Technology Driven Development

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The Task

- Investigate how Microsoft’s .NET technology affects **software architecture** and the **development process**.
- Prototype the **Intro42 Media System**.
- **Evaluate** and **Compare** the results to related work.
The Process

- Conceptualization
- Research
- Design
- Architecture
- Implementation
The Architecture

Developed Systems

System 1
  Instance 1
System 1
  Instance 2
System 2

Distributed Web Services

Web-service 1
Web-service 2
Web-service 3
Web-server 1
Web-server 2
Web-server 3

Client 1
Client 2
Client N

HTTP
The Results

.NET Technology

Concurrent Development

Process

Web Services

Architecture
A system for providing secure media distribution services.

Access control.

Possible with limited access rights (rental).

Provides virtual ownership.

Cheap and easy distribution of media.

System API through SOAP.

Distributable, server components are using web services to communicate.
Intro 42 Media Client (alpha 2)

Connection Info
- Your IP: 129.241.103.99
- User Name: nordstro
- Server IP: 129.241.103.99
- Password: ********

Get Media

Media List

<table>
<thead>
<tr>
<th>Name</th>
<th>Artist</th>
<th>Genre</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eple</td>
<td>Røyksopp</td>
<td>Pop</td>
<td>Music</td>
</tr>
<tr>
<td>In Trance we Trust Vol 6</td>
<td>Cor Fijneman</td>
<td>Trance</td>
<td>Music</td>
</tr>
<tr>
<td>Joyride</td>
<td>Mezzoforte</td>
<td>Jazz</td>
<td>Music</td>
</tr>
<tr>
<td>Manhattan Skyline</td>
<td>Kings of Convenien</td>
<td>Pop</td>
<td>Music</td>
</tr>
<tr>
<td>Midgard 01 concept music</td>
<td>Funcom</td>
<td>Game Music</td>
<td>Music</td>
</tr>
<tr>
<td>Midgard 02 concept music</td>
<td>Funcom</td>
<td>Game Music</td>
<td>Music</td>
</tr>
<tr>
<td>Side</td>
<td>Travis</td>
<td>Pop</td>
<td>Music</td>
</tr>
<tr>
<td>Sing</td>
<td>Travis</td>
<td>Pop</td>
<td>Music</td>
</tr>
<tr>
<td>So Easy</td>
<td>Røyksopp</td>
<td>Pop</td>
<td>Music</td>
</tr>
<tr>
<td>Star Wars - Mystery</td>
<td>Lucasfilm</td>
<td>Trailer</td>
<td>Video</td>
</tr>
</tbody>
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