

Real-time Cloud Powered

PubNub

PubNub is a new kind of Broadcasting for Mass Communication in the Cloud. **PubNub** delivers unified Real-time messaging for all platforms and devices. Already more messages are published to **PubNub** each day than to **Twitter**. Only **PubNub** supports both Push Broadcasting and Many-to-Many Communication across all connected devices: mobile phones, tablets, browsers, set-top boxes, and game consoles.

PubNub is fast, stable, redundant, and secure. Cloud-Hosted and globally distributed, **PubNub** is written in native C code and is hosted at Amazon's EC2 and Rackspace, both providing world-class network infrastructure and data centers. Real-time remote monitoring is delivered from within Google App Engine to ensure quick fail-over and recovery.

PubNub's concurrent message delivery speeds are measured in nanoseconds. Messages are stored redundantly across multiple servers and data centers. When a network connection drops (3G, WiFi, etc.) messages are delivered automatically upon re-connect through a proprietary message caching system.

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Security Implementation

PubNub provides a default baseline level of security, with optional encryption and messaging signing support for high-security applications.

Physical & Server Access Security - **PubNub** is hosted at Amazon and Rackspace data centers, both of which are certified as both ISO/IEC 27001 and SAS70 Type II Compliance. These data centers provide multiple layers of physical security, and support multi-factor authentication and PGP key access to servers. More information about these certifications can be found at

<http://aws.amazon.com/security> and at

<http://www.rackspace.com/whyrackspace/expertise/index.php>

Account Access - Accounts for **PubNub** developers and administrators are stored in a different data center behind a firewalled environment completely separated from our production

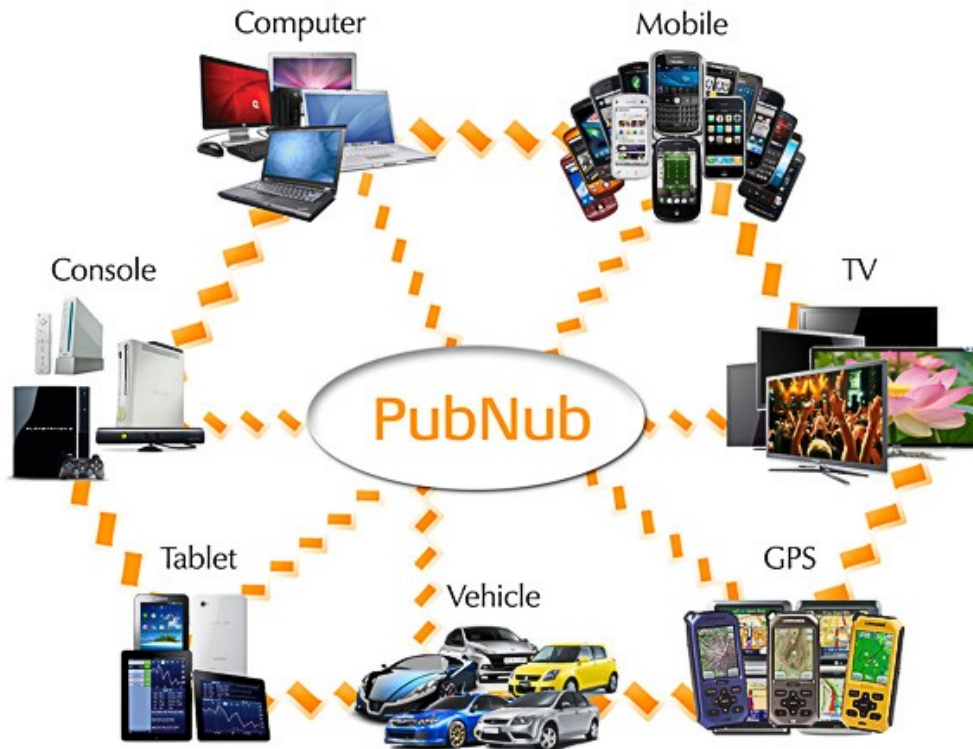
messaging infrastructure. That means that no end-user applications using PubNub have access to administrative account credentials or data. All PubNub accounts use Google authentication to ensure a secure, industry-accepted access solution.

Message Signing - Message Signing is a process of including an additional hashed value with the published message. The hashed value is calculated by the sum characters of the request string with the addition of your account's Secret Key. Message Signing provides additional insurance confirming the origin of the message to be authentic.

2048 Bit SSL Encryption - SSL Encryption is an industry standard for keeping message content private. PubNub offers 2048 Bit SSL Encryption as an optional high level of security and message payload protection. Because of the High CPU cost to encrypt and decrypt each message, SSL support is provided at a premium price.

Cross-site Scripting Prevention - When using the PubNub JavaScript interface, our API provides protection against script injection and XSS (Cross-Site Scripting). This logic works in cooperation with your Client Application and the PubNub Cloud. Malicious requests are detected and blocked, preventing the broadcasting of the payload.

Connect Everything.



To Everyone.
Instantly all at once in Real-time.



Every Place On Earth

