Leading European Telecommunications Provider Supports Billions of Payment Transactions Annually with Comprehensive Payment Platform Implementation

A REPORT FROM NEWNET COMMUNICATION TECHNOLOGIES, LLC

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Comprehensive Payment Platform Implementation

Customer Profile

Leading European Tier 1 carrier customer offering wireline and wireless services with multi country footprint, who offers services that meet the unique data communications needs of high volume transaction customers. This customer enables data bursts to be reliably transported over the proprietary packet network, enabling merchants, processors, banks and any entity requiring the transfer of short and burst data to receive and process orders. Many businesses benefit from this customer's transaction services - from companies performing e-commerce to credit processors servicing retail merchants, banks servicing customers through electronic funds transfers and automatic teller machines, or pharmacies seeking insurance card verification and medication eligibility.

With a large transaction volume in Europe, this customer has huge installed base of supported acquirers, processor and banks offering payment acquiring and routing services for a wide variety of access technologies including Dial, Broadband and Mobile.

Key Requirements

Integrated Solution
Working with the best in breed MPLS network, the solution for payment processing has to be integrated closely with the customer's network and had to be enhanced to suit their service deployment and delivery models. Having the ability to offer services globally, the need is for a system that can be deployed globally and meets international standards and supports global payment protocols.

Mobile Payments on Smart Devices
As new generation payment services are evolving, which enables mobile devices to act as payment devices, there is a huge requirement to support payment services from mobile devices. With security being one of the paramount concerns with mobile payments, the solution had to provide additional mechanisms to ensure the security of cardholder information

Volume & Growth
Customers' statistics indicate almost doubling of payment traffic with a phenomenal increase in transaction volume from over several million terminals, with the total volume touching over several billion transactions annually. With increasing volume of transactions and newer and advanced payment terminals being added to meet the growth, there is a significant growth in transaction volume predicted for the next several years.

Reliability & Security
Systems that are expected to route billions of transactions annually and the transaction dollar value touching billions of dollar, it is of paramount importance to have a high available, highly reliable payment processing system with highest security which cannot afford to have any moment of service disruption.

Solution

NewNet solution offering to this European payment network services leader include STG, AG1000 and TKSS systems serving as comprehensive payment platforms for complete range of payment transactions for Dial services with IP connectivity, Mobile smartphone/tablet based POS payment services, TLS/SSL IP services for HTTP and internet payment devices, and ability to expand to Mobile Wallet services for NFC Mobiles as the user mobile have NFC capability. P2PE is provided for enhanced security of the transactions. These systems offer highest levels of performance reliability and PCI DSS standards compliance for security.

Mobile Tablet/Smartphone POS

NewNet's advanced payment processing capabilities on the AG1000 payment platform enables to support secure and standards based payment processing for multiple smartphone, tablet devices acting as POS terminals with faster completion of transactions. Additional encryption capabilities for securing the mobile device based transaction with complete end to end encryption of transactions make this solution a favorite from the security perspective.

Internet Payment

High volume, high speed processing capability equipped NewNet AG1000 platform offered for delivering   advanced industry standards based security capability and options to support major expansions and also to support newer service for the future growth anticipated in the network. NewNet's unique ability to offer software customizations for rapid deployment of new TLS/SSL & HTTPS services with compatibility for legacy server interfaces is a key advantage for extending the platform for supporting newer payment services routed over mobile broadband networks.

Dial Payment

With significant growth anticipated and offering services for some of the largest acquirers, processors and banking institutions in the payment industry, the ability to handle multiple hundreds of millions of transactions per month is a significant challenge. Industry proven and the highly rated STG Dial transaction processing platform enables the service delivery for this challenging requirement   with capability to handle over 270,000 busy hour call transactions per chassis at full capacity, which is the highest in the industry for short duration(avg10 sec) transactions.

Security with P2PE

Enhanced security is offered for the payment transactions encompassing all types of accesses including, Mobile, Web and Dial technologies utilizing the TransKrypt system supporting P2PE. With a high performance and advanced HSM system the TKSS ensures standards compliant security for high volume transactions.

Integrated solution with profound feature customization capabilities and committed technical teams for rapid turnaround of new services topping the product architecture based on over 30 years of industry experience makes the NewNet solution to be the utmost fit for current dial, internet services and future mobile technology based payment services.

NewNet
SECURE PAYMENT TRANSACTIONS

For more information contact a NewNet Representative,
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