

NetFront™ Widgets

A Comprehensive Widget Platform Based on NetFront Browser,
the World's Browsing Standard



NetFront™ Widgets enables the creation of an Internet widget ecosystem that includes content providers, device manufacturers and service providers through which service providers can deliver high value Web 2.0 services to their customers.

NetFront Widgets exemplifies ACCESS' commitment to delivering the most advanced Internet technologies for mobile devices and devices beyond the PC. This unwavering commitment has made ACCESS' NetFront™ Browser the most popular choice for manufacturers and operators. In fact, NetFront products, including the NetFront Browser, have shipped in over one billion devices around the world, including mobile phones, digital TVs, set-top boxes, mobile handhelds, game consoles, automobile navigation systems and more.

Advantages | NetFront Widgets

One Billion and Counting...

As a testimony to its popularity, NetFront products, including NetFront Browser, have shipped in over one billion devices around the world, including mobile phones, digital TVs, set-top boxes, mobile handhelds, game consoles, automobile navigation systems and many other types of products. Chances are one or more products you use on a daily basis incorporate NetFront technology. This success exemplifies ACCESS' commitment to bring the Internet to beyond-PC devices. ACCESS continues to advance NetFront products, and as more products in the home become connected, ACCESS and NetFront will be there. NetFront Widgets extends ACCESS' leadership position for bringing the Internet to mobile devices.

Personalization

NetFront Widgets provides immediate access to personalized and customized Internet content. End-users can personalize their widgets to suit their own specific preferences, and the range of content spans a wide gamut, from stocks and weather, to social networking and beyond. NetFront Widgets delivers an Internet experience that is exciting, immediate and personalized.



Mobile Phone



Car Navigation



Digital TV

Features | NetFront Widgets

Client

- W3C content format support: HTML, XHTML, CSS, JavaScript™, AJAX, etc.
- Supports widget content download through the integrated download descriptor
- Supports several running instances of the same widget content and provides a mechanism for widget content service differentiation

Client-Server Linkage

- Content update feature
- Player update feature
- Fraudulent content termination feature

Specifications

- Developed as a subset of the W3C Widgets 1.0 specification
- Proprietary signature method, also adaptable to W3C Widget methods
- Proprietary widget DOM interface

Functionality Extension

- Default extension for common device functionalities (location, power, wireless information, etc.)
- Provides a powerful mechanism to extend JavaScript functionality

Security

- Advanced security implementation to protect against malicious code, targeted identity theft, terminal crashes, security bugs, hack exploitations, etc.
- Trust levels, protection modes and server access control mechanisms



Key Benefits | NetFront Widgets

Network Operator

- Allows mobile network operators and service providers to add value to their services, maximize the hit rate of targeted customers, and increase access to their data services while also increasing subscriber volume
- Provides an opportunity to increase customer satisfaction as well as a new way to let end-users customize their service, enabling different user experiences on the same device

Handset Vendor

- Creates brand differentiation and improves service value of handset devices
- Provides a ready solution for handset vendors who do not develop their own widget content, improving time-to-market
- Helps handset vendors to speed deployments while reducing content sourcing risks



Service/Content Provider

- Provides an opportunity to expand the volume of value-added solutions or content offered to customers
- Provides an opportunity to effectively use web programming skills and programmers
- Simplifies widget content development

End-User

- Helps end-users publish their own content while providing them wider access to a variety of widget content for their own use

Specifications | NetFront Widgets

Module

- Widget Engine

Module Implementation Support tools

- Platform porting guides
- Sample widget content

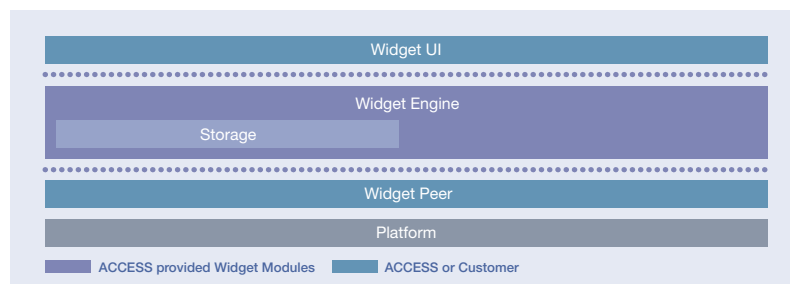
Widget Content Development Tools

- NetFront Widgets Packaging Tool
 - Packaging and content check
- NetFront Widgets Viewer

- PC-based authoring tool (under development)
- Widget content development guidelines
 - Notes and tutorials
 - Security guidelines

Device Requirements

- ROM (Widget Manager & Widget Player Engine): 2MB + Widget UI Application
- RAM: 1MB and above (content dependent)



Information | NetFront Widgets Community Site

PC Site

The NetFront Widgets community site features a wide variety of widgets for free download as well as the NetFront Widgets player. The site currently hosts Windows Mobile and S60 versions of the NetFront Widgets player that allow widgets to be shared between both platforms free of charge.



PC Site



Mobile Site

Mobile Site

The NetFront Widgets community site is also available as a mobile site where users can download widgets and players or simply check the latest information directly from their mobile devices.

Widget Content Development Tools Now Available

Development tools for effective and easy development of widget content are now available.

Package

- NetFront Widgets Viewer
 - Memory consumption management feature
 - JavaScript error console
 - Virtual screen feature
- NetFront Widgets Packaging Tool
- Content creation tutorial
- Various documents



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