Intelligent Storage: Searching for "Killer Apps"

Gedas Adomavicius
Information and Decision Sciences
Carlson School of Management
University of Minnesota
“Killer App”

Jargon in the computer industry for an application program that intentionally or unintentionally gets you to make the decision to buy the system the application runs on.

- E.g., the spreadsheet program (VisiCalc, then Lotus 1-2-3) helped introduce the personal computer into the department level of large and small businesses.

Killer app can refer to a generic type of application that hasn't existed before, to a particular product that first introduces a new application type, or to any application with wide appeal.

Based on: searchwebservices.com
Searching for Killer Apps

Intelligent storage: innovation could be facilitated by changes in

- Technology
  - Data storage, networking, Internet/Web, wireless, ...
- Data needs
  - Complex document types, multimedia, data streams, ...
- Business processes
  - Application integration, interoperability, “always online”, ...
Example: Digital Rights Management

Windows Media Rights Manager Flow

1. Package Media
2. Post Media
3. License Terms
4. Request and Receive Media
5. Request License
6. Download License
7. Transfer to Portable Device

Example: Semantic Web

Source: http://www.w3.org/2000/Talks/1206-xml2k-tbl/slide10-0.html
Example: Web Services

Service Oriented Architecture

Source: http://www.w3.org/TR/2002/WD-ws-arch-20021114/
Example: Integrated Directory Services

Conclusion

Some of the common themes:
- Interoperability
- Content management
- Encryption