

MATERNA Success Story



Overview:

Network operator O2 UK

About O2 UK:

O2 is a leading provider of mobile services to consumers and businesses in the UK. It is the leader in non-voice services, including text, media messaging, games, music and video, as well as data connections via GPRS, 3G and WLAN.

O2 UK is part of the wider O2 group which is a wholly-owned subsidiary of Telefónica S.A.

Background:

O2 chose MATERNA's gateway against stiff competition, to provide a system that met the company's future WAP gateway requirements. This was to deploy a platform with a simple architecture that was flexible, resilient and highly scalable, whilst at the same time being cost effective to install and run. These requirements were met in full.

Solution:

The Mobile Data Gateway serves as a Mobile Internet Gateway (former 'WAP Gateway') in a network operator's infrastructure, meeting the strictest of requirements, with respect to availability and flexibility, thus, making allowance for 2.5G, 3G and mobile broadband networks.

Benefit:

The Mobile Data Gateway enabled O2 UK to reduce service costs significantly. By replacing the existing system the hardware outlay was reduced from twenty-six to only eight servers. Due to its distributed architecture individual servers can be taken offline without affecting service continuity.

O2: No.1 data carrier in UK

More than 20 Million page impressions a day!

What our customers say:



MATERNA's MDG has provided O2 UK's WAP Gateway capability for the past 4.5 years. Its simple architecture has proven to be flexible, resilient and scalable, whilst at the same time being cost effective to install and run.

Since its introduction, this flexibility and scalability has enabled O2 UK to expand capacity at minimum cost to meet the growing demands of WAP, MMS and Java games services.

The O2 UK WAP gateway now forms one of the largest gateways in use in the UK. MATERNA has provided a platform that has enabled O2 UK to be at the forefront of the mobile data communications market.

WAP1, WAP2 and Push Proxy Gateways platforms were successfully deployed and integrated into the O2 network, forming one of the largest gateways in use in the UK and currently servicing more than 20,000,000 page impressions a day!

The WAP2 gateway element was delivered ahead of schedule, enabling O2 to launch this service before its main competitors. Service and support throughout the installation phase and to date have been very good. MATERNA have provided a platform that will enable O2 UK to keep its leading position in the mobile data communications market."

MARK COTTON, Delivery Manager O2 UK

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Benefits of the MATERNA MDG

Policy Management & Access Control

Policy Management and Access Control enable network operators to finely control Mobile Internet data traffic in their network infrastructure.

Reporting & Statistics

Provides full and detailed picture of Mobile Internet traffic for error tracking, traffic evaluation and service usage.

Protocol Optimisation

Significant response time reduction due to effective TCP and HTTP protocol optimisation and content compression

Header Enrichment

Provides services detailed customer and access network information for tailored service handling

Interoperability

Proven interoperability with thousands of mobile devices for best user experience

Wholesales PPG

Fast and intuitive administration and management of Push services of the Push Proxy Gateway

Customisation

The MDG is designed based on standards with customisation in mind to fulfil the individual requirements of our customers

Highly Scalable

Easy scalability for fast, cost effective enhancement of Mobile Internet gateway infrastructure

High Performance

Ultra high performance, minimizing the hardware footprint within the operators data centre