NetFront™ Living Connect

Market-Leading DLNA Technology Component™ Solution for Multiscreen Media Sharing on Consumer Electronics and Home Networks

NetFront™ Living Connect is a market-leading technology, based on Digital Living Network Alliance (DLNA) Technology Component™ solution that enables Pay TV operators and device manufacturers to quickly and efficiently implement multiroom and multiscreen services.* NetFront™ Living Connect can be deployed on set-top boxes, digital TVs, home gateways, smart phones, tablets, digital cameras, network attached storage (NAS) boxes and more.

Market-Leading DLNA Technology Component Solution

By applying NetFront™ Living Connect technology an extensive track record of successful DLNA Certified® device deployments has been achieved on a variety of consumer electronic devices offered by leading manufacturers in markets throughout the world. NetFront™ Living Connect is optimized for embedded devices and features high portability as well as flexible modularity, allows easy customization and supports almost any OS or CPU.*

NetFront™ Living Connect provides all the necessary features for enabling robust media sharing devices

and services for device manufacturers, content providers and naturally end-users. Furthermore, the combination of ACCESS' NetFront™ Browser solutions and NetFront™ Living Connect provides link layer protection based on DLNA VidiPath (CVP-2) technology.*

Advantages

Optimized for Embedded Information Appliances
NetFront™ Living Connect was designed from its initial planning stage as an optimal solution for resource-limited embedded environments. This has been proved by porting it to a widely deployed device list, using many different OS and CPU combinations.

Security extensions for DLNA
NetFront™ Living Connect can be extended by Commercial Video Profile (CVP-2) including HTML5 Remote User Interface and DTCP-IP Content protection. Hence, based on DLNA VidiPath it enables the delivery of television programs and movies to VidiPath certified devices. Service provider can allow consumers to stream their favorite television programs and movies to Consumer Electronic devices such as Smart TV, Tablets, STB and PC's. VidiPath is using HTML5 Remote User Interface technology to provide a consistent user experience across multiple screens. By amending additional CA/DRM technologies and extending it by ACCESS Twine™, secured media distribution across all levels of security to the latest studios' requirements can be realized.*

Linking with ACCESS Technology
NetFront™ Living Connect easily integrates with ACCESS' NetFront™ Browser solutions and can be perfectly extended with ACCESS Twine™ Multiscreen technology to leverage the full power of a flexible and portable media solution across multiple devices as well as from homes to cars. Hence, cloud content and social media communities can be easily integrated to the combined feature set of ACCESS' solutions.

* ACCESS NetFront™ Living Connect technology is based on DLNA Technology Component™ Solution, ask ACCESS for consulting, integration and customization services on interoperability and certification purposes matching the project's environment and requirements.

Benefits

Operators & Content Owners

- One-stop solution for operators
- Enables cost savings by leveraging robust DLNA specs
- Provides "follow-me" / place-shifting functionality
- Supports Premium Content distribution using DTCP-IP Link Layer

Device Manufacturers

- Shorter time-to-market with integration-ready Software Development Kit
- Full-featured DLNA and home networking solution
- Market-proven and commercially deployed

Automotive Market

- Enables media-distribution in the car
- Connects personal devices to car infotainment systems
- Allows streaming of media from rear to front seat

Consumers

- Provides Authenticated access and Parental Control
- Facilitates DLNA based application to control DTVs, set-top boxes and other devices
- Allows photo-sharing over the local Wi-Fi® network
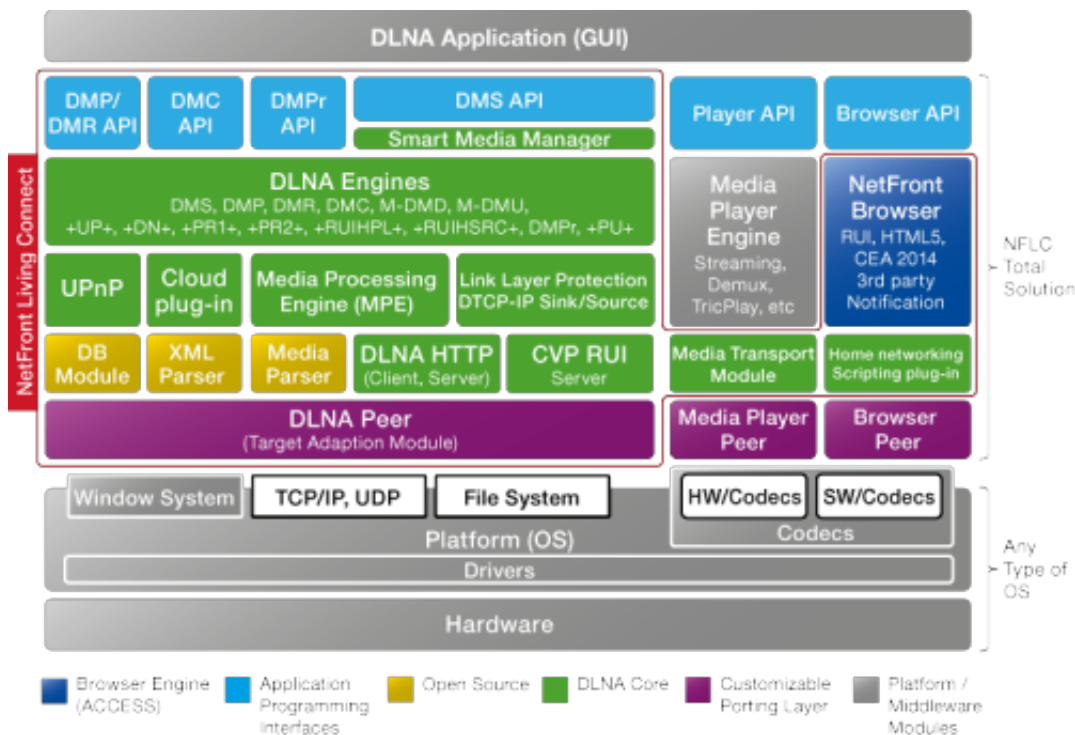- Enables immediate printing from mobile devices or DTVs without installing printer drivers

NetFront™ Living Connect overview

Software Development Kit (SDK) for

- Digital Media Server
- Digital Media Controller
- Digital Media Player
- Digital Media Renderer

Supported devices: Set-Top boxes (STB), digital TVs, home gateways, smartphones, tablets, network attached storages (NAS), personal computers, etc.*

Operating Systems: Embedded Linux®, Google® Android®, Apple® iOS™, Microsoft® Windows®, etc.

Module diagram (click to enlarge)

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Multiscreen and the challenge of connected entertainment

Dr Neale Foster, VP Global Sales TV at ACCESS on the proliferation of multiscreen devices and the emergence of TV Everywhere, recorded by Videonet

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