DIGITAL CONTENT DISTRIBUTION MANAGEMENT SYSTEM

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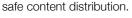
DiMaS Distribution Package (DP)

Digital Content Distribution Management System DiMaS introduces scalable near-zero cost publication of multimedia content for amateur and professional producers on existing highly popular peer-to-peer (P2P) file sharing networks together with web sites and other traditional channels using novel DiMaS Distribution Packages. Importantly, DiMaS enables publishers to insert descriptions, to manage intellectual property and userights, and to charge for the consumption. In addition, DiMaS offers its own, more business, end-user, and service oriented, multiplatform network backed with digital television settop boxes, and an extension of RSS and DVB broadcast for advanced content distribution.

However, leveraging current P2P file sharing networks for amateur and professional business faces significant issues: how to include the different content, rights, and charging descriptions in standardized metadata? How to bundle metadata and the actual content into one package rather than having them in separate files? How to make this package easily searchable and accessible by the end-user on various terminals, e.g., PC, PDA, and DTV, without creating another new file format and another new player application?

DiMaS addresses digital content distribution and consumption from the perspective of 1) consumers, 2) amateur producers, and 3) professional publishing; the consumers in easily finding and using the media they want, the amateur producers in making their creations available for large audiences, and the professional publishers in supporting their copyright and charging models. DiMaS achieves this by enabling P2P distribution of content and associated metadata, leveraging semantically rich metadata for finding and describing the content, and supporting feasible licensing, rights, and charging models.

Distribution Package (DP), a part of DiMaS, is a novel way to bundle rich metadata files with the actual content into one executable file. The DP contains built-in logic and an adjusting multiplatform user interface for browsing content descriptions, viewing a preview file, purchasing the content, invoking the content for playing, and submitting feedback. The descriptions can contain multiple licenses, e.g., in human and machine readable format, separate license variations for different legal regimes and languages, and multiple expression languages, like both ODRL and MPEG-21 REL for the same content. Each of the description files can have a separate included schema or ontology file, a map to the data. DiMaS DP includes licensing history to track back the sources of derivative works. Further, it uses a PKI-like security model and digital signatures to ensure data integrity for







Socially interactive



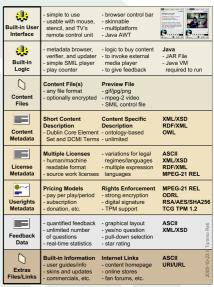


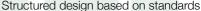
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1	Content VIDEO
	Building On The Past by Justin Cone (2004)
	Published by Creative Commons For general PG audience Language English Origin US
	First place winner of the Creative Commons moving images contest. This inspired and powerful short film uses all sorts of Prelinger Archives footage to great effect.
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DiMaS DP built-in metadata browser







DiMaS DP on a DiMaS Settop Box TV screen after DVB-T broadcasting

