

MPEG-M application based on mtPlatform (m29242)

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Content

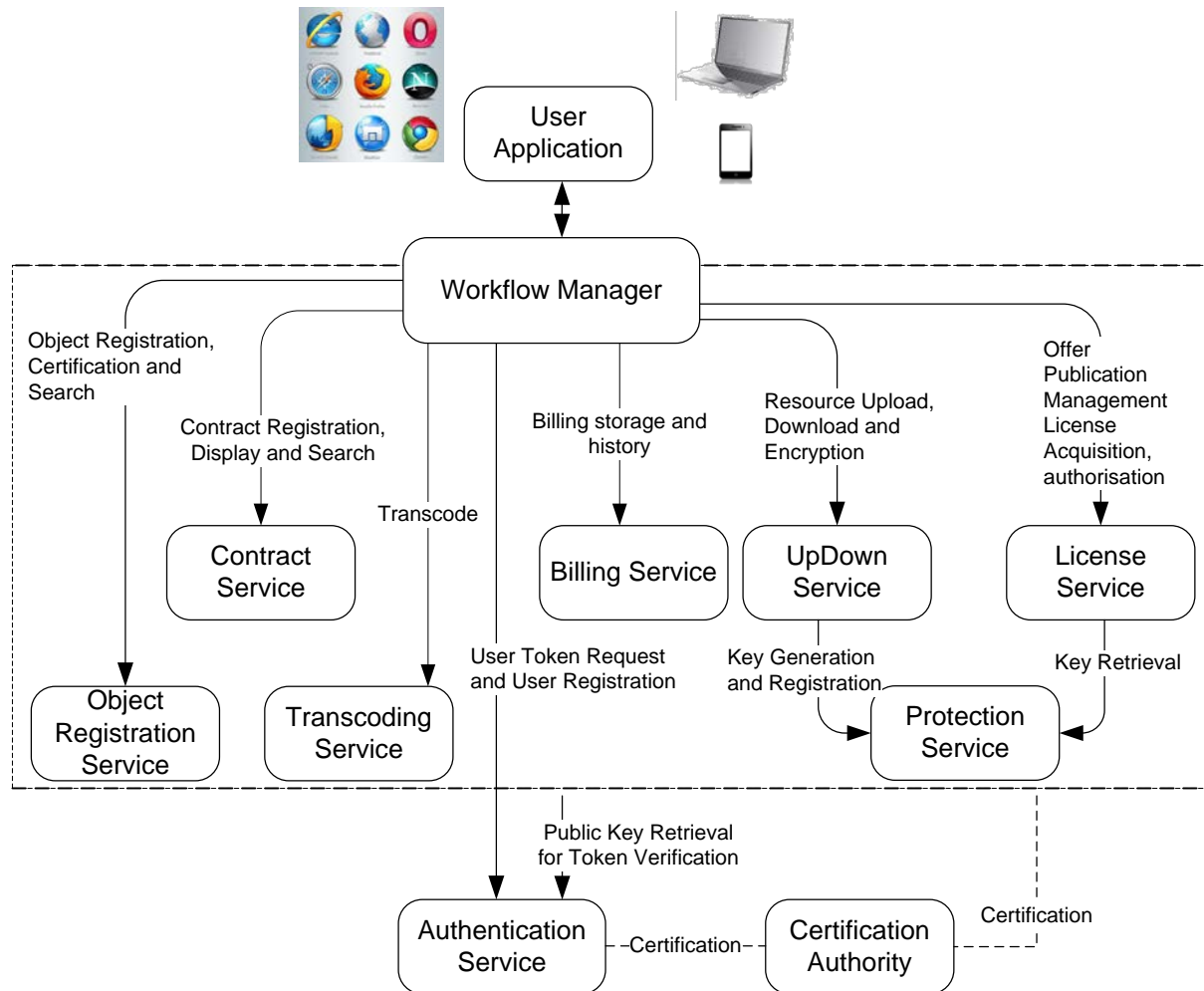
- The mtPlatform (MIPAMS evolution)
- Implemented scenario: Buyer point of view
- MPEG-M usage
 - Application architecture
 - Translation between MPEG-M and mtPlatform format
- Demo functionality

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Overview & architecture

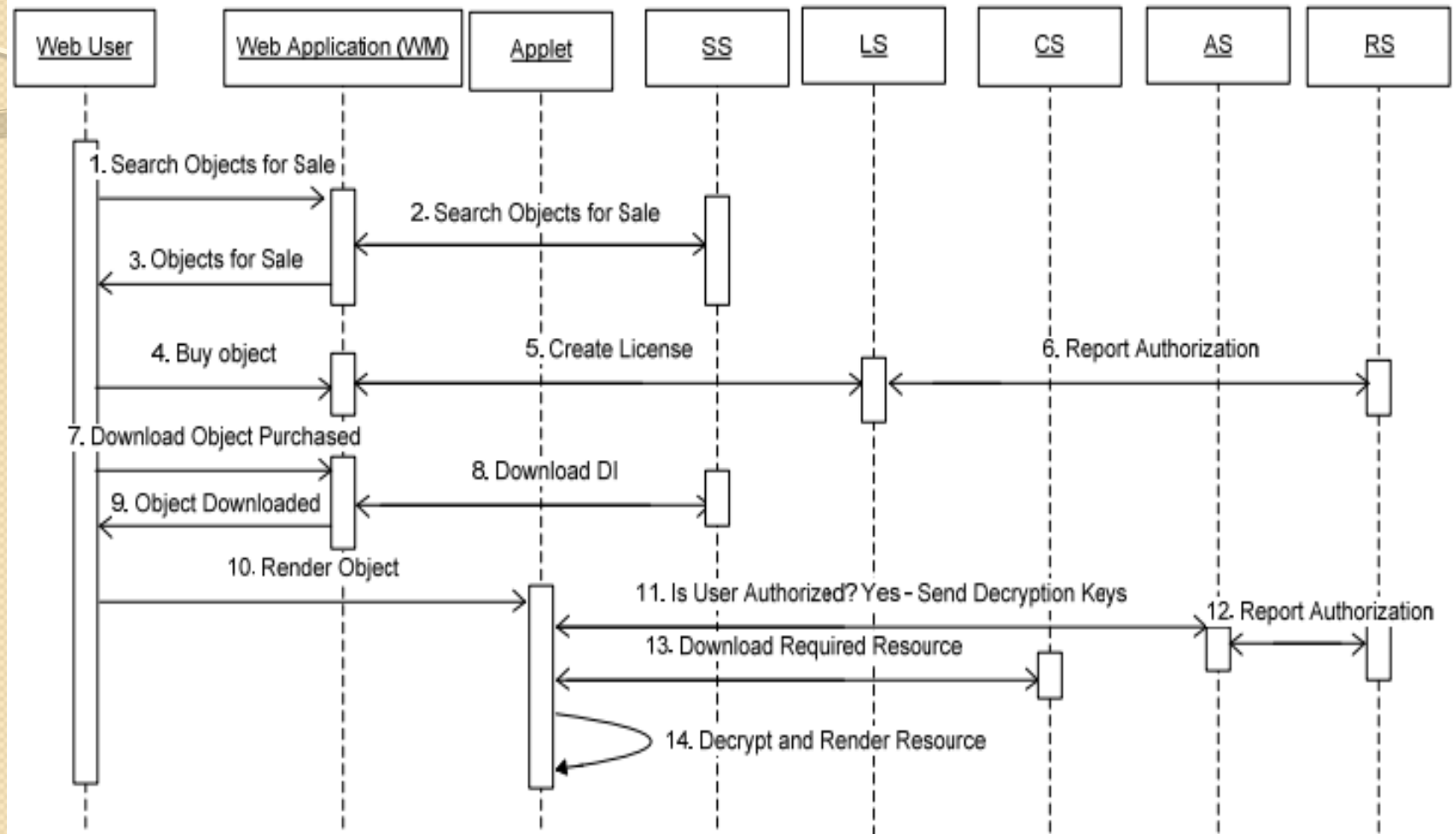
- mtPlatform: mediaTG & DMAG-UPC (MIPAMS evolution)
- Multimedia service-oriented content management platform
- Module based design
- Based on MPEG standards: MPEG-2 I DIDL, MPEG-2 I REL, ...



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Implemented scenario: Buyer point of view

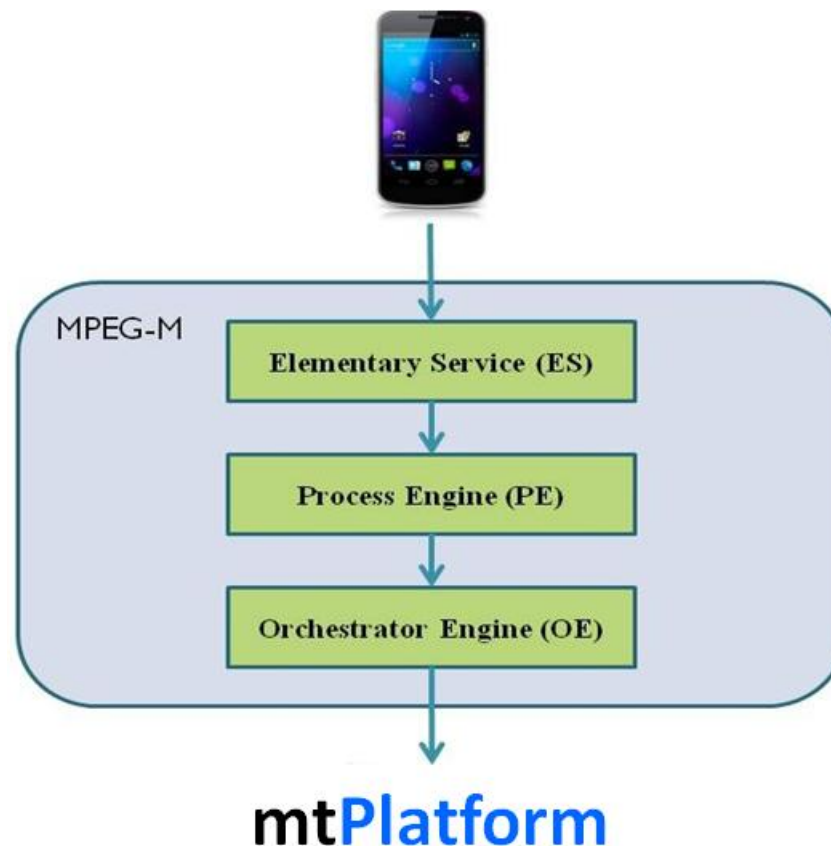


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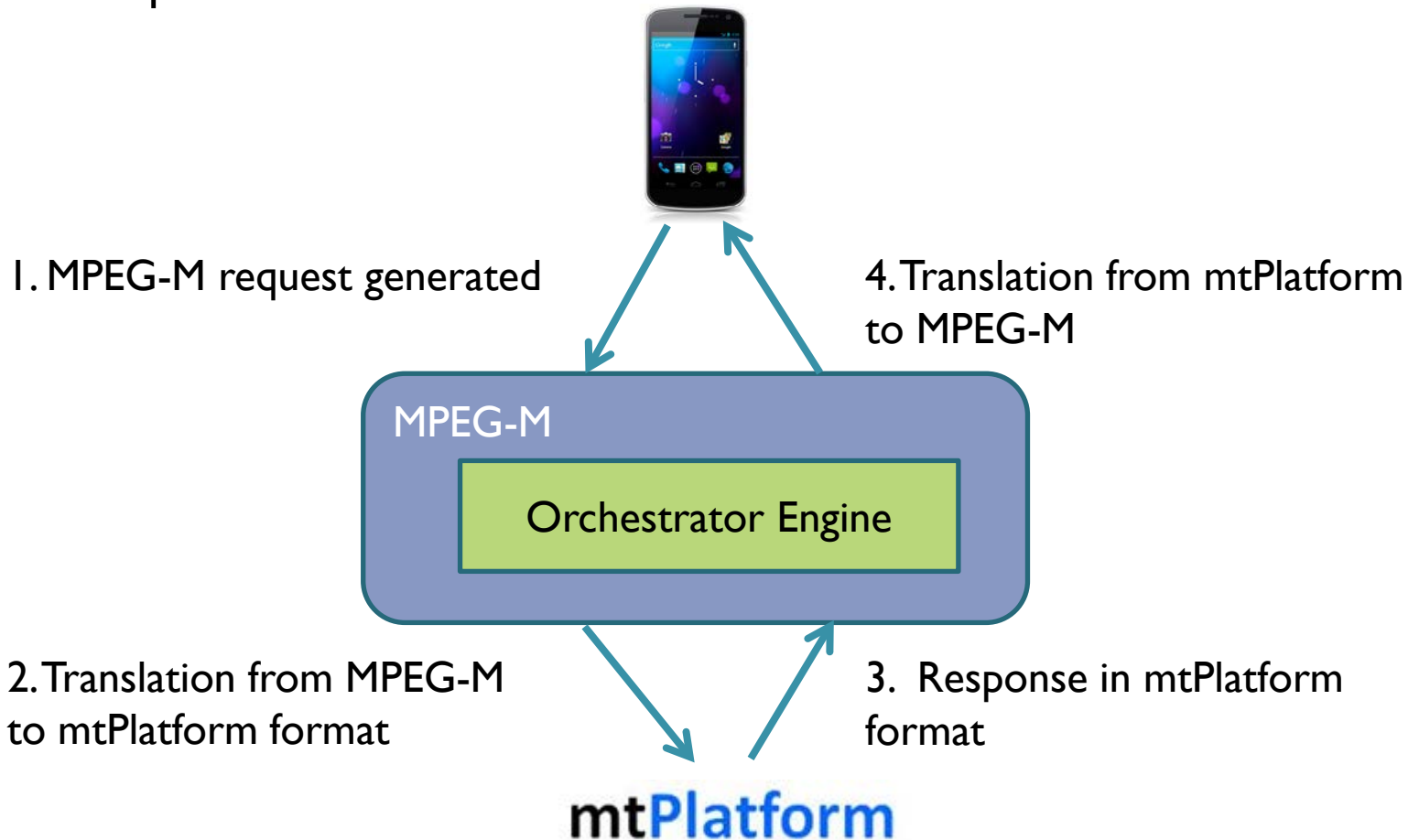
Application architecture

- Provision of a MPEG-M interface for mtPlatform.
- Applications call MPEG-M Elementary Services that map to the mtPlatform services to be executed. Service aggregation is used.



Translation between MPEG-M and mtPlatform

- MPEG-M and mtPlatform formats are slightly different.
- A translation mechanism must exist to make mtPlatform compliant with MPEG-M.



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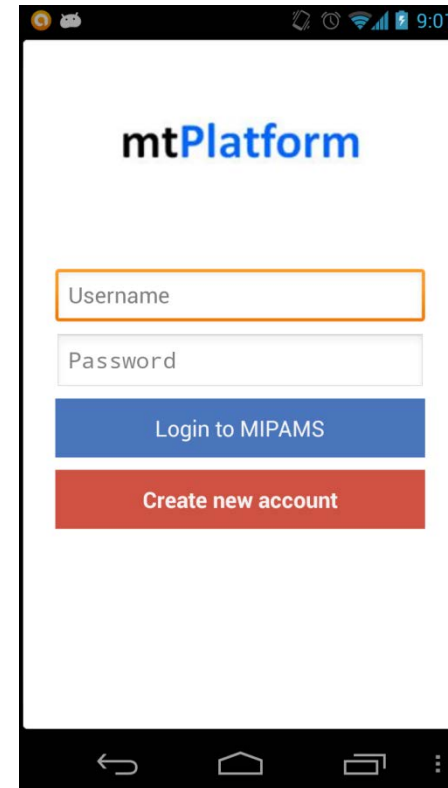
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Demo

- Client application working on different devices (tablet, smartphone, pc)
- Connected / Disconnected environment
- Use case: Provide to mobile users the possibility of publishing content captured with the mobile device itself for its further exploitation. Buyer and seller roles are foreseen.

Demo functionality

- Non-authenticated user
 - Create new account
 - Login
- Buyer role
 - Display purchased content
 - Search objects
 - Get content & licenses info.
 - Purchase licenses
 - Render content
- Disconnected mode
 - Local license authorization
 - Local login
 - Synchronize with mtPlatform in order to keep the system consistent



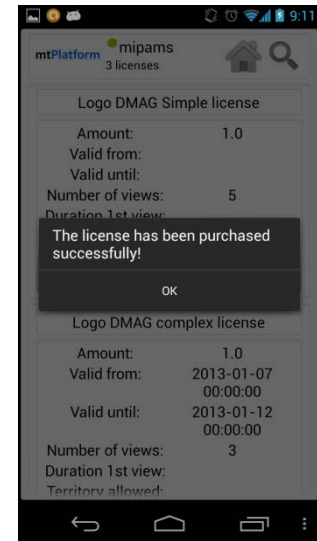
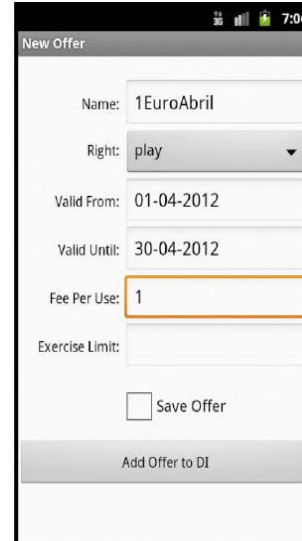
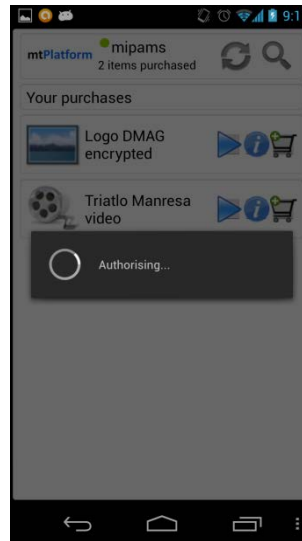
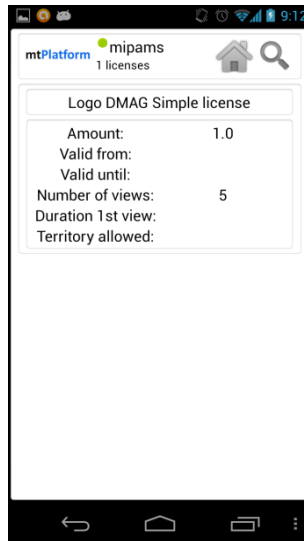
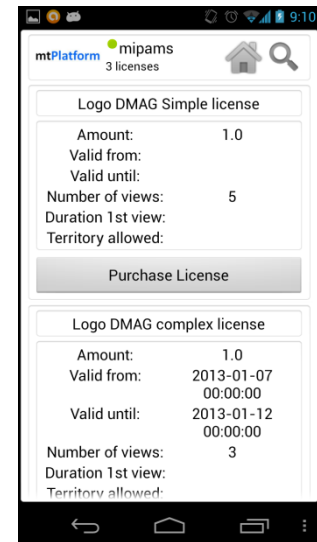
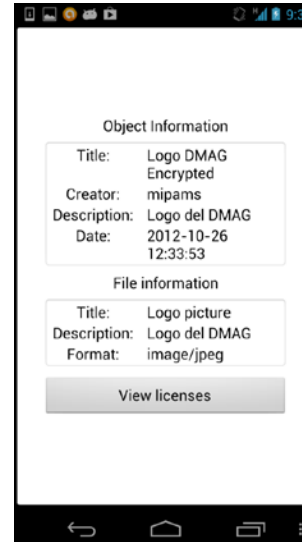
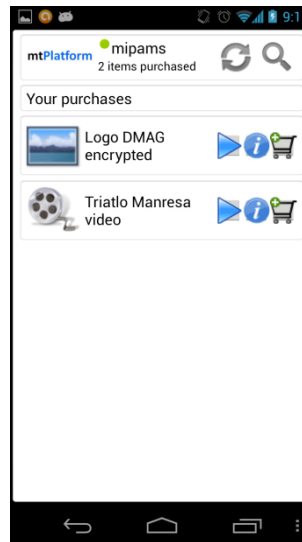
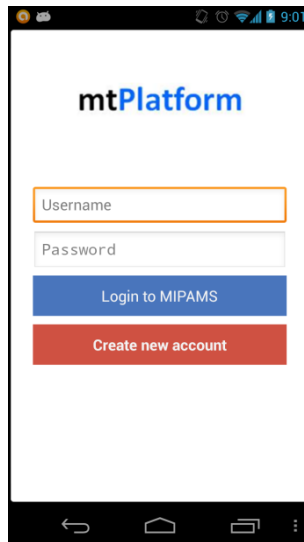
Demo functionality

- Seller role
 - Upload content
 - Modify metadata content
 - Remove content
 - Edit uploaded resources
 - Resume pending uploads
 - Create licenses to protect the content
 - Modify created licenses
 - Revoke created licenses



The screenshot shows a mobile application interface titled "New Resource". At the top, there are three buttons: "Image Gallery", "Audio Gallery", and "Video Gallery". Below these are three text input fields: "Title:" with the value "c/ Pelai", "Author:" with the value "Albert", and "Description:" with the value "aldarulls". The "Description" field is highlighted with an orange border. Below the input fields, there is a checkbox labeled "Encrypt Content" which is checked. At the bottom, there is an "OK" button. The status bar at the top right shows the time as 2:59 and various system icons.

Screenshots



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