



# Services and Technologies Discussion

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# Existing Tools (1 of 2)

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## Validator

Determines compliance with SPASE data model.

### [XML Validate](#)

Test a web accessible SPASE description against a selected version of the data dictionary.

Source code and class files: [validate.jar](#)

## Parser

Parse SPASE XML

### [Parser](#)

The SPASE XML parser is a collection of Java classes which can parse XML descriptions and load the information into a directly accessible form.

Source code and class files: [parser.jar](#)

## Editor

### Web-based Editors

#### [Web Editor \(Try it!\)](#)

The web SPASE XML editor can be used to create or alter SPASE XML descriptions.

Source code and class files: [editor.jar](#)

### Standalone Editors

#### [SPASE Assistant \(Try it!\)](#)

SPASE Assistant is a program intended to ease the creation and editing of SPASE compliant XML files. It offers a simple tab interface to switch between the ...

### Editors with Database storage

#### [Web+DB Editor \(Try it!\)](#)

The web SPASE XML editor with a database for storage. You can create SPASE XML resource descriptions which are stored in a database. You can then extract this definitions in XML.



# Existing Tools (2 of 2)

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## Generator

Create SPASE descriptions using external sources of information.

### [Ruleset Description Generator](#)

Using a simple scripting language and templates you can quickly generate descriptions and documentation for resources. This is a command line tool which can be used to process one file or an entire directory tree of files.

## Harvester

Extracts information from SPASE resource descriptions (or registries)

### [SPASE Registry Server \(Try it!\)](#)

The SPASE Registry Server is a java application which can harvest resource descriptions expressed in SPASE XML and provide a search service for this descriptions. It can also chain to other registry servers and aggregate all results, returning all matches in a self-organized network of registry servers. It can be run as either a servlet or bean. It uses the [SPASE XML Parser](#) package to harvest resource descriptions.

### [SPASE Database Query \(Try it!\)](#)

Query a relational database of SPASE metadata.

## Wrapper

Convert or embed SPASE metadata in other descriptions or forms (i.e., OAI)

### [Data Dictionary Lookup](#)

You can request information from the on-line SPASE data dictionary in XML and use it in other applications. An example application to provide context sensitive help on SPASE terms is described.

### [SPASE-to-OAI mapping](#)

A study of how to map SPASE metadata to the Open Archive Initiative (OAI) metadata using stylesheets.



# Moving Forward

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- Use Cases first?
- Specific tools?