

Metadata in the Cloud Computing

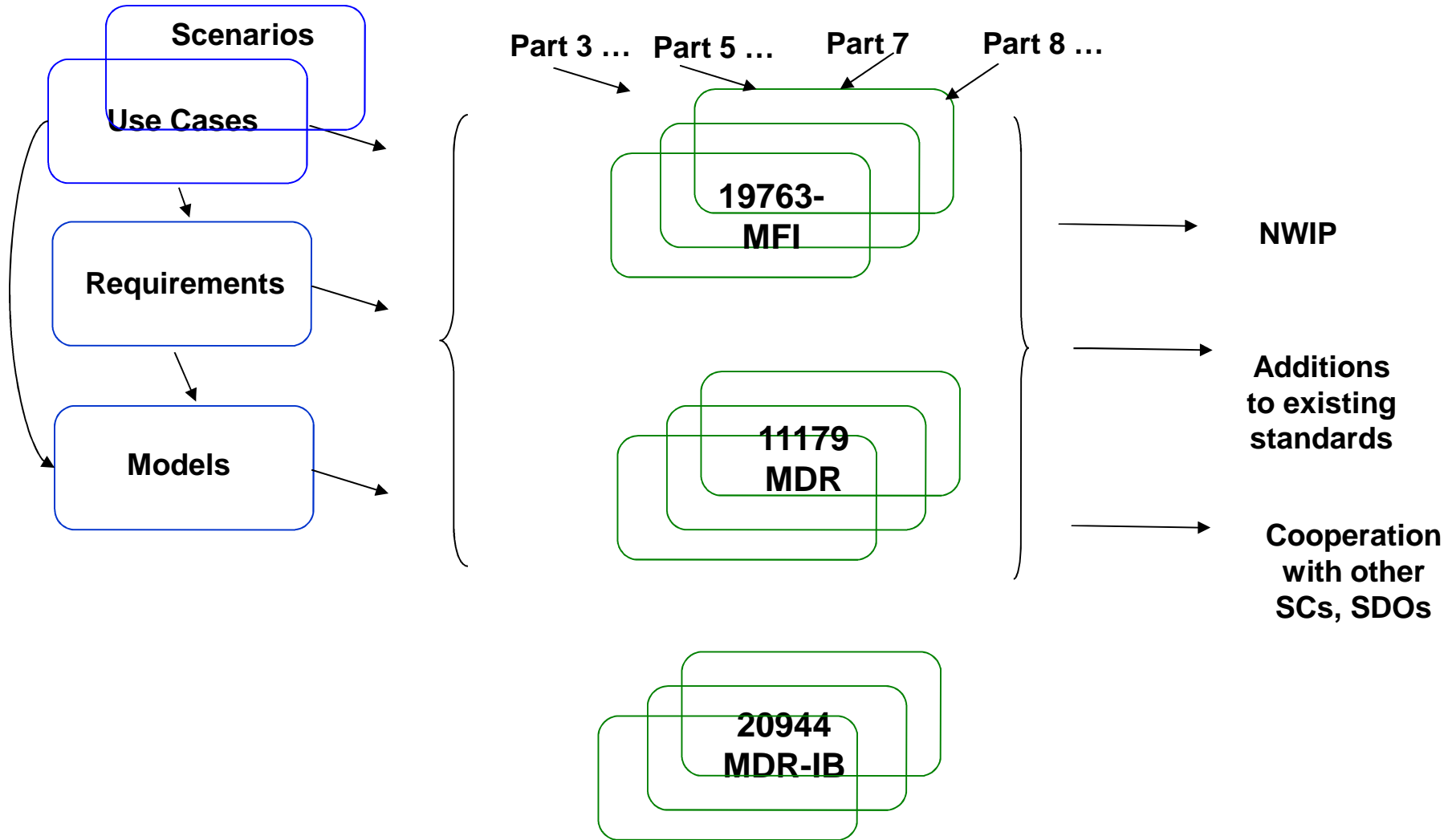
07th June 2012

Baba Piprani

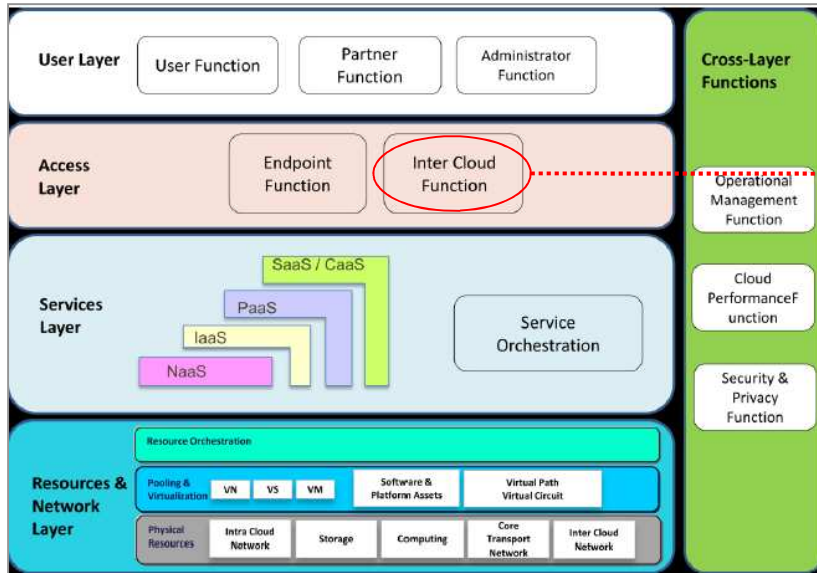
Ewelina Szczekocka



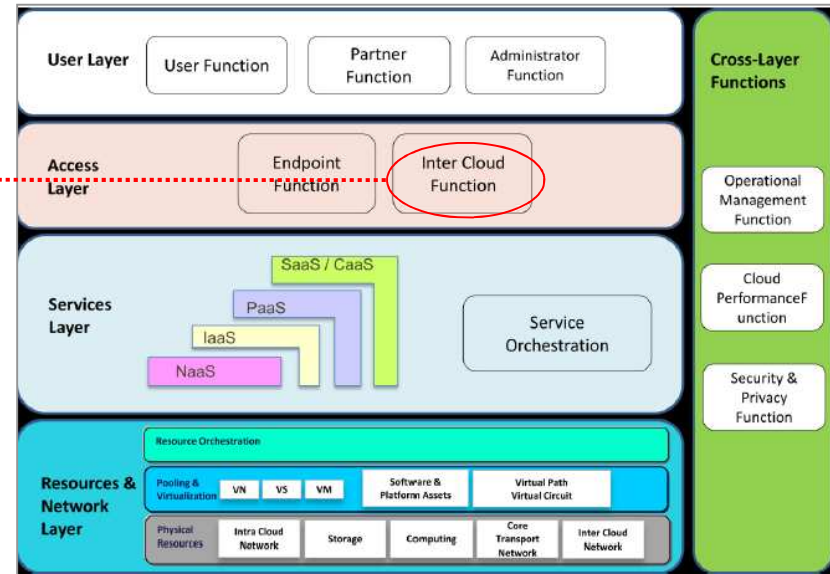
The Study Period issues



The Study Period issues



Cloud Service Provider 1



Cloud Service Provider 2

Use Case: DaaS – Desktop as a Service

ITU-T01 DaaS (IaaS)

▪ Cloud Service User:

- > Capability to connect and use his/her Virtual Desktop, that is available on VM infrastructure and uses several resource pools, like OS Pool, Application Pool and User Profile Pool
- > The capability is available through a connection broker – i.e. a software program, that connect Cloud Service User to an available virtualised desktop.
- > Connection brokers performs:
 - user authentication and licence verification
 - management of VM
 - protocol coordination (between user and server)
 - support for the connection between backup storage and virtualised desktop storages.

▪

Use Case: UCaaS – Unified Communication as a Service

ITU-T02 UCaaS (CaaS)

- Provided as a service model (category): Communication as a Service (CaaS)
- the capability provided to the cloud service users,
 - > use real time communication functionalities from a cloud service provider in a flexible way.
 - > those functionalities can be embedded in web applications accessible e.g. via Internet (communication and collaboration services include voice over IP, instant messaging, and video conferencing, for different user devices).
 - > The unified communication means switch in using different kinds of communication agile and transparent for the users, depending on their dynamically changed accessibility. It is a comprehensive, converged communication system for real time **data, voice, video, communication, unified messaging** for fixed and mobile systems, with presence management.
 - > It enables more effective and secure way of personal communication, concerned with moving the user session between different devices and different kind of communication.
 - > to be used with different devices, PC, tablet and mobile terminals.

Use Case: SDPaaS – Service Delivery Platform as a Service

ITU-T03 SDPaaS (PaaS, SaaS/CaaS)

- capability provided to Cloud Service User:
 - > use Service Delivery Platform (SDP) functionalities and services provided by CSP
 - > **functionalities** – realised as PaaS services
 - > **services** – realised as SaaS/CaaS services

- capability provided to Cloud Service Provider:
 - > deploy, control and manage Service Delivery Platform functionalities

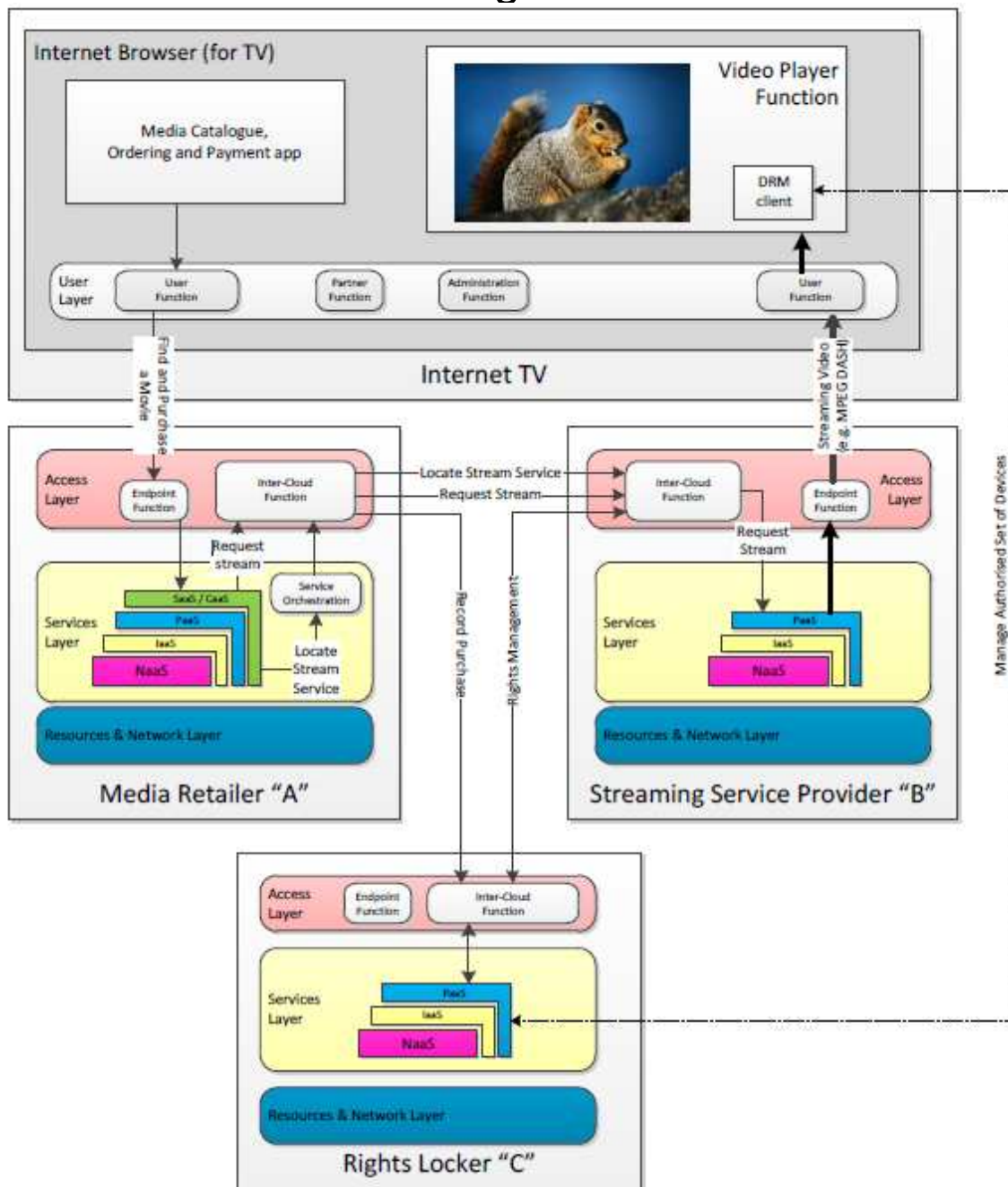
Cloud Service Platform Services

- service creation (functional group)
 - > capabilities to realise development of services

- service execution (functional group)
 - > capabilities to support Service Execution Environment

- service delivery management (functional group)
 - > capabilities to realise management of services, provisioning and charging

Use Case: Modelling real-world Cloud Service (Business Processes) (ITU-T 04)



Internet television ecosystem

- Federated ecosystem of cloud-based entertainment services, where multiple commercial retailers offer interoperable streaming and download of premium video content

- Media Retailer A (CSP)
- Streaming Service CSP B
- Right Locker C (CSP)

- Different Cloud Service Players that should follow common business process flow to realise the service and deliver to Cloud Service Provider (Business Process as a Service)

Thank You!

