

系統結構 System Architecture

多媒體資訊連結是一個不規限於某一類多媒體格式的萬維網連結，而每個連結的背後是聯繫著一組不同頻寬，格式或語言的多媒體檔案。

多媒體名稱系統的作用是根據以下的選擇將用戶轉介到不同的多媒體伺服器

- 格式
- 頻寬
- 語言
- 多媒體伺服器位置

透過資訊管理系統，資訊供應商及互聯網供應商，便可更快更容易更輕鬆的處理多媒體檔案，如：

- 自動定時多媒體檔案上傳
- 自動多媒體檔案複製

多媒體資料管理用戶介面，是特別為方便資訊供應商及互聯網供應商使用 **OPERA** 系統而設。用家只須將此介面工具運用於管理自己建立的多媒體網站內容上，即能簡易地整合系統各部份。作為連結 **OPERA** 系統的用戶介面，提供之功能包括：

- 多媒體網站內容管理、快捷而自動化的多媒體內容及多媒體資訊連結更新服務
- 多媒體網站即時預覽及校對功能
- 將支援多個作業系統環境，會提供微軟視窗和蘋果電腦之作業系統版本

Universal Multimedia Resource Locator (UMRL) is a multimedia-format independent address for the world-wide-web. For each UMRL, it represents a group of Multimedia files with different encoding format, coded bit-rate or even language.

Multimedia Name System (MNS) is used to redirect the users to the multimedia server according to the preferences of the user and other factors such as

- Encoding Format
- Coded Bit-rate
- Language
- Location of the Multimedia Server
- Loading of the Multimedia Server

Content Management Server (CMS) is introduced to simplify the management process of the Content Providers and Internet Service Providers. Some of the benefits include

- Automatic Scheduled File Uploading
- Automatic Multimedia Replication

Content Management Agent (CMA) is a Graphical User Interface (GUI) client program to allow the content manager (either in ICP or ISP) to maintain a sound aggregate of their web site and video clip. As CMA is the bridge to CMS and MNS server, it provides helper functions include:

- Web site content and video clips management and synchronization with CMS
- Local Proxy Server which allows content manager to preview / verify the ultimate web site presentation with **OPERA**
- Available in multiple Windows GUI platforms

