background Service.

The YADE history file

- YADE can be configured to write the history information directly to this file after each transfer session has been completed. Note that the history information is directly written by YADE and is not an extract from the log files.
- The history file is usually located on the same server as the YADE Client itself.
- This file is then read at regular intervals by the (central) JobScheduler that provides the Background Service. This information is then stored in the (central) transfer history database.
- YADE and the Background Service can be configured to limit the size of the history file and avoid read/write conflicts between YADE and the Background Service.
- See the [YADE Parameter Reference - SystemPropertyFiles](#) article for more detailed information about the configuration of the YADE history file. The automatic importing of the history file by the JobScheduler is described in more detail in the [YADE Background Service Automation](#) article.

The YADE BackgroundService

There are two methods with which the YADE Background Service can import the file transfer history to a database. Both methods can be applied at the same time to receive file transfer information immediately *and* reliably.

Immediate and transient history information

- YADE can be configured to send the history information after each transfer session has been completed immediately to the JobScheduler providing the Background Service. This information is sent using the UDP protocol in a 'fire and forget' manner.
- The JobScheduler then uses the YADE Background Service jobs to write the history information to the transfer history database.
- The history information is lost if the JobScheduler providing the Background Service is not available at the time of transmission.
- See the [YADE Parameter Reference - BackgroundServiceFragmentRef](#) article for more detailed information about the configuration of the YADE BackgroundService.

Delayed and persistent history information

- The YADE Background Service provides *delayed* transfer of the history information to the transfer history database and the [YADE Background Service History Viewer](#) or other viewing, reporting or notification system.
- The Background Service jobs copy the history file of each YADE instance to a central server and import the data to the transfer history database.

For more information

- See the [YADE Component Architecture](#) article for an overview of how YADE, the transfer history and the Background Service integrate and links leading to further information sources.