scientiamobile

The first step in a great mobile experience

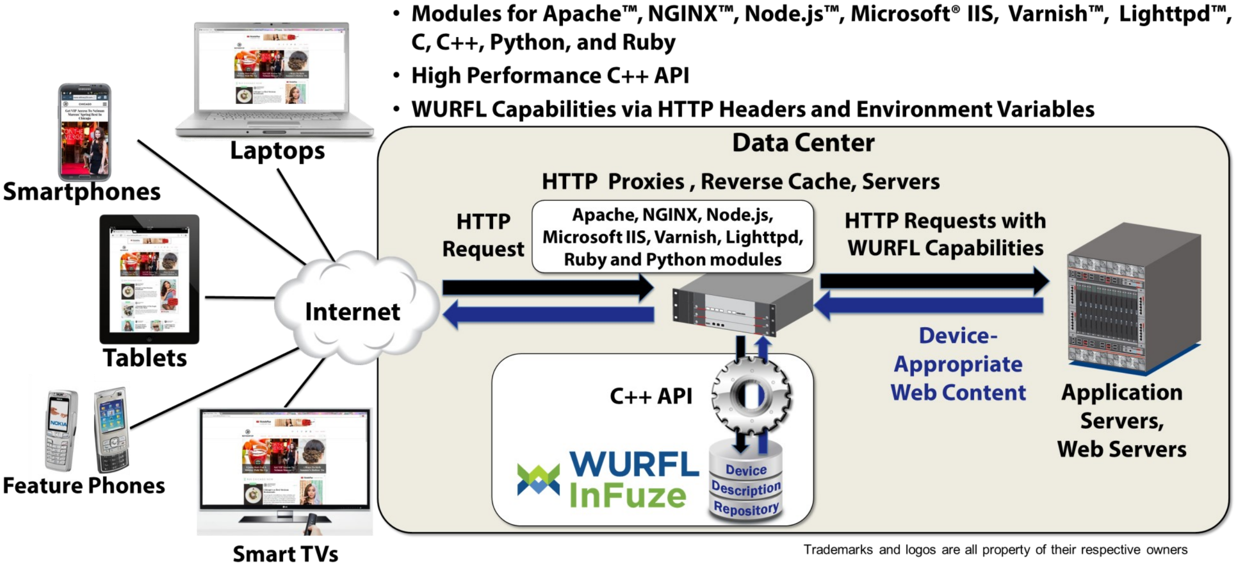
WURFL® InFuze

WURFL InFuze is a set of products based on the WURFL C/C++ API. WURFL InFuze gives enterprises performance that is not achievable with the other APIs for higher-level languages. Moreover, WURFL InFuze opens up new possibilities in terms of network-level integration of device detection.

Among others, WURFL InFuze enables the following use cases:

- HTTP request augmentation
- Environment variable augmentation
- Device-aware load-balancing

Building on the C++ API, WURFL InFuze provides modules for Apache, NGINX, Microsoft IIS, Node.js, or Lighttpd that integrate WURFL capabilities into any application running on these servers. WURFL InFuze also offers a VMOD for Varnish Cache. Finally, we offer Python and Ruby modules for developers to seeking to leverage WURFL InFuze's high performance.



• Modules for Apache™, NGINX™, Node.js™, Microsoft® IIS, Varnish™, Lighttpd™, C, C++, Python, and Ruby
• High Performance C++ API
• WURFL Capabilities via HTTP Headers and Environment Variables
Smartphones
Laptops
Tablets
Feature Phones
Smart TVs
Internet
Data Center
HTTP Proxies , Reverse Cache, Servers
HTTP Request
Apache, NGINX, Node.js, Microsoft IIS, Varnish, Lighttpd, Ruby and Python modules
HTTP Requests with WURFL Capabilities
Device-Appropriate Web Content
Application Servers, Web Servers
C++ API
WURFL InFuze
Device Description Repository

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WURFL InFuze C++ API

The C++ API can be used with high-speed services implemented in C or C++ that require device detection. While natively written in C++, the API is a port of the Java version and, as such, implements the latest and greatest logic found in the standard WURFL API. The API is made available with a C layer that allows linking to C programs on a wide variety of platforms (Linux, Unix, FreeBSD, SmartOS, Microsoft Windows).

WURFL InFuze for Apache, NGINX, and Lightppd

WURFL InFuze supports modules for Apache and NGINX. Once installed on the server, web developers can access WURFL capabilities as environmental variables in their code. There is no need to invoke and make a specific call for WURFL capabilities. This relieves web and mobile developers from the need to install and manage device detection as a separate module. And because the C++ API is the underlying code for these modules, ScientiaMobile is delivering both simplicity and speed. We also offer a module for Lighttpd.

WURFL InFuze for Microsoft ® IIS

Developers for .NET and Microsoft's Internet Information Services (IIS) for Windows Server can tap into the power of a single instance of WURFL InFuze that is integrated with IIS and access device intelligence from multiple applications across the network. WURFL InFuze integrates with Microsoft IIS through an ISAPI plugin. So device capabilities are right there in the HTTP headers, ready to use.

WURFL InFuze for Node.js

The WURFL InFuze for Node.js module provides device detection for developers of scalable real-time applications using the Node.js platform. As an Add-On, Node.js binds the WURFL InFuze library and delivers device capabilities to both the server and any applications running on it.

WURFL InFuze for Varnish Cache

WURFL InFuze provides a Varnish Cache VMOD to add device intelligence to reverse-caching proxy decisions by exposing WURFL device capabilities to the VCL scripting language. With WURFL device capabilities, Varnish can manage different content strategies for different segments of devices. Among other uses, Varnish Cache can be used to augment HTTP requests with new HTTP headers containing device information. Organizations have used the Varnish Cache module to provide different caching strategies to web and mobile content.

WURFL InFuze For Python and Ruby

Python is a flexible programming library capable of tying into WURFL InFuze's C API. WURFL InFuze for Python provides tools so developers can easily integrate high-performance device detection into their Python code base. In addition to access to the WURFL Device Description Repository, WURFL InFuze for Python includes command line utilities suitable for optimization and analytics use cases. WURFL InFuze for Ruby is released as a gem. It wraps the WURFL C/C++ API and encapsulates it in an object oriented manner, to provide a fast, intuitive interface.

Open and Extensible Device Description Repository

WURFL InFuze provides a truly open Device Description Repository (DDR). This means customers can open, edit, and modify the WURFL DDR xml file as they see fit. WURFL InFuze works out of the box, but for specific business reasons, customers may chose to override device data or add new device profiles and properties.

Customers can also extend functionality with WURFL patch files. They can add both groupings of devices and new capabilities to the WURFL repository. As the xml file is updated weekly, the customer's WURFL patch file continues to deliver its extended functionality. This way, customers can maintain their own branch of WURFL modifications to meet their unique business needs.

Device Coverage

ScientiaMobile is constantly updating and expanding its Device Description Repository (DDR) to ensure accurate coverage of the newest devices and the long-tail of older devices. WURFL's Device Repository covers over 9,000 device types, including smartphones, tablets, laptops, and smart TVs. As the DDR grows, detection performance stays high through use of caching and efficient database architecture.

WURFL InFuze provides over 500 fields that describe and classify device capabilities. These capabilities describe critical features like screen dimension or media rendering capabilities. These also include useful virtual capabilities like "is_smartphone", "is_robot", and "is_touchscreen."

DDR Updates

Weekly updates of WURFL DDR xml are available via a direct download URL. Customers frequently schedule a job to check for and download the latest update.

Support

We actively moderate and respond to ScientiaMobile's forum that reflects the knowledgebase built over the last 10 years. In addition, licensed users of WURFL InFuze receive support via our Enterprise Support Portal. Our highly responsive support team responds quickly to ticketed problems.