

# Mobile Agent-based Multimedia Retrieval: a Case for agents?



**IIDS** Intelligent Interactive Distributed Systems

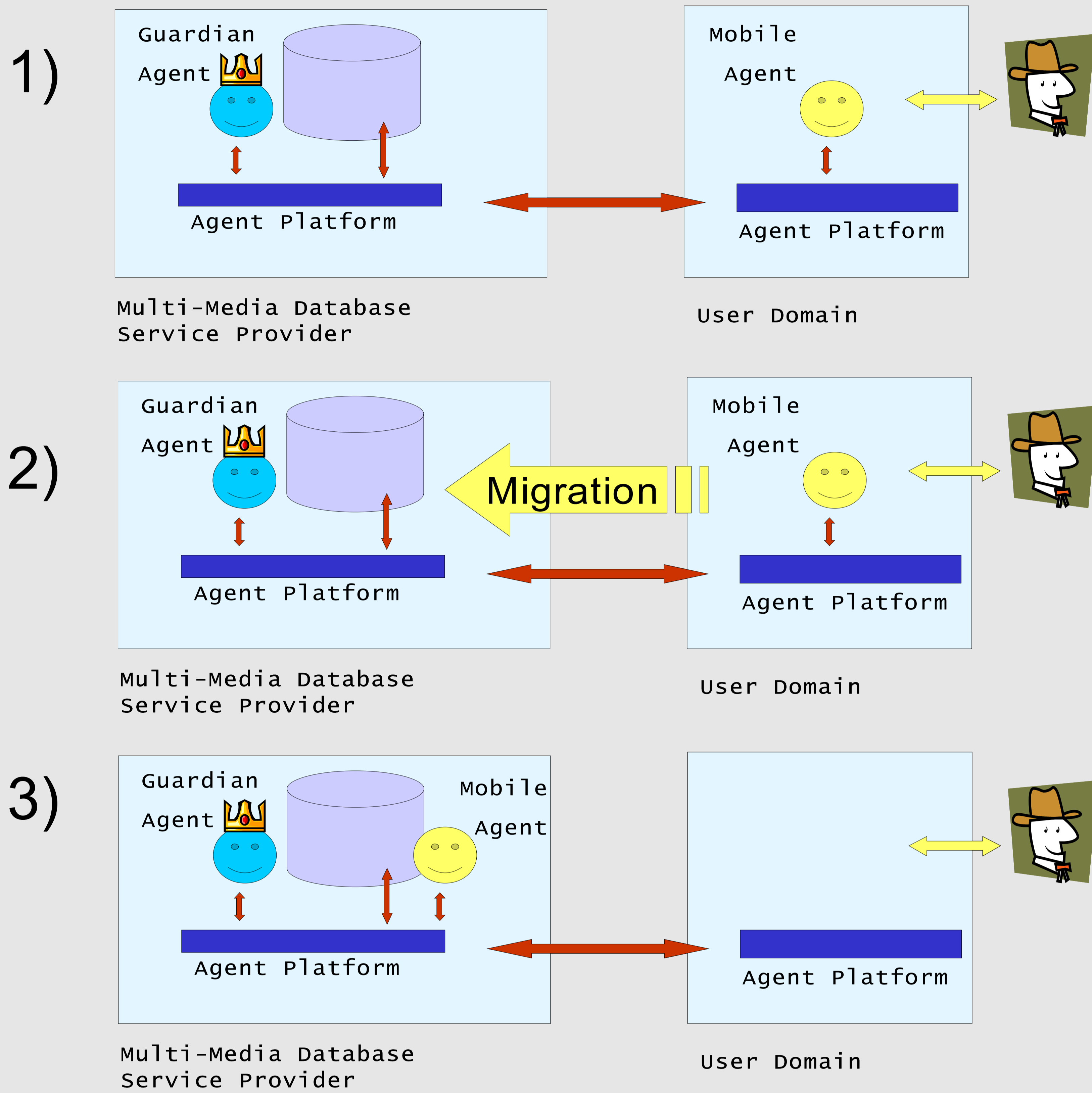
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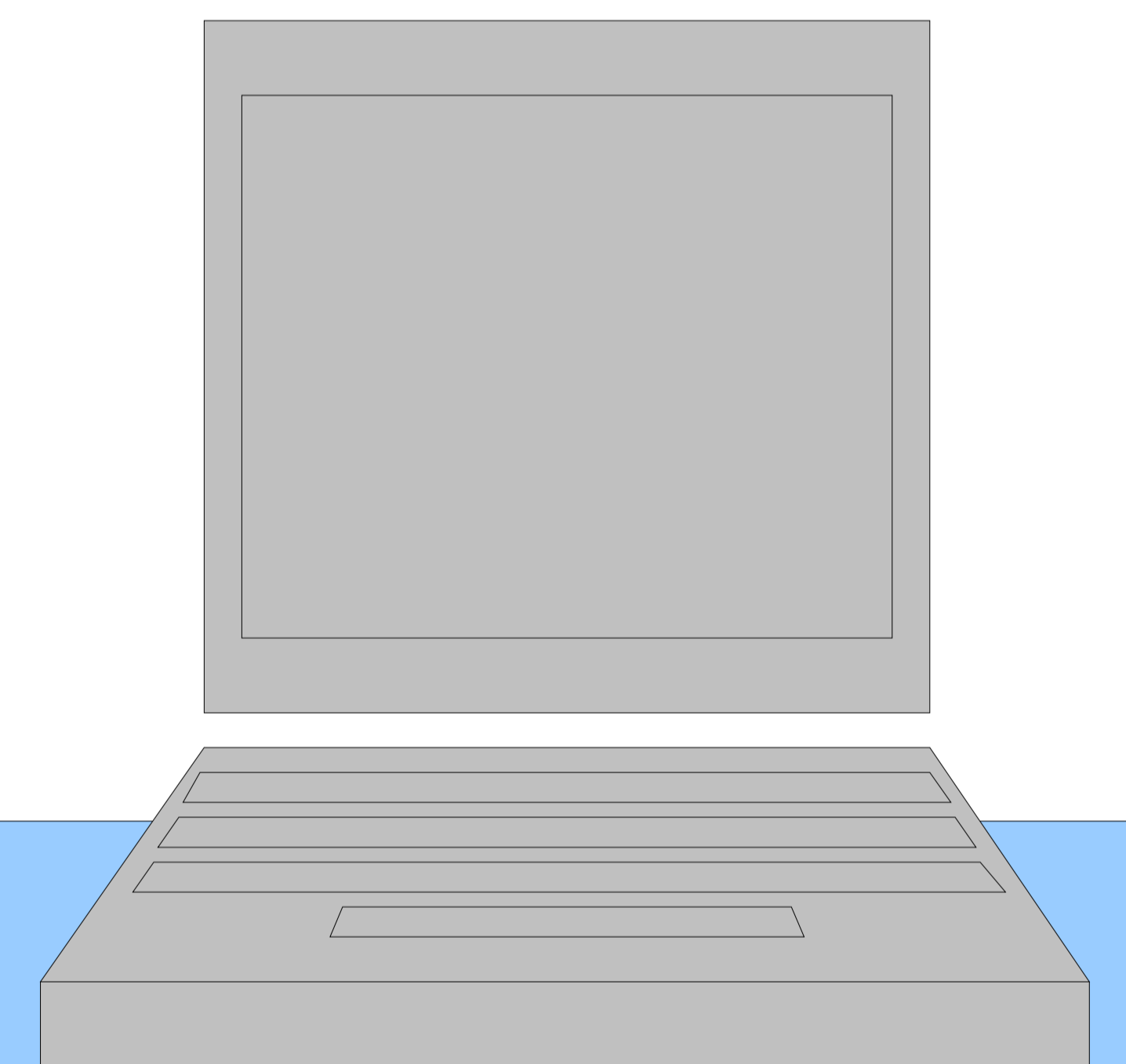
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## Mobile agent-based multi-media retrieval



## Why Mobile Agents?

- the nature of today's world is distributed
- accessing resources locally can improve performance
- data can be protected locally (e.g. intellectual property can be guarded)



## Research questions include:

- How can the identity of an agent be determined?
- Does authentication of an agent's identity require knowledge of an agent's owner?
- Can agents and/or users use pseudonyms?
- Which other privacy protection methods are an option?
- Which means do we have to guarantee an agent's integrity?
- Which means do we have to guarantee a host's integrity?
- What rights do agents have?
- What rights do hosts have?
- How can intellectual property rights be protected?
- Who (which party) is liable if damage is caused?
- What proof needs to be provided?
- What types of logging are needed for valid evidence?

