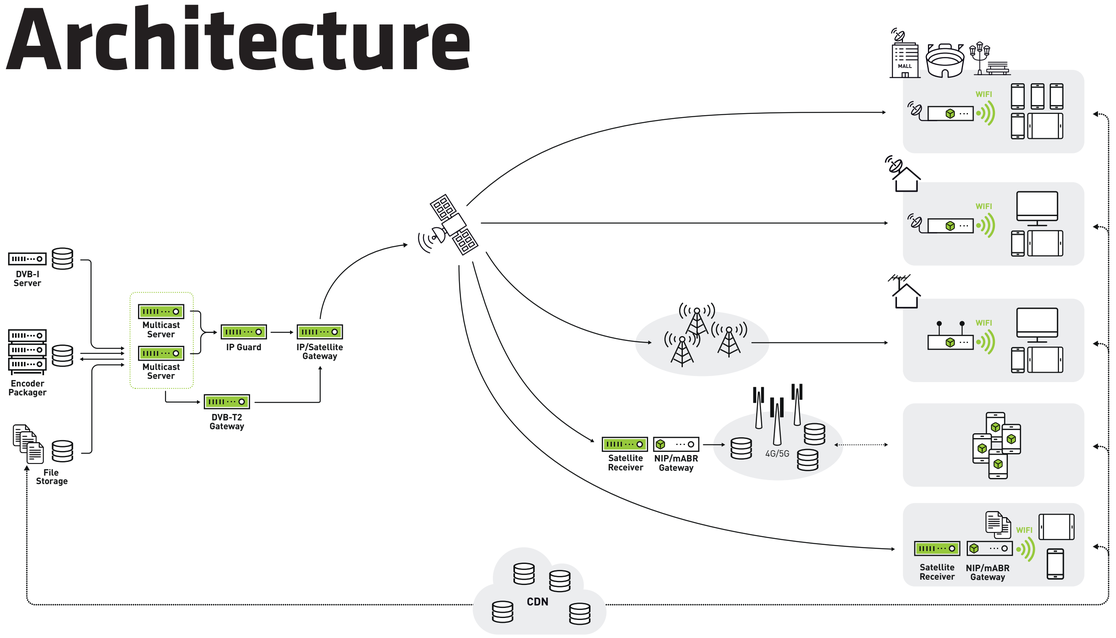
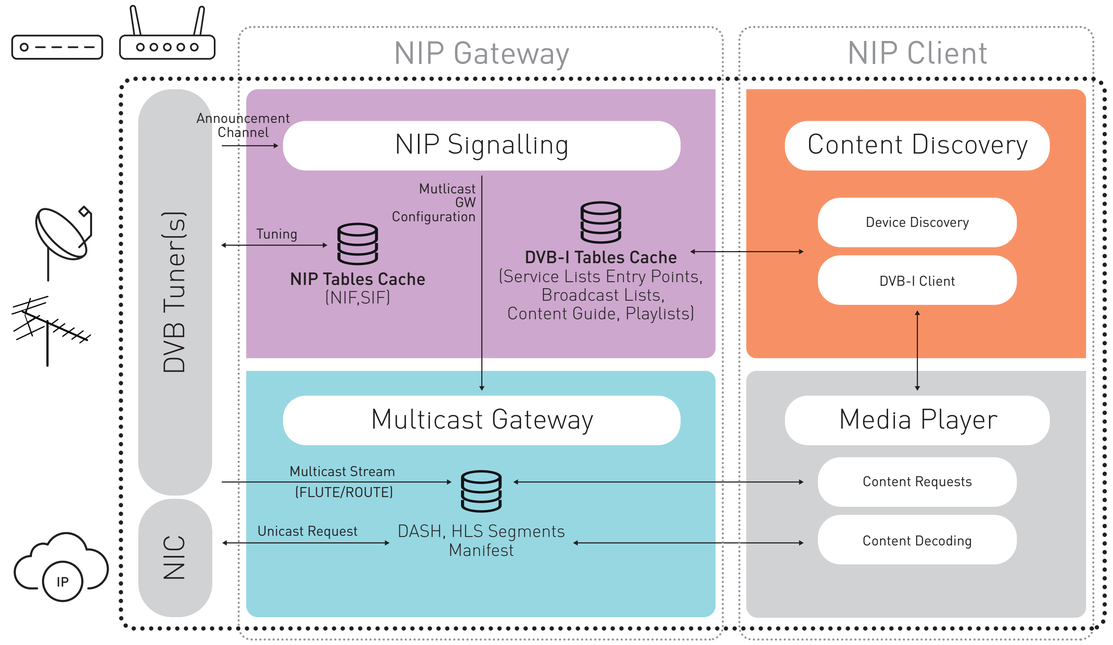
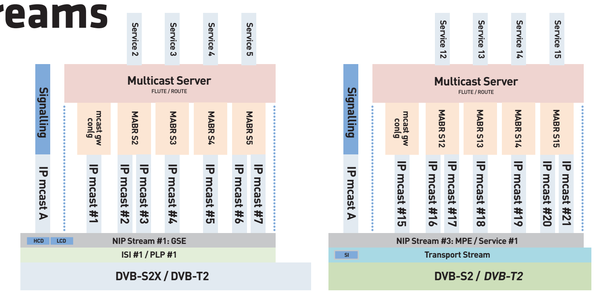
Architecture



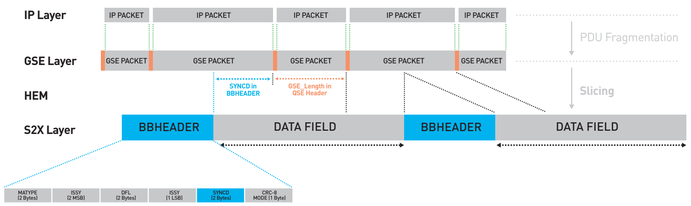
Receiver



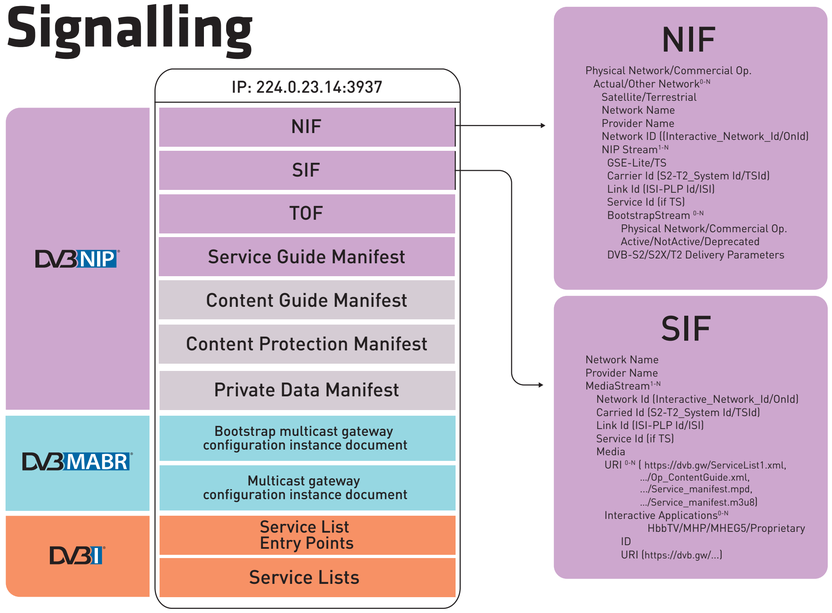
NIP Streams



DVB-S2X HEM for GSE



Signalling



NIF

Physical Network/Commercial Op.
- Actual/Other Network[0-N]
  - Satellite/Terrestrial
  - Network Name
  - Provider Name
  - Network ID ([Interactive_Network_Id/OnId)
  - NIP Stream[1-N]
    - GSE-Lite/TS
    - Carrier Id (S2-T2_System Id/TSId)
    - Link Id (ISI-PLP Id/ISI)
    - Service Id (if TS)
    - BootstrapStream [0-N]
      - Physical Network/Commercial Op.
      - Active/NotActive/Deprecated
      - DVB-S2/S2X/T2 Delivery Parameters

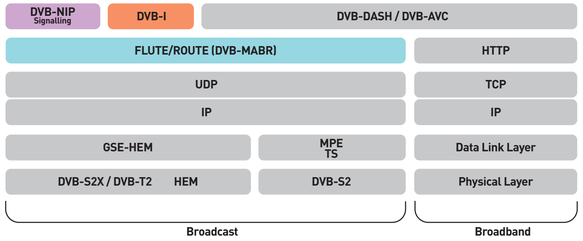
SIF

Network Name
Provider Name
MediaStream[1-N]
- Network Id (Interactive_Network_Id/OnId)
- Carried Id (S2-T2_System Id/TSId)
- Link Id (ISI-PLP Id/ISI)
- Service Id (if TS)
- Media
  - URI [0-N] (https://dvb.gw/ServiceList1.xml, .../Op_ContentGuide.xml, .../Service_manifest.mpd, .../Service_manifest.m3u8)
  - Interactive Applications[0-N]
    - HbbTV/MHP/MHEG5/Proprietary ID
    - URI (https://dvb.gw/...)

GLOSSARY

ABR	Adaptive Bit Rate
AVC	Advanced Video Coding
CDN	Content Delivery Network
DASH	Dynamic Adaptive Streaming over HTTP
DVB-I	Digital Video Broadcasting - Internet
FLUTE	File Delivery over Unidirectional Transport
GSE	Generic Stream Encapsulation
HEM	High Efficiency Mode
MABR	Multicast Adaptive Bit Rate
MPD	Media Presentation Description
MPE	MultiProtocol Encapsulation
NIC	Network Interface Card
NIF	Network Information File
NIP	DVB Native IP
ROUTE	Real-Time Object Delivery over Unidirectional Transport
SIF	Service Information File
SLR	DVB-I Service List Registry
STB	Set-Top Box
TOF	Time Offset File
XML	Extensible Markup Language

Protocol Stack



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