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Basic Architecture
 System software Software implementation below the API for a specific platform entirely under control of the manufacturer. Application manager The application manager is the entity in the MHP that is responsible for managing the lifecycle of the applications in the MHP. It manages both the DVB-J applications and non DVB-J applications API Application Program Interface. An interface between an application and a particular feature, function or resource of the MHP. Application Application Application Application Application Manager Resources













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Domain of an application

- The domain of an Xlet characterizes the 'space' within the Xlet is able to execute. This includes both the 'connection' where the Xlet is delivered and other 'connections' where an already executing Xlet is allowed to continue executing.
- An app can not run outside its domain.

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- The maximun lifetime of an app extends from the moment the user navigates to its domain until the moment the user navigates away from its domain.
- In the broadcast case a 'connection' corresponds to a DVB service.
- Broadcast signalling indicates wich services can load an app and wich services allow an already active app to continue.

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• DVB-HTML Actor DVB-HTML
 It is defined as the locus of activity or process involved in running the specific set of DVB-HTML documents for some DVB-HTML app, plus any instantiated context for that data.
- The actor runs inside a support app (native, plug-in or downloaded)
 The nature of the process is not defined explicitly as it depends on the nature of the support app itself.
– More than one such locus of activity may be present in any given support app
DVB-HTML States
 <u>Loading</u> Instantiation of an actor. Waiting for documents be available and loading documents without rendering them
 <u>Active</u> Gathering and parsing durrent documents and related resources, rendering documents
- Paused DVB-HTML actor should minimise its use of resources
 <u>Destroyed</u> Loading and rendering documents. Interact with the user. No longer able to access to content resources
– <u>Killed</u> Termination of the DVB-HTML application







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	Algunas referencias 1			
•	 Procesos distribuidos CORBA/IIOP (Common Object request Broker:Architecture and Specification, Object Management Group) 			
•	 DVB SI EN 300 468 (DVB) Sound and Data services. Specification for SI in DVB Systems EN 301 192 Specification for Data Broadcast ETR 211 (DVB) Guidelines on implementation and usage of Service Information (SI) 			
•	 Canal interactivo Referenciado como canal de retorno. ETR 300 800 DVB Interaction Channel for Cable TV distribution Systems ETR 300 801 DVB Interaction Channel through PSTN/ISDN ETR 300 802 Network Independent Protocols for Interactive Services 			



DSM-CC	Algunas referenci	as 3
pictures and	18-6 Information Technology associated audio informtion: Ex nand and Control (DSMCC)	6
Java		
 Java Class Li 	ibraries Vol.1 & Vol.2 by Patr	ick Can and others
 Java Languaj 	e Specification by James Gos	ling and others
– Java Media F	Player Specification Sun Micro	Systems
 Java RMI S Specification 	Sun Microsystems, Java Remote	Method Invocation
Máquina Virtu	ıal Java	
	he Java Virtual Machine Specif y T.Lindholm and F. Yellin, Ac	
– JavaTV Jav	aTV API Specification, release	candidate B.1
 Personal JAE Specification 	E Sun Microsystems, Personal Version 1.2	Java Application Environm
– ISSE - Java S	Secure Sockets Specification	



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Algunas referencias 5				
 Entorno de usuario HAVi HAVi Level 2 User Interface DAVIC Complete DAVIC Specifications 				
 Codificación de datos ASN.1 ITU-T X.680 "Information Technology Abstract Syntax Notation One(ASN.1): Specification of Basic Notation" and ITU-T X.690 "Information Technology ASN.1 Encoding rules: Specification of Basic Encoding Rules(BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)" ETS 300 706 Enhanced teletext Specification 				
 Encriptado RFC 2313 PKCS #1: RSA Encryption Version 1.5 FIPS-180-1 NIST, FIPS PUB 180-1: Secure Hash Standard 				

