



Rosetta-DigiTool Integration Guide

Version 2.2

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Rosetta-DigiTool Interface

This section includes:

- **Introduction** on page 5
- **Submission Jobs** on page 5

Introduction

The purpose of this interface is to integrate DigiTool with Rosetta so that the two products can work together, with DigiTool handling ingest and delivery tasks and Rosetta handling preservation tasks.

The data, which includes the relevant digital entities and their related file streams, is saved in DigiTool and exported to a folder that is accessible to Rosetta via submission jobs.

Submission Jobs

Submission jobs extract the exported DigiTool data using the configured submission format (NFS, FTP, or SFTP) from the predefined folder (configured in the material flow). Digital entities that have not been completely exported by DigiTool will be prefixed with a tilde (~) by DigiTool. After the export completes, DigiTool renames the folder and removes the prefixes to indicate that the digital entities are ready for harvesting by Rosetta.

Each folder (exported digital entity) that is being processed by Rosetta is prefixed with a tilde (~). Upon completion of the upload process, a new deposit activity is created containing the job's input parameters, which are defined in the Deposit configuration.

Depending on whether the content structure is configured to be simple or complex, a single exported digital entity can be uploaded to Rosetta as follows:

- **Complex** – A single IE that contains a single representation (Preservation Master) and multiple files
- **Simple** – Multiple IEs, each containing a single representation (Preservation Master) and a single file

Directory Structure

DigiTool exports the data using the following structure:

- **//PredefinedFolderForSF** – This is the target directory for DigiTool’s exported data (configured in DigiTool). Rosetta will access this folder (which is configured in the submission format to be used) and run ingests for the newly exported data.
- **//PredefinedFolderForSF/<DigitalEntitySeqNo>** – This directory contains the data of a single digital entity that will be uploaded to Rosetta. The SeqNo to be used is the DigiTool unique PID.
- **//PredefinedFolderForSF/<DigitalEntitySeqNo>/content/dc.xml** – DigiTool replicates the digital entity descriptive metadata (if it exists) in a DC format to the dc.xml file. The descriptive metadata will be used by Rosetta as the descriptive metadata for both the SIP and the IE.
- **//PredefinedFolderForSF/<DigitalEntitySeqNo>/content/streams** – This directory contains all of the digital entity associated streams. All the files will be uploaded in a single representation to Rosetta.

Submission Job UI

The Manage Scheduled Jobs page in the Management UI allows Negotiators to create and schedule submission jobs for material flows.



Name	Previous Fire Time	Next Fire Time	Frequency	State			
1 Submission Job4hY	-	-	Every 1 hour/s	Not Running	View	Edit	Run Now
2 Submission Job5oS	29/07/2011 23:40:00	30/07/2011 14:40:00	Every 1 hour/s	Normal	View	Edit	Run Now

Figure 1: Manage Scheduled Jobs Page

To access this page, click the **Submission Job** link on the Home > Producers > Configure Settings page. For more information on scheduling submission jobs, see the *Rosetta Staff User's Guide*.

