



Enterprise Content Management System to Manage Digital Assets

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Introduction

Our client is a huge brand name with many businesses under their umbrella. This brand is one of the largest automakers in the world selling mid sized sedans, coupes and SUVs. They are also the world's largest ship builder and a top semiconductor producer.

Our client needed a comprehensive enterprise-level content management system to search and publish various kinds of digital media and electronic text. To effectively manage the huge volume of data, they partnered with 3S to update their existing semi-automated and manual methods.

Client Requirements

Our client required an application to easily turn the volumes of its digital assets and documents into meaningful, searchable and usable content – to best manage their operations. Their current method was dated and time-consuming. Due to manual paper handling and storing, this method was extremely error-prone and unsecure.

Our Solution

Based on a significant body of work from the open source community, we created a unified knowledge-based content management system (diagram below). We developed a practical solution to provide a unified knowledge management environment that enables the creation, access, storage and reuse of content.

This was made possible with the following technologies and methodologies:

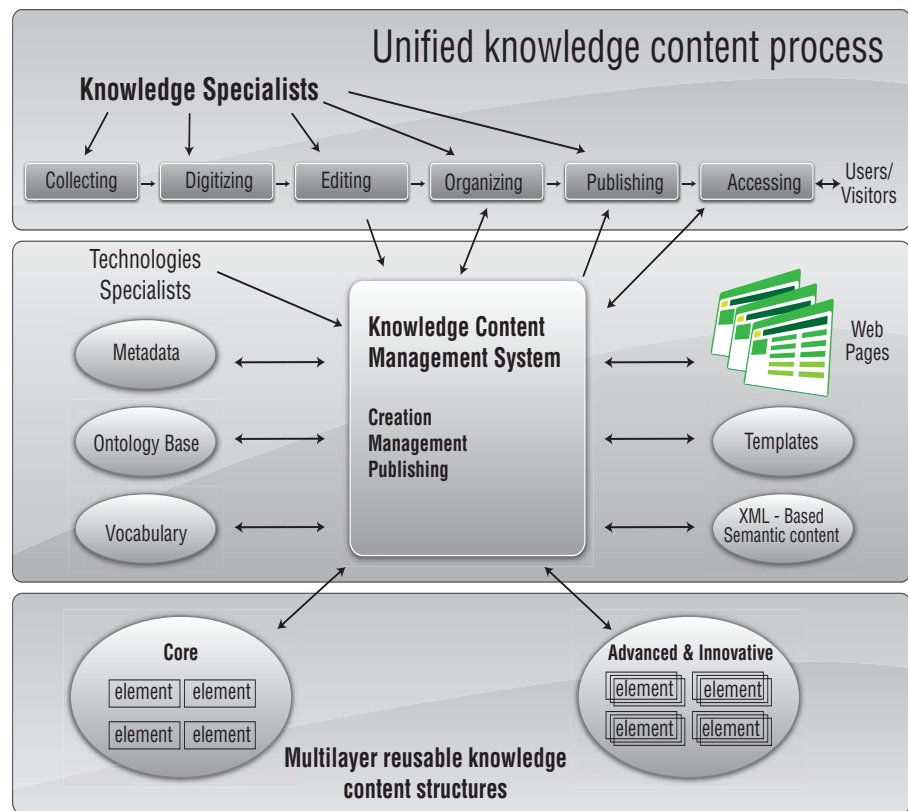
- A combination of traditional tools and agile development methods helped in minimizing risk, cost and time and maximizing efficiency.
- After a thorough analysis of the client's requirements, we chose one of the latest and most popular content management systems - Drupal. This highly scalable system offers flexibility in content display technology, high value solutions and cost efficiency as some of its many benefits.



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- Eclipse, one of the most popular Integrated Development Environment (IDE), was an obvious choice to maximize programmer productivity.
- We used Concurrent versioning system (CVS) to manage the code and provide a flexible modular database.
- The other technologies used were MySQL, Linux, Oracle 10g, and PHP.





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3S USA Inc :

3S is an information technology service specialist assisting various industries design, develop and implement a wide range of technology-based business solutions. We are committed to deliver customized agile development solutions through our offices in US, India and China.

Technology :

*SQL Server 2000
HTML
AJAX*

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To ensure smooth performance and implementation of our strategy, we created an Implementation Document outlining all key aspects of technical application requirements:

- Risk mitigation procedures
- Hardware and Software Configuration requirements
- Database requirements and considerations for all measurement
- Hardware locations and Connectivity requirements
- Network related configurations
- Application monitoring requirements
- Site preparations and pre-requisites
- Create rolls and permissions as appropriate
- Move the existing content iteratively

Benefits

With our Enterprise Content Management solution, our client's team could easily control volumes of information for a comprehensive member view, streamline business processes, and capture documents electronically. The key business advantages delivered are the following:

- Reduction of paper handling and error-prone manual processes
- Reduction of paper storage
- Reduction of lost documents
- Well categorized content reducing the content duplication resulting in cost savings
- Faster access to information
- Provide reliable and accurate audit trail
- Security in document access and modification