

マルチメディア配信システム

- No.15 コンテンツ配信アプリケーション (2) -

渡辺 裕

マルチメディア配信システム / Multimedia Distribution System

1

Multimedia Distribution System

- No.15 Content Distribution Application (2) -

Hiroshi Watanabe

マルチメディア配信システム / Multimedia Distribution System

2

Multimedia Services and Applications

- Browser
- Network Assisted Audio Distribution
- Still Image Album, Video Album
- Telephone/Videophone on the Internet
- SNS

マルチメディア配信システム / Multimedia Distribution System

3

Browser

- Internet Explorer
 - Internet Explorer 7 includes tab browser, RSS reader, search engine bar. (RSS: RDF Site Summary)
- Firefox (Mozilla)
 - Open source web browser developed by Mozilla Foundation. Versions for Windows, Linux, Mac OS X are all free.
- Safari
 - Developed by Apple Inc. Standard in Mac OS X.
- Netscape
 - Netscape Communications developed based on the newest code provided by Mozilla project.

マルチメディア配信システム / Multimedia Distribution System

4

Tab Browser in Japan

- Sleipnir
 - Free software, one of Japanese high class browser by Fenrir & Co.
- Grani
 - Browser for beginners based on Sleipnir.
- Lunascape
 - Free tab browser developed by Graduate student of Waseda Univ. (Hidekazu Kondo) using IE component.

マルチメディア配信システム / Multimedia Distribution System

5

New Browser

- Chrome
 - Provided by Google
 - Free
 - Open Source
 - Multi-process, tough against freeze
 - Search engine and URL are unified
 - Consume large memory area

マルチメディア配信システム / Multimedia Distribution System

6

Network Assisted Audio Distribution

- iTunes
 - Music Store
 - Network based music distribution
 - iPod
 - Personal music player, music can be copied from audio CD
 - Label Information
 - TOC: Table of Content
 - Length of music
 - Music title, singer, album name, file type
 - Backup
 - Personal responsibility

マルチメディア配信システム / Multimedia Distribution System

7

Network Assisted Audio Distribution (cond.)

- Windows Media Player
 - Online store
 - Napster
 - Mora (Japan)
 - HMV Digital
 - Windows Media Video
 - Video clip
 - HD
 - Combined with YouTube
 - Entertainment Office

マルチメディア配信システム / Multimedia Distribution System

8

Network Assisted Audio Distribution (cond.)

- Real Player
 - Music: Rhapsody online
 - Movie: Film.com
 - Game: Real Arcade

マルチメディア配信システム / Multimedia Distribution System

9

Still Image Album, Video Album

- Flickr (Yahoo)
 - Flickr account necessary
 - Key word based tag
 - Display order by most relevant, recent, interesting ...
 - Search photos, groups, people
- Picasa (Google)
 - Google account necessary
 - Photo sharing by friends
- Google image
 - Simple image search engine
 - Key word based
 - Map/Street view

マルチメディア配信システム / Multimedia Distribution System

10

Still Image Album, Video Album (contd.)

- YouTube (Google)
 - Founded in Feb. 2005
 - Personal broadcasting video
 - Noisy On2 technology (plug in) to MPEG-4 AVC
 - Key word based tag
 - Most recent, most viewed ...
 - Active sharing
 - Play list
 - Videos/Categories/Channels/Groups
- Deep zoom (Microsoft)
 - Hardrock cafe

マルチメディア配信システム / Multimedia Distribution System

11

Telephone/Videophone on the Internet

- Skype
 - P2P free phone system
 - Free video call
 - Messaging
 - Payment for connections to public phone
- Joost (Skype Comm.)
 - Full screen, High quality Internet TV
 - P2P streaming technology
 - IPR protection
- Fusion Communications

マルチメディア配信システム / Multimedia Distribution System

12

SNS

- Mixi
 - Started by E-Mercury in Japan
 - 10 million users
 - Diary, Friends, Community...
- MySpace
 - California, USA
 - 160 million accounts
 - Personal profile, favorite music, Forum ...
- Second Life
 - Virtual life operated by Linden Lab. USA
 - 7 million accounts
 - Online game, virtual money

» SNS: Social Networking Service

マルチメディア配信システム / Multimedia Distribution System

13

More ...

- BLOG
 - Web-log
 - Diary on the Internet
 - Tools: blogger, Movable Type
 - Unnecessary HTML knowledge
 - Affiliate program
- AdSense
 - Advertisement on Web site by Google
- SaaS
 - Software as Service
 - Monthly rental software
- Trackback
 - Track back to linked source

マルチメディア配信システム / Multimedia Distribution System

14