

IPBRICK REPRODUCES MUSIC FOR MOVISTAR USERS

Sector: Telecommunications

Scalability and a non-stop service: these are the main concepts of IPBrick implementation in Telefónica.



CLIENT

Movistar is the mobile phones network operator owned by the Spanish multinational Telefónica. Currently, Movistar has over 23 million users in Spain, which corresponds to a 44% market share in mobile telephony. The service YAVOY provides to Movistar users the possibility of defining a music or other sounds (funny voices, jokes, imitations of famous people...) when someone calls them.

CHALLENGE

IPBrick and its Spanish partner - Telecomputer - were defied to provide a Large Capacity Storage System to Telefónica Intelligent Network nodes, which are responsible for offering YAVOY service. This system has to stock all content that users buy and ensure its adequate supply, by providing a continuous and reliable service.

The service continuity was one of this project biggest challenges: it had to be possible to add disks to machines without having to shut down the servers.

SOLUTION

Telefónica has 20 IPBrick servers that are spread throughout Spain. To win this project, IPBrick innovated and created the possibility of adding disks to machines without having to shut down the servers. Furthermore, it is possible to extend the IPBrick file systems to be used in new discs and the whole process is done without stopping the servers. Due to IPBrick, YAVOY has a non-stop service for two years.

When YAVOY service wants to provide a new file to users, this file is uploaded in the IPBrick 'master' server based in Madrid. Then, the different machines located in other cities in Spain sync with Madrid's 'master' server.

MULTIFACETED TECHNOLOGY

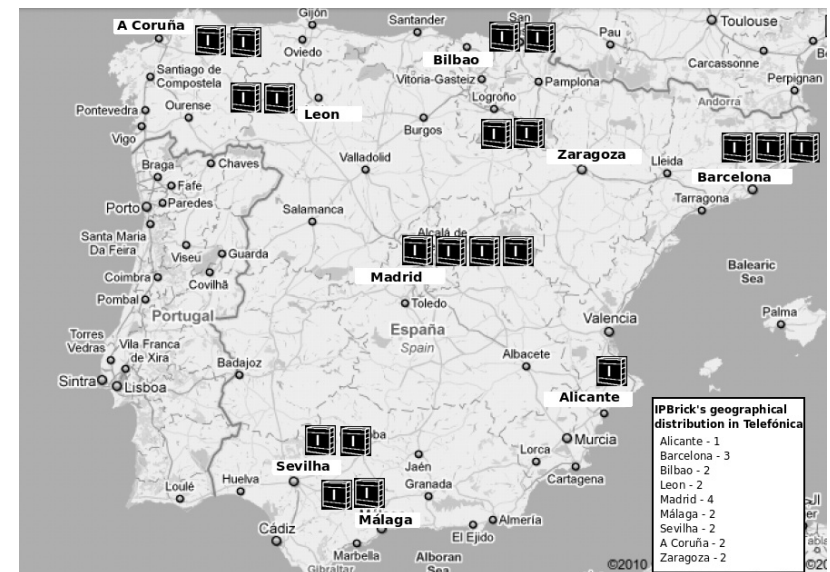
IPBrick Linux - Solutions for Intranet, Security and Communications

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So when a user in Galicia wants to set a certain waiting tone, his phone will "get" that file in the IPBrick located in Coruña's node of Telefónica Intelligent Network.

And there's more to the future: Telefónica's intention is that users can also upload and exchange their own sound files and music. These files will be managed and stored on existing IPBrick servers.

Telecomputer, which is our Spanish partner responsible for implementing IPBrick technology in Telefónica, was the hardware vendor for this project. This solution implies high-capacity servers with eight processors (CPUs), redundant power supply and a storage capacity of 10TByte.



IPBrick is the result of IPBrick International R&D work, a portuguese company that has already celebrated ten years of existence. Apart from IPBrick Linux servers, we also produce two innovative softwares - iPortalDoc, an effective system of document management and workflow - and iTicket, a trouble ticket system. These products are present worldwide through a network of partners spread across all five continents.

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