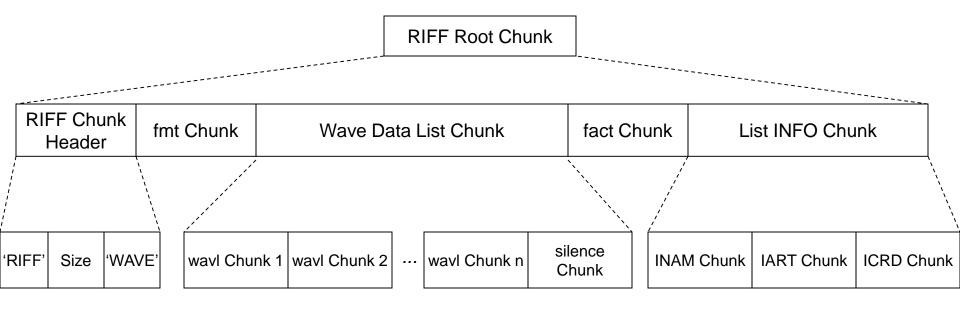
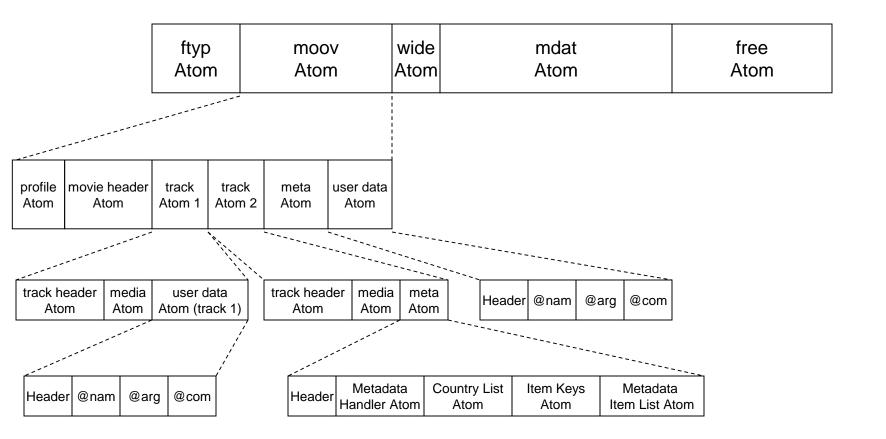
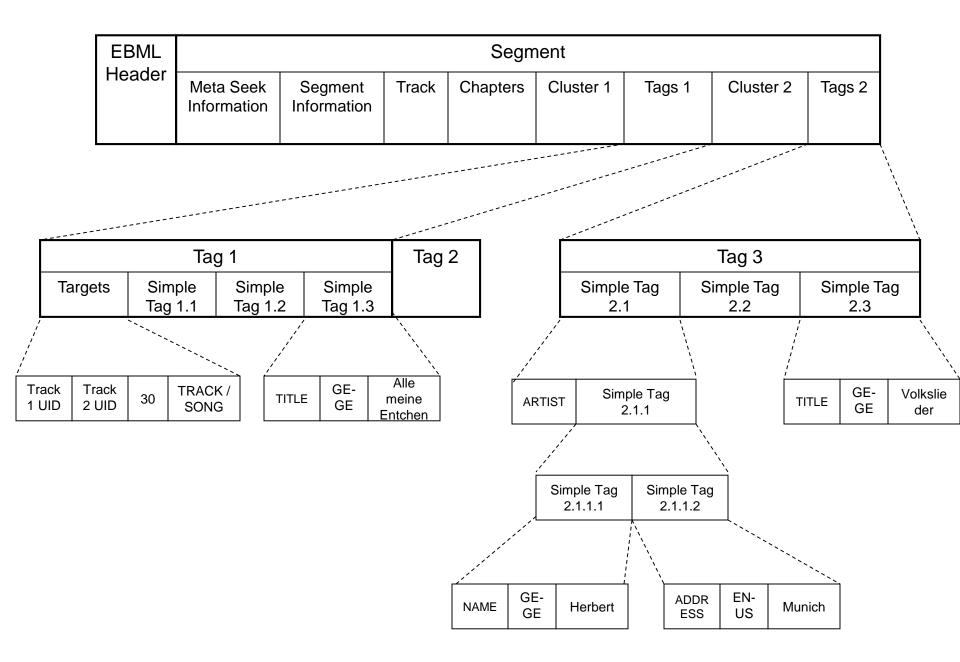


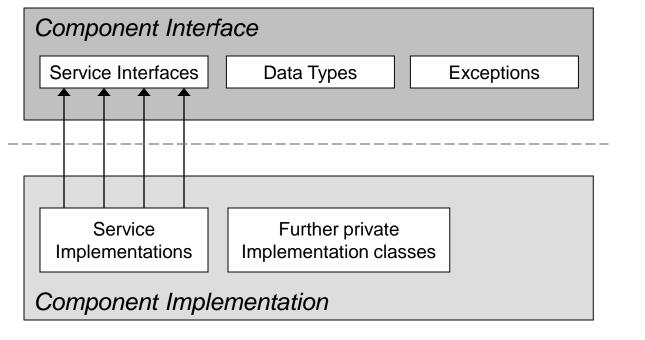
I_Example5.pdf ##SIZE=[100;75]##





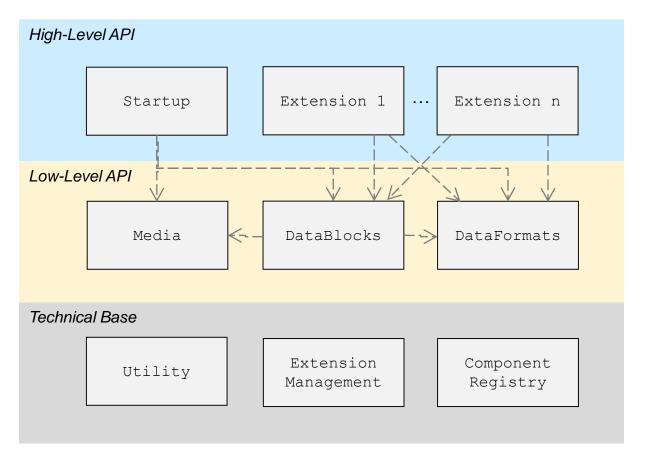


I_Example8.pdf ##SIZE=[100;90]##

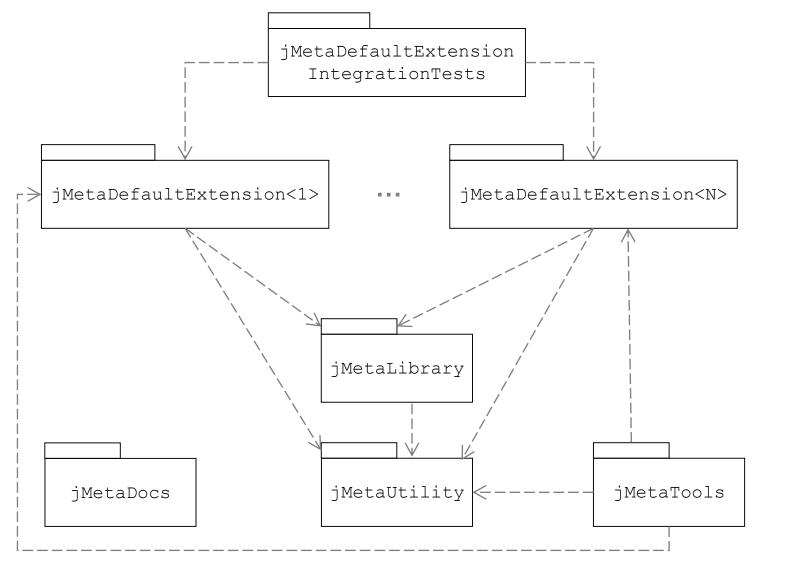


Application Layer jMeta Java 9 Virtual Machine (JVM) **Operating System** Physical Storage Medium

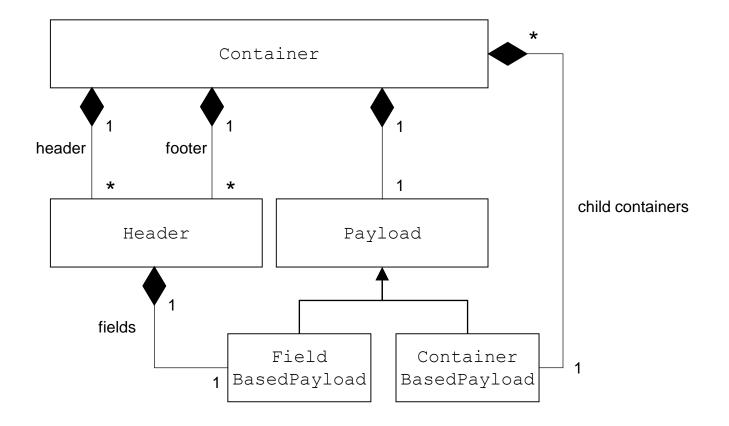
II_TechnicalInfrastructure.pdf ##SIZE=[75;70]##

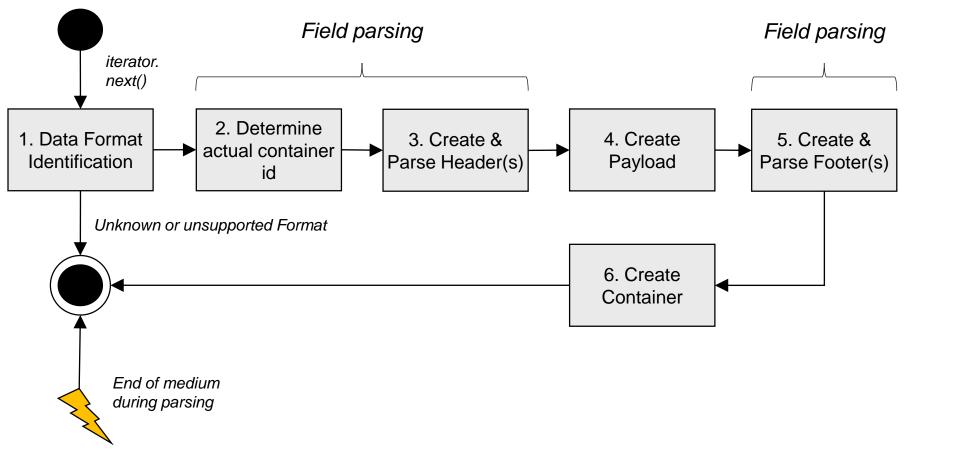


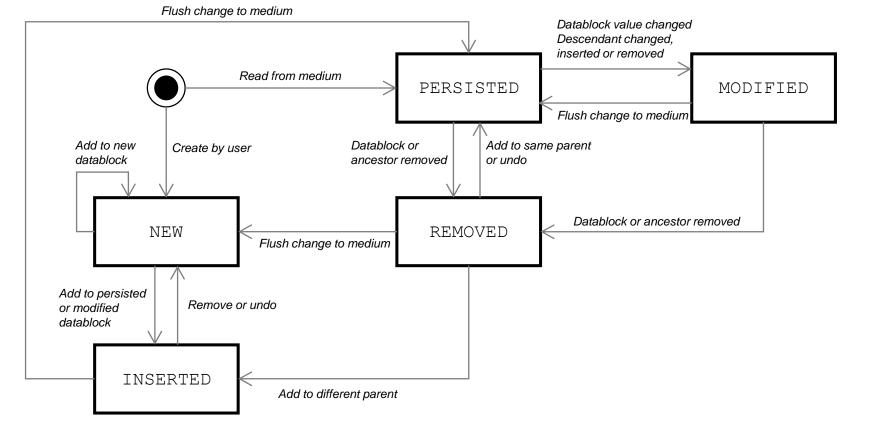
II_FunctionalArchitecture.pdf ##SIZE=[80;70]##



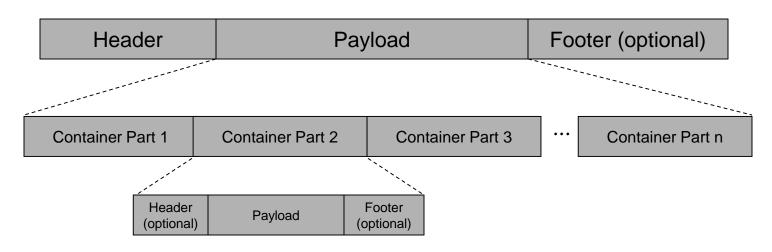
II_ProjectStructure.pdf ##SIZE=[80;85]##



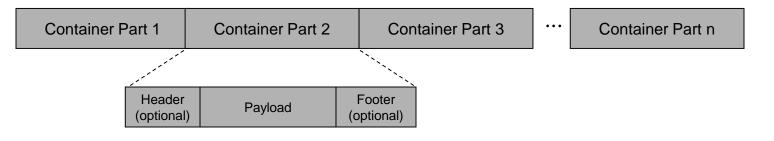




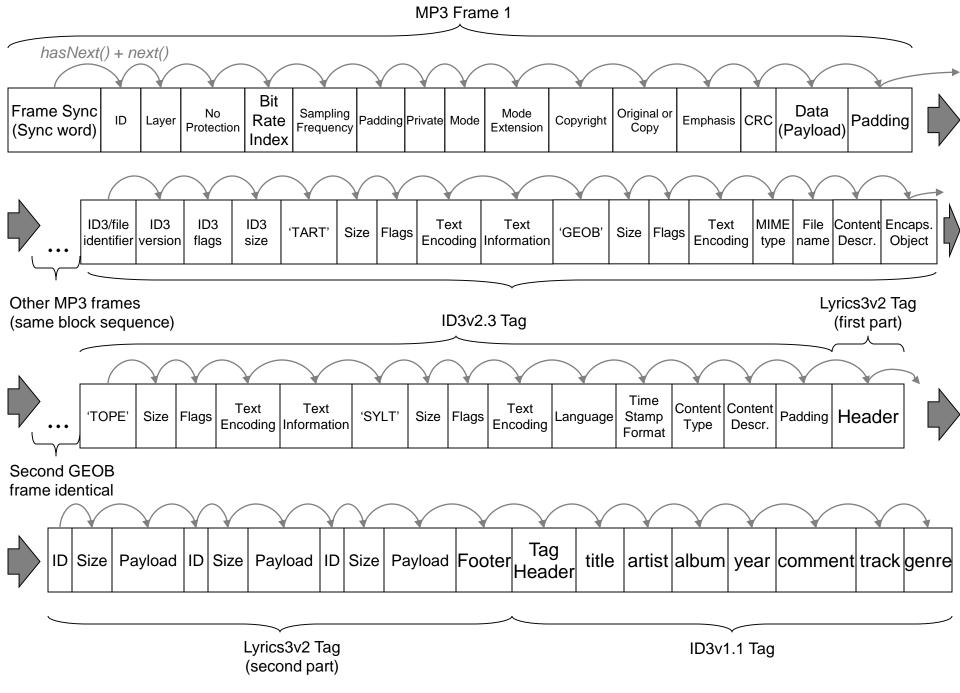
Parent Container



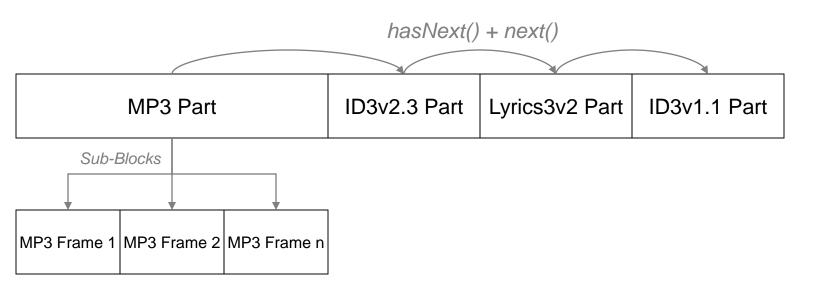
Top-Level Container Parts



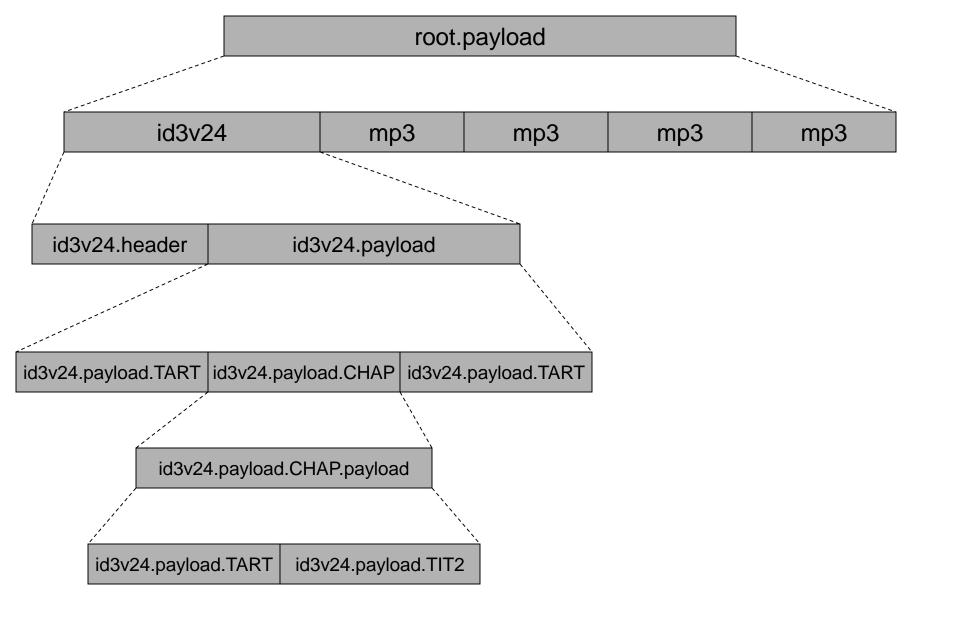
III_TypicalBlockStructure.pdf ##SIZE=[85;80]##



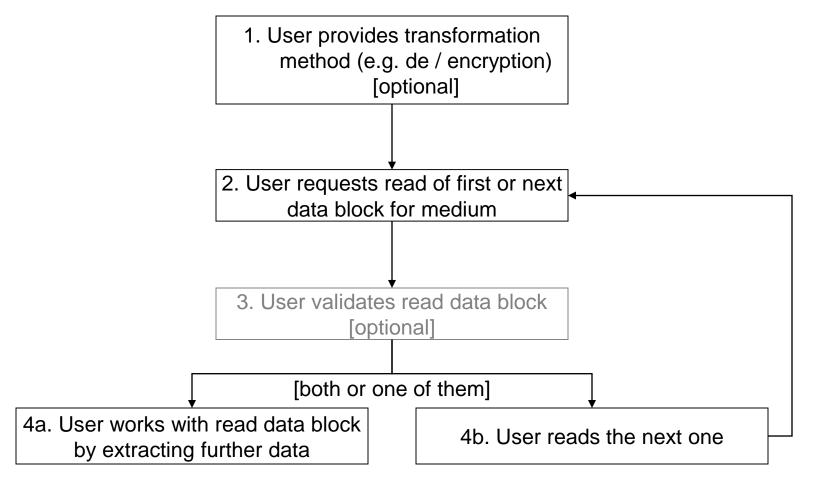
III_FlatHierarchy.pdf ##SIZE=[100;95]##

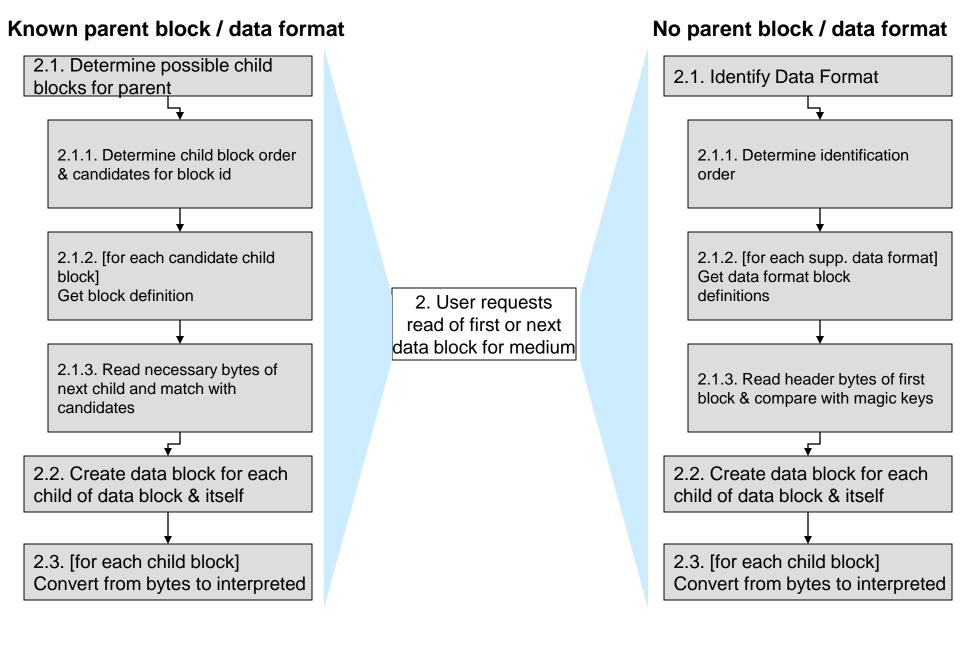


III_UniformHierarchy.pdf ##SIZE=[100;95]##

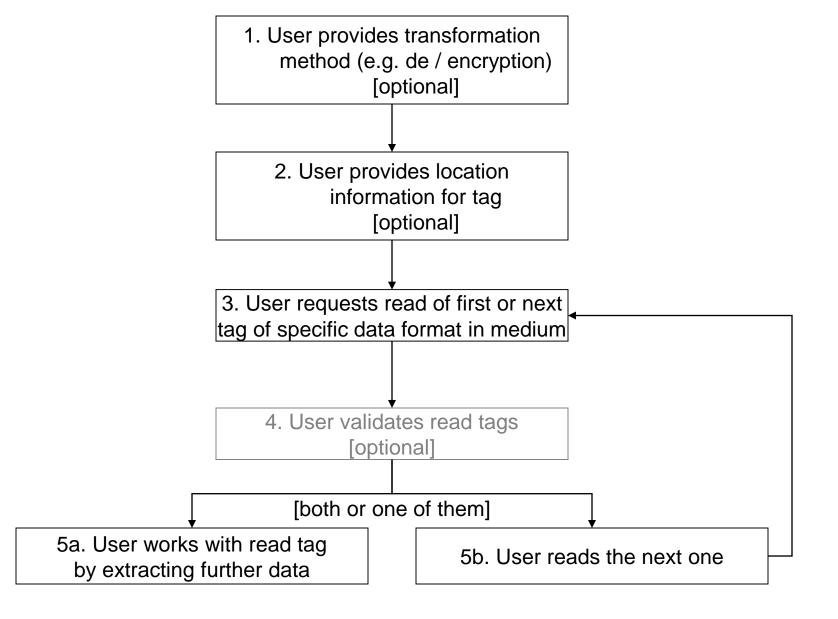


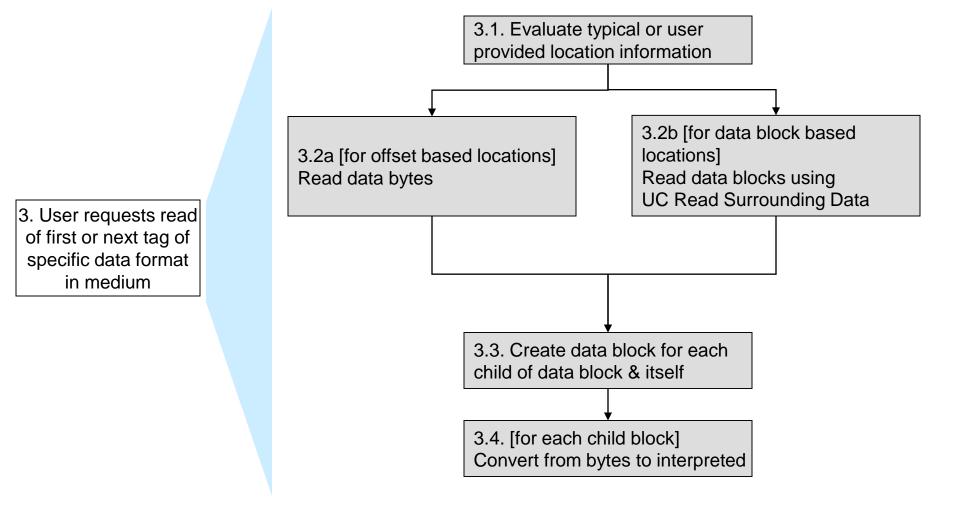
III_ExampleDataBlockHierarchy.pdf ##SIZE=[95;80]##

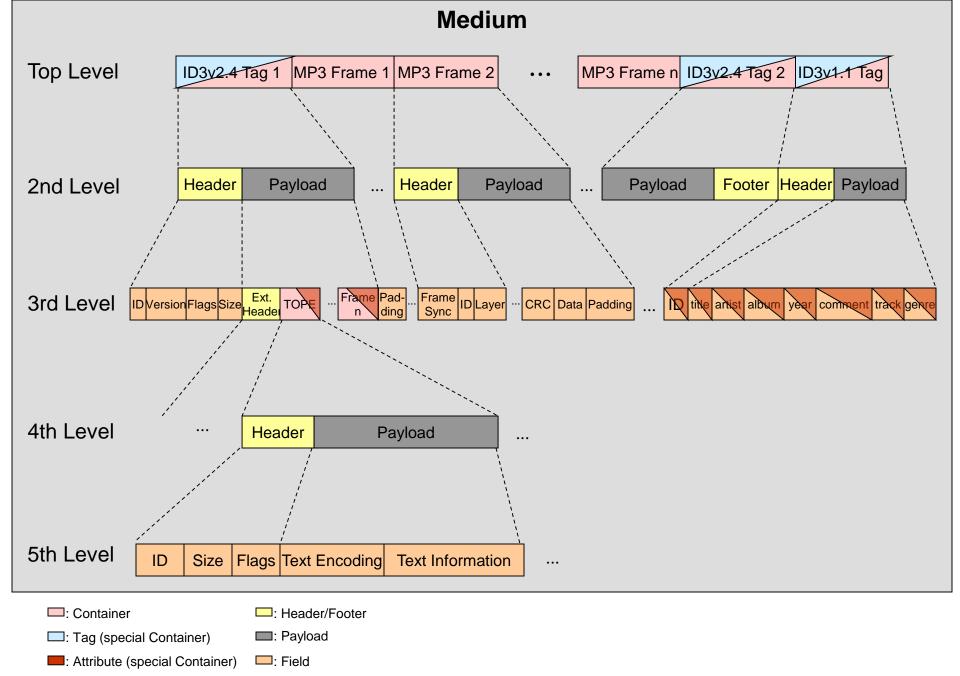




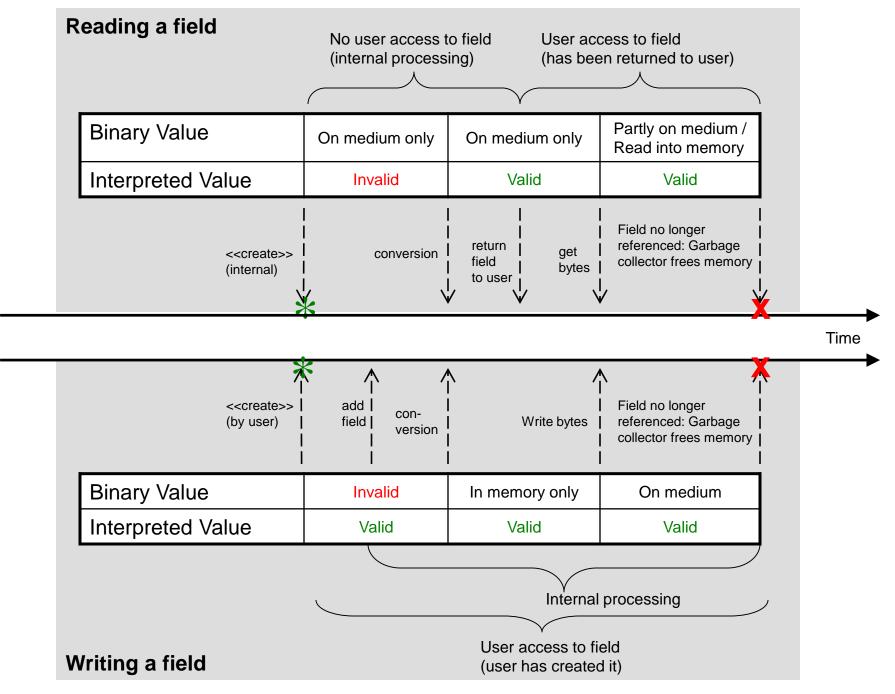
III_ReadingDataBlocksDetailed.pdf ##SIZE=[100;100]##



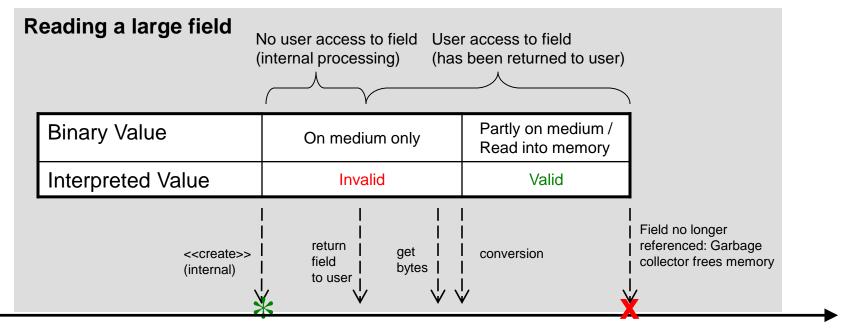




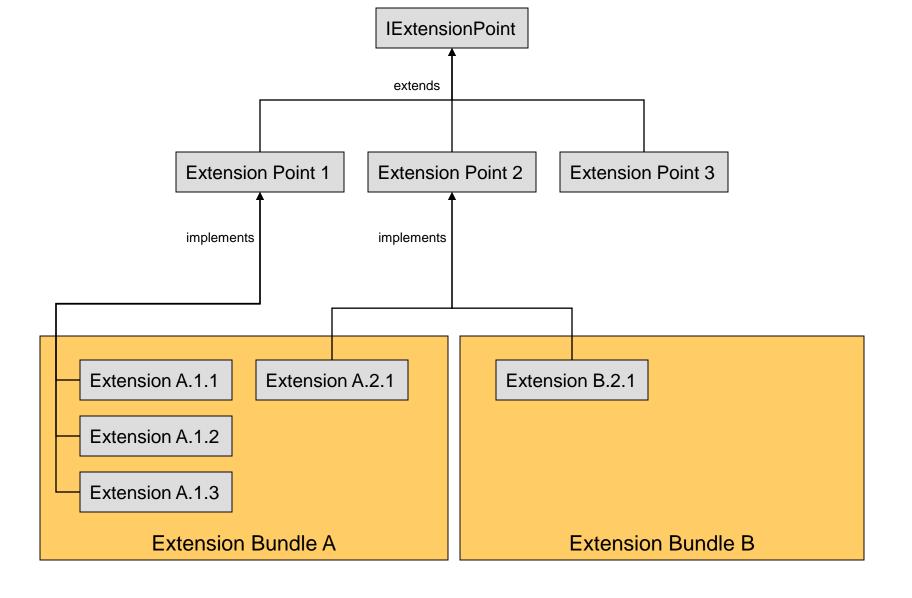
III_DataBlockStructure.pdf ##SIZE=[100;95]##



III_FieldLifeCycles.pdf ##SIZE=[95;100]##



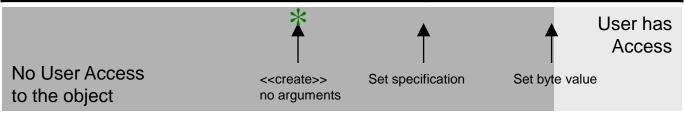
Time



Value States

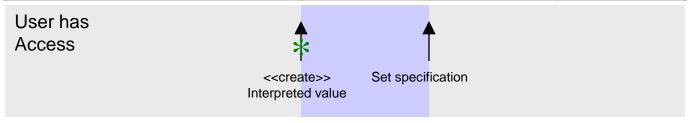
Read

Byte Representation	Invalid	Invalid	Valid
Interpreted Representation	Invalid	Invalid	Valid
Converter	Invalid	Valid	Valid

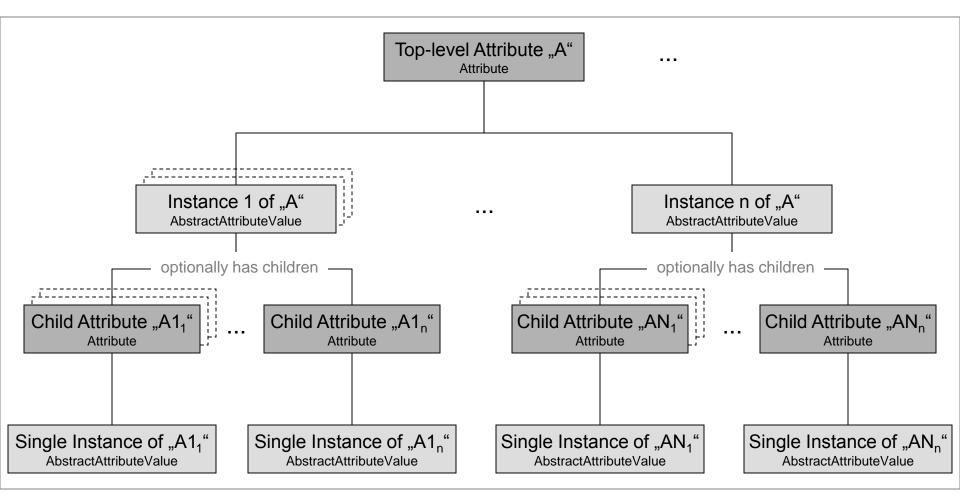


Write

Byte Representation	Invalid	Valid	Valid
Interpreted Representation	Valid	Valid	Valid
Converter	Invalid	Valid	Valid



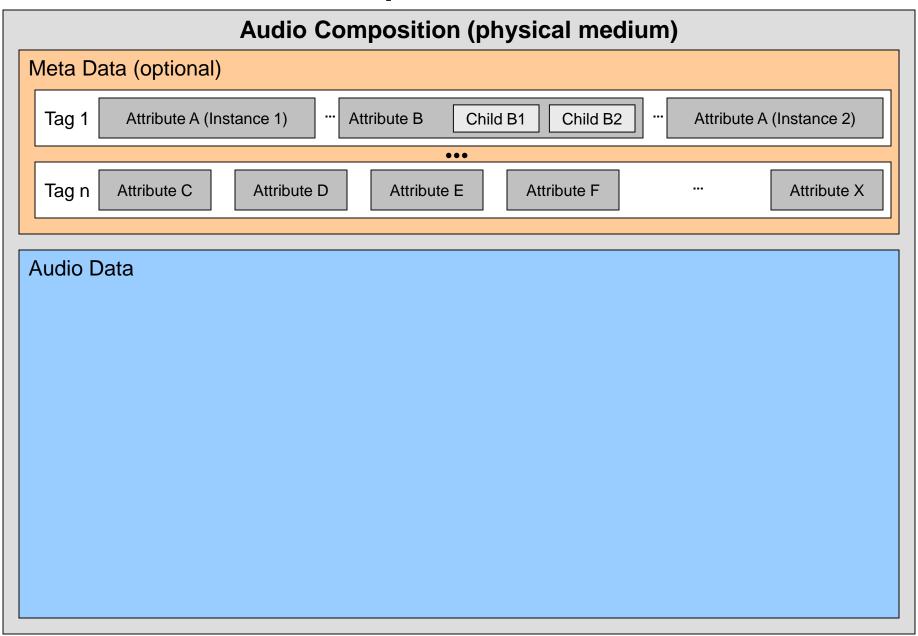
Attribute Hierarchy

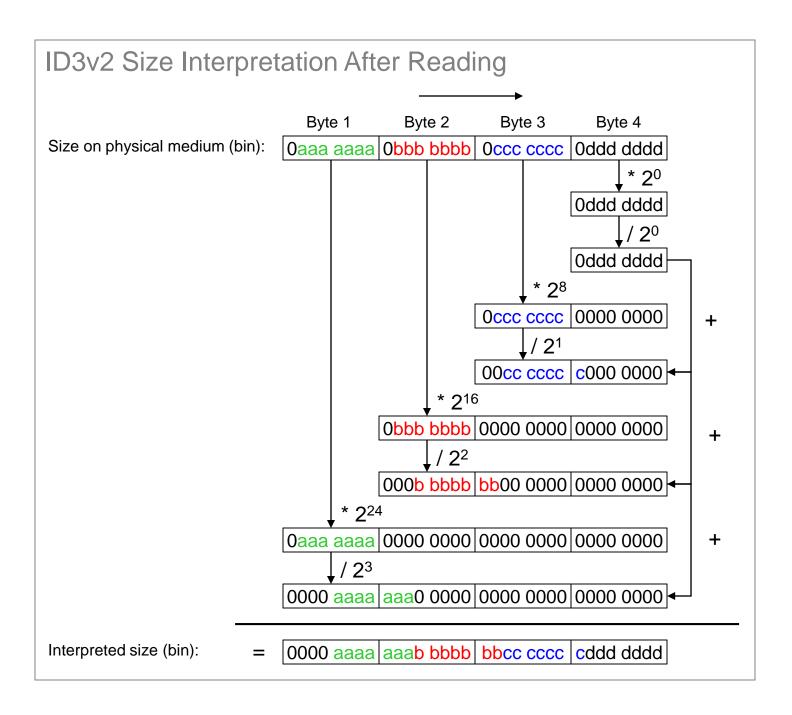


Library Structure

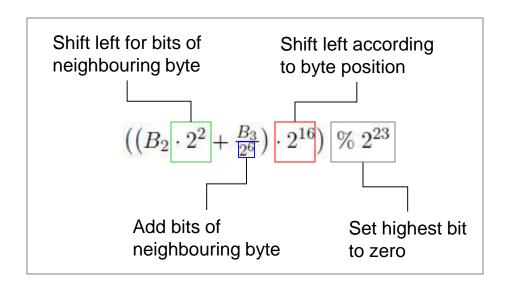
Extensions contained in Basic concept v0.5 bundle **Library Core Library Core** ID3v1 ID3v2.3 Tag Format Tag Format Audio Format **Audio Format** MPEG III Extension 1 Extension n Extension 1 Extension m Layer 2 ID3v1.1 ID3v2.4 **Extensions Extensions**

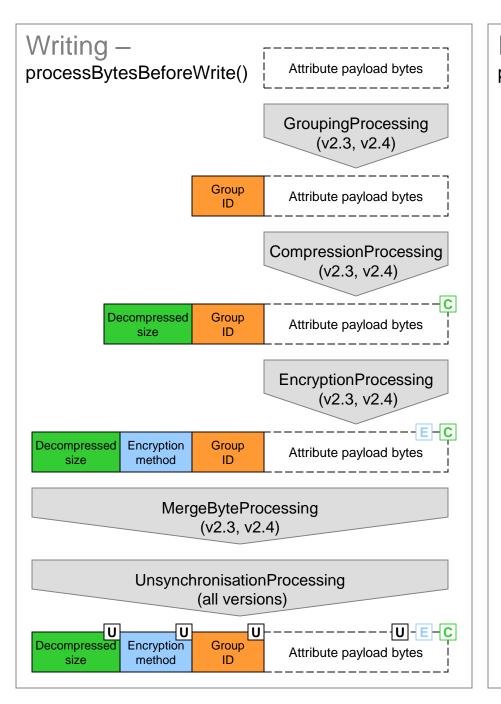
Audio Composition Structure

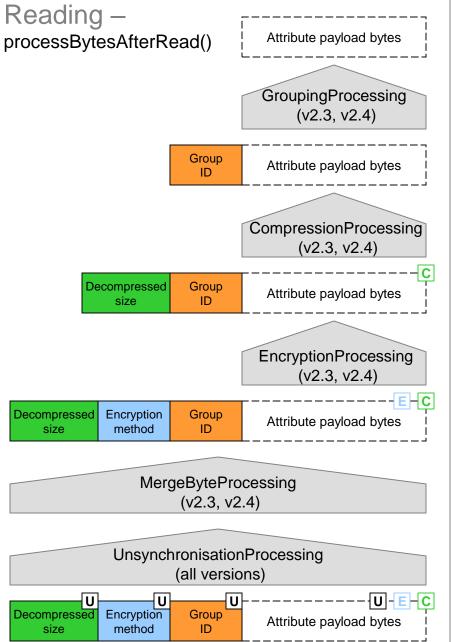




Formula for retrieving ID3v2 size to write







Example Flag Spec

Flag Bytes

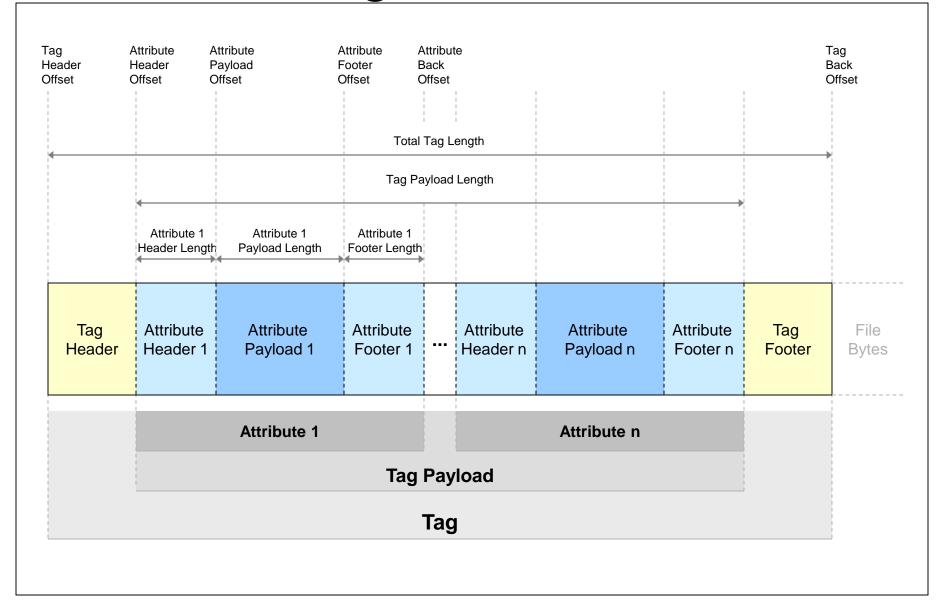
abc0 0000

Byte length = 1

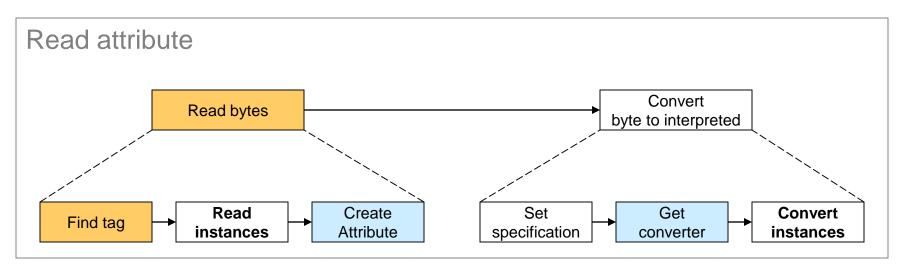
Byte order = Big Endian

Flag	Bit Address
a = Compression	(1, 1)
b = Footer available	(1, 2)
c = Experimental	(1, 3)

Tag Structure



Read attribute

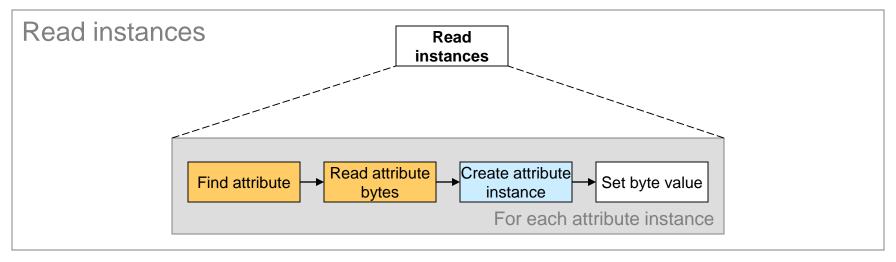


: Object creation / retrieval

: Access to physical medium

: Other action

Read instances

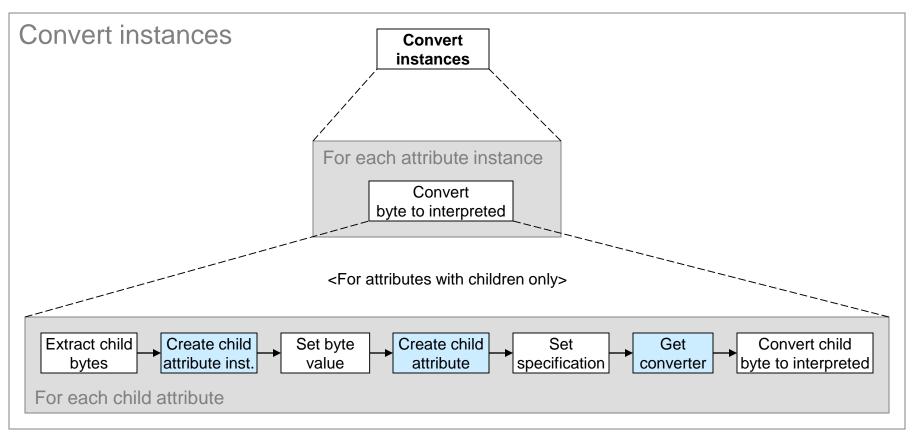


l: Object creation / retrieval

: Access to physical medium

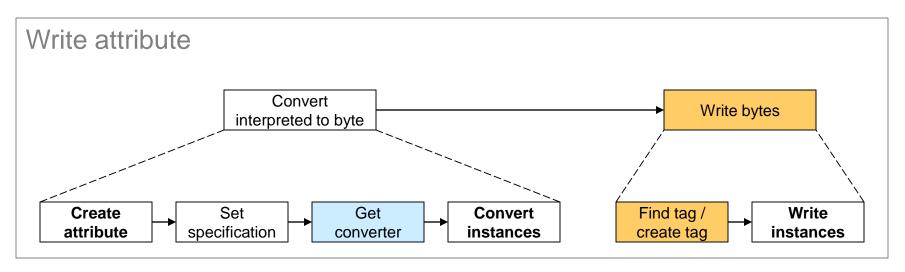
: Other action

Convert instances (Reading)



- : Object creation / retrieval
 - : Access to physical medium
 - ☐ : Other action
- : Action with sub-steps detailed on further figure

Write attribute

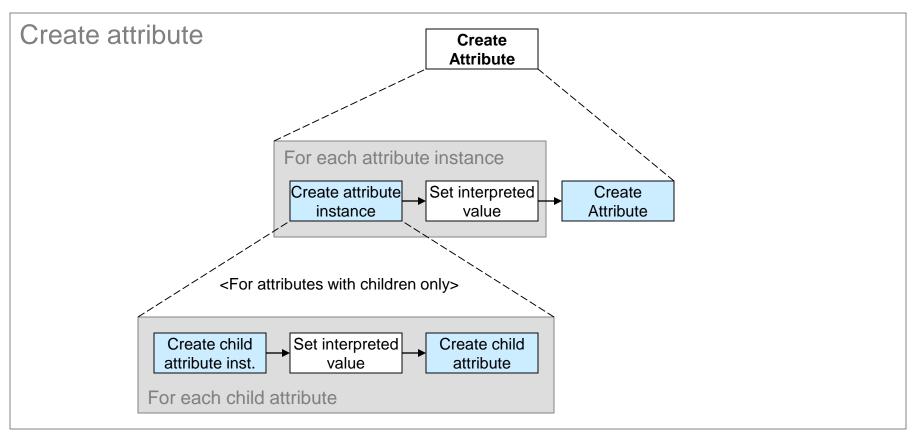


: Object creation / retrieval

: Access to physical medium

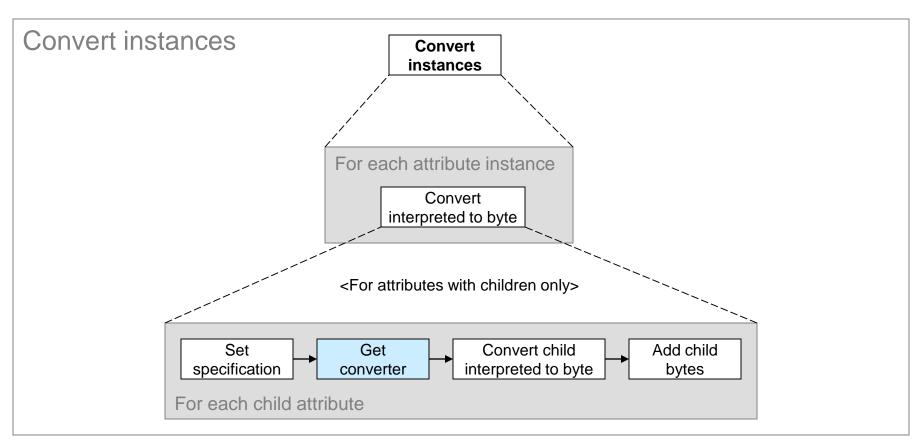
: Other action

Create attribute (Writing)



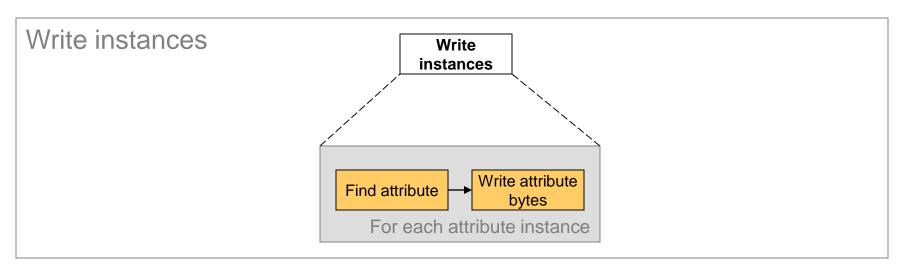
- : Object creation / retrieval
 - : Access to physical medium
 - ☐ : Other action
- ☐ : Action with sub-steps detailed on further figure

Convert instances (Writing)



- : Object creation / retrieval
 - : Access to physical medium
 - ☐ : Other action
- ☐ : Action with sub-steps detailed on further figure

Write instances

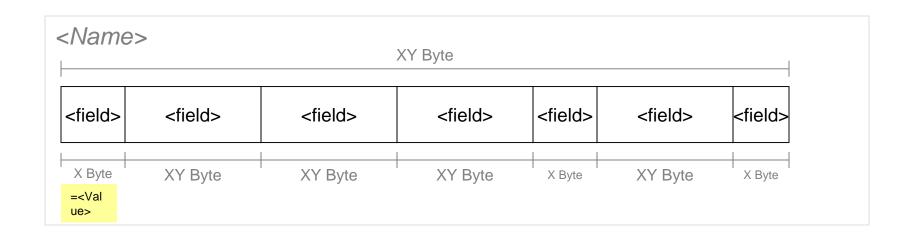


: Object creation / retrieval

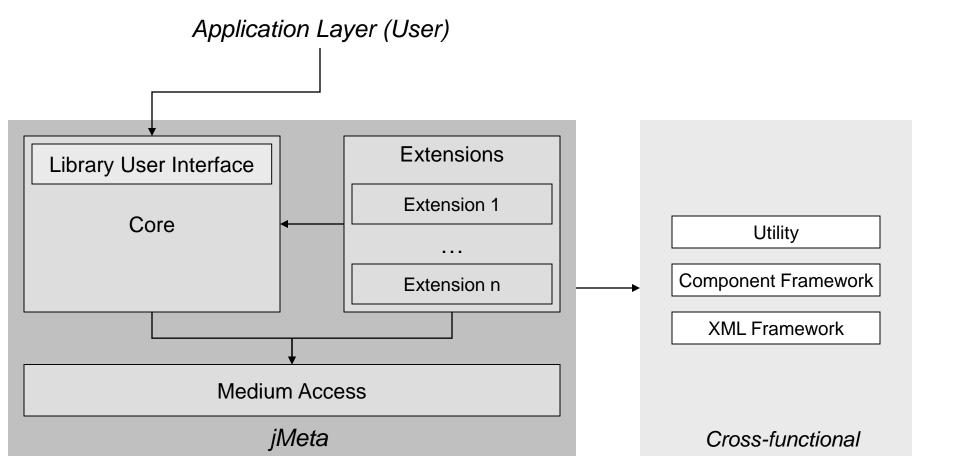
: Access to physical medium

 \square : Other action

Hallo Hallo



<part>_<chap>_Template.pdf ##SIZE=[100;100]##



ALT

Template

Hallo

Hallo