Project : XML Validation

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Agenda

Introduction:

What is RSS

What is XML

Steps for Projects

Timeline

Summary

Objective of Project:

Benefits of project:

Choose your news
With RSS you can choose to view the news you want, the news that interest you and are relevant to your work.

Remove unwanted information
With RSS you can (finally) separate wanted information from unwanted information (spam)!

Increase your site traffic
With RSS you can create your own news channel, and publish it to the Internet!

What is RSS?

- RSS stands for **R**eally **S**imple **S**yndication
- RSS allows you to syndicate your site content
- RSS defines an easy way to share and view headlines and content
- RSS files can be automatically updated
- RSS allows personalized views for different sites
- RSS is written in XML

Why use RSS?

RSS was designed to show selected data.

Without RSS, users will have to check your site daily for new updates. This may be too time-consuming for many users. With an RSS feed (RSS is often called a News feed or RSS feed) they can check your site faster using an RSS aggregator (a site or program that gathers and sorts out RSS feeds).

Since RSS data is small and fast-loading, it can easily be used with services like cell phones or PDA's.

Web-rings with similar information can easily share data on their web sites to make them better and more useful.

What is XML?

- XML stands for extensible Markup Language
- XML is a markup language much like HTML
- XML was designed to store and transport data
- XML was designed to be self-descriptive
- XML is a W3C Recommendation

What is XML validation:

XML validation is the process of determining whether the structure, content, and data types of an XML document are valid. XML validation also strips off *ignorable whitespace* in the XML document.

Validation is optional but highly recommended when data integrity is in question, since it ensures that XML documents abide by the rules provided by their XML schemas on top of being well-formed.

Note that you can validate your XML documents against XML schemas only. You cannot validate an XML document against a DTD.

How Validate XML:

To validate an XML document, use the XMLVALIDATE function. You can specify XMLVALIDATE with an SQL statement that inserts or updates XML documents in a DB2® database. For automatic validation of XML documents, a BEFORE trigger on an XML column can also invoke the XMLVALIDATE function. To enforce validation of XML documents, you create a check constraint.

Before you can invoke the XMLVALIDATE function, all schema documents that make up an XML schema must be registered in the built-in XML schema repository. An XML document itself does not need to be in a database in order for you to be able to validate it with XMLVALIDATE.

Data Base

A database is **an organized collection of structured information, or data, typically stored electronically in a computer system**. A database is usually controlled by a database management system (DBMS).

What is XSLT?

Before XSLT, first we should learn about XSL. XSL stands for EXtensible Stylesheet Language. It is a styling language for XML just like CSS is a styling language for HTML.

XSLT stands for XSL Transformation. It is used to transform XML documents into other formats (like transforming XML into HTML).

RSS Generator

First of all it's an online RSS feed generator.
This service allows you to create RSS feed out of almost any web page.
Your only task is to provide us with target URL and point on desired blocks in our visual RSS builder.
The rest is our job. And you get your feed in seconds

Auto updated RSS

Once you've created your RSS feed it starts updating automatically.
All RSS feed content is updated each time there is something new in target web page. No need to generate RSS each time to refresh it.
We are constantly monitoring each of your RSS feeds sources
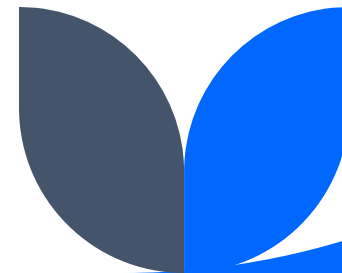
Feed provider

We store your RSS feed in your account on our cloud servers.
We generate a unique URL for each feed you've created.
This URL can be used in HTML code at your website. It can also be provided to one of many RSS readers or any other RSS-related service.
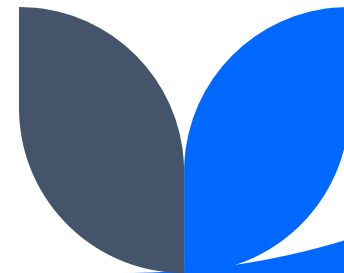
RSS from social networks

Creating RSS feed from social networks is even simpler. Just enter a URL you want to get RSS from and get your XML file URL immediately.
This URL can be a link to any user or page from major social networks like Facebook, Twitter and so on.
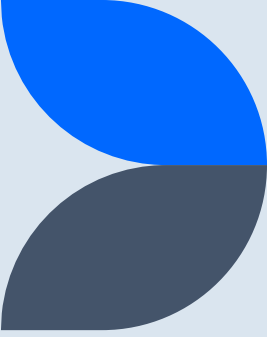Two simple steps: enter a URL and click on Generate RSS button. Nothing more.

RSS Feeds are an easy way to stay up to date with your favorite websites, such as blogs or online magazines. If a site offers an RSS feed, you get notified whenever a post goes up, and then you can read a summary or the whole post

Steps for project

1	2	3	4	5
Data Base	Xml *validation* **Xstl**	Xml-RSS Enable	RSS format	Feed

Timeline

Oct 2022

Title Selction

Nov 2022

Creation of poster for project presentation

Meeting with guide

Nov 2022

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…... 20XX

Summary

we believe in giving 110%. By using RSS feed **for website owners to share their content with others**. We thrive because of our market knowledge and great team behind our product. Our project allow users to syndicate their content so that people can subscribe to it and receive updates when you make changes."

Thank you