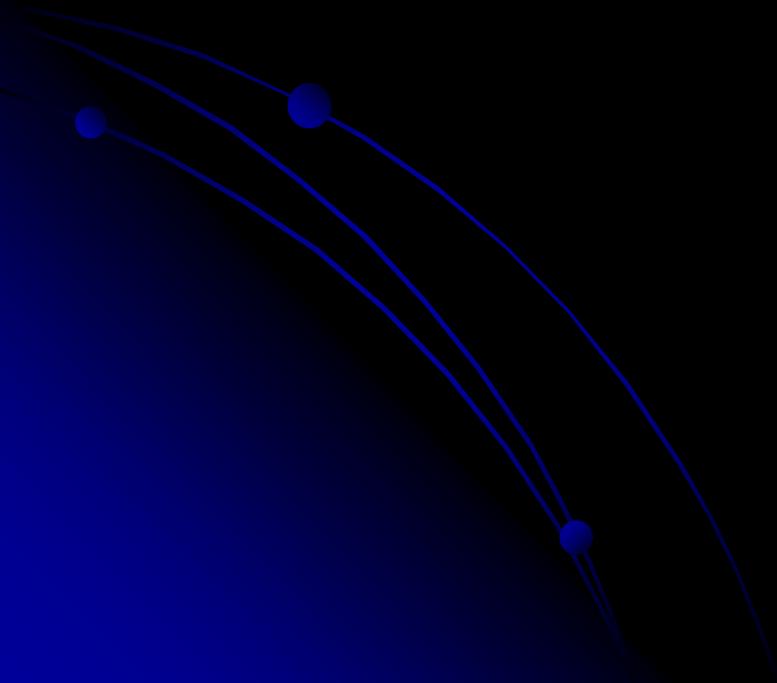


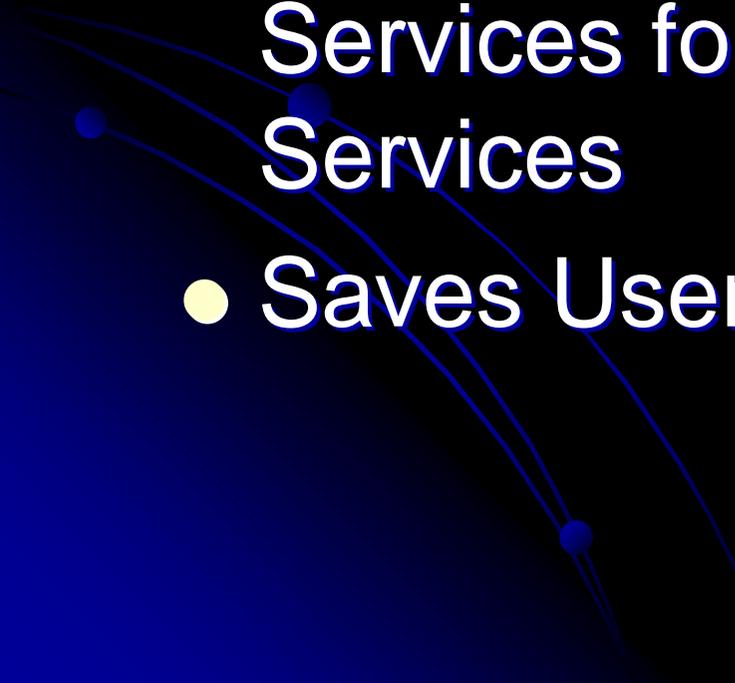
# .NET Node Demonstration



# .NET Node Features

- Provides a configurable pluggable architecture
- Supports dynamic queries without coding
- Configuration Driven Design with zero coding dataflow design and deployment
- Supports Really Really Simple Syndication

# .NET Node Features

- Tracks User Activity
  - Has Advanced Search Features
  - Simplifies Using Network Services
  - Uses the Exchange Network Discovery Services for Finding and Consuming Web Services
  - Saves Users Queries
- 

# Potential Uses

- Emergency Response
- Auditing Dataflows
- Error Reporting and Transaction Tracking
- Creating New Publication Channels
  - Automatic Publishing of Standard Reports
  - Desktop Publishing
- Desktop Integration for Data Consumers
- Making Exchange Network More Visible to Program Managers
- State RSS Syndication
- Publicize Availability of Services

# Basic Syndication Workflow

- Publishers describe and submit documents
- Users subscribe to the new RSS Environmental data Channels
- The Node services store documents in a repository and publish RSS items
- The meta-information is pushed to the subscriber's RSS news reader
- The subscriber can click on the document title to view the document detail or download the document (after an authentication process)

# RSS Integration

- Information Availability
  - Latest Information Published becomes Visible thru RSS Feeds
  - RSS Feeds are Automatically Generated
- Information Access
  - Users Subscribe to various Channels of Information
    - OZONE Data
    - Particulate Matter 2.5
    - AQS Submissions
    - All Categories
  - Users Can Find/Review Data Summaries from RSS
  - Download the data from CDX / any participating Node

# Information Search Services

- ***Full-text Search***

- Search all documents using keywords, time range, dataflow and publisher as filters.
- Results rendered as RSS feed
- User downloads the document or displays it directly

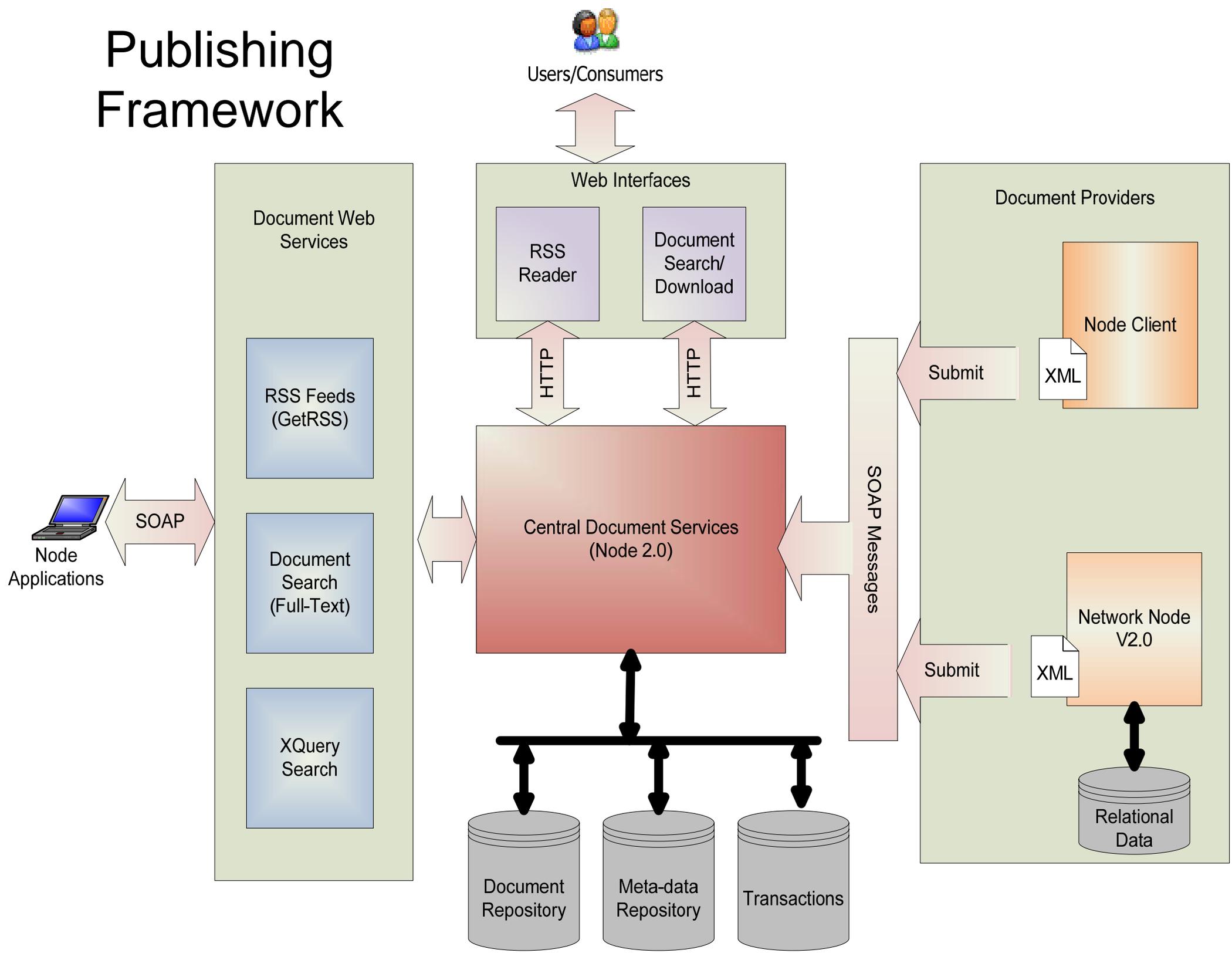
- **Keyword Search**

- Data services for searching documents based on keywords

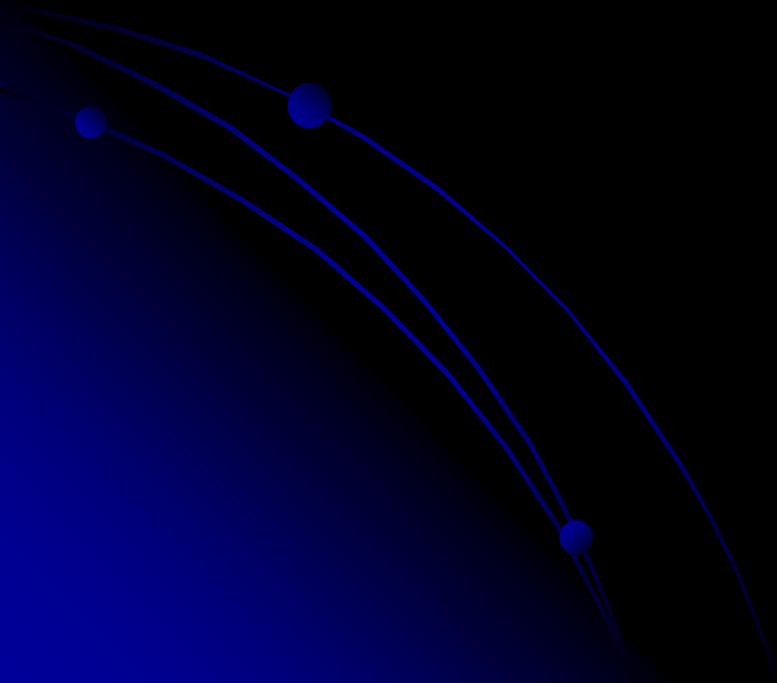
- **XQuery**

- Allows users to extract part of the information from a large XML document.
- Returns an XML document

# Publishing Framework



# Questions?



# DEMO

