

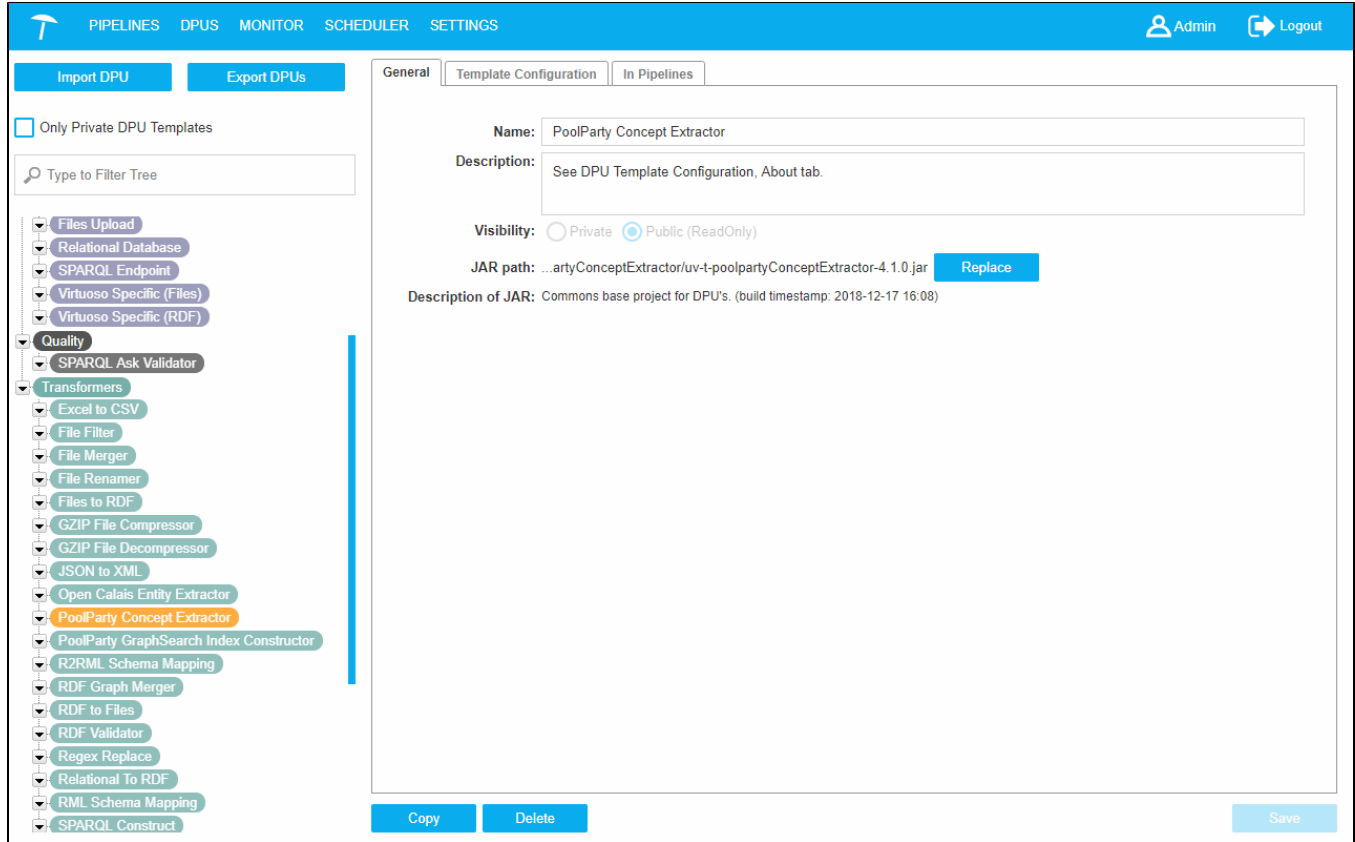
PoolParty UnifiedViews DPU Development

This section provides a detailed guide on how to create **Data Processing Units** (DPUs) for UnifiedViews.

In UnifiedViews, the smallest element you can use to process your data is the **Data Processing Unit** or DPU. They represent the plugins in UnifiedViews terms. They are used to create the data processing pipelines in UnifiedViews you can also use via the REST API.

DPUs and their smallest developing units, the **Data Units** are stored and configured in the RDF data format, in a graph database.

This chapter is dedicated to explaining basic concepts and the creation of DPUs for developers.



The screenshot shows the PoolParty UnifiedViews web interface for configuring a DPU. The top navigation bar includes 'PIPELINES', 'DPUS', 'MONITOR', 'SCHEDULER', and 'SETTINGS'. The user is logged in as 'Admin'. The main interface is divided into a left sidebar and a main configuration area.

Left Sidebar: A tree view of DPU categories. The 'Transformers' category is expanded, showing various DPU types such as 'Excel to CSV', 'File Filter', 'File Merger', 'File Renamer', 'Files to RDF', 'GZIP File Compressor', 'GZIP File Decompressor', 'JSON to XML', 'Open Calais Entity Extractor', 'PoolParty Concept Extractor' (highlighted in orange), 'PoolParty GraphSearch Index Constructor', 'R2RML Schema Mapping', 'RDF Graph Merger', 'RDF to Files', 'RDF Validator', 'Regex Replace', 'Relational To RDF', 'RML Schema Mapping', and 'SPARQL Construct'.

Main Configuration Area: The 'General' tab is active. It contains the following fields and controls:

- Name:** PoolParty Concept Extractor
- Description:** See DPU Template Configuration, About tab.
- Visibility:** Radio buttons for 'Private' and 'Public (ReadOnly)'. 'Public (ReadOnly)' is selected.
- JAR path:** ...artyConceptExtractor/uv-t-poolpartyConceptExtractor-4.1.0.jar. A 'Replace' button is next to it.
- Description of JAR:** Commons base project for DPU's. (build timestamp: 2018-12-17 16:08)

At the bottom of the configuration area, there are 'Copy', 'Delete', and 'Save' buttons.

Tutorials for Creation of DPUs for UnifiedViews

Find the tutorials for DPU creation in this chapter: [Developing DPUs in PoolParty UnifiedViews](#)

The following topics will help you to create your own DPUs:

- [Basic Concepts for DPU Developers](#)
- [Developing DPUs in PoolParty UnifiedViews](#)
- [Advanced DPU Topics](#)
- [Best Practices for UnifiedViews Data Units Naming](#)
- [UnifiedViews DPU Migration from Version 7.0 Or Older to UnifiedViews DPU 8.0](#)