



## PoS payment application management

Service: POS terminal management  
Sectors: retail, ticketing, transport, health care and more  
Vertical: Payments  
Customers :1000+

### The Client

The client was a small UK Payment Service Provider providing multichannel solutions to a range of industry sectors with payment terminal devices managed directly and through third-party resellers (ISVs).

The client's proprietary payment processing platform provided both server facilities to handle authorisation and settlement as well as MS Windows and Android point-of-sale payment integrations to merchants' own PoS systems.

The need to provide regular and secure updates for customers and the wide geographical coverage of the user base meant that there was a significant logistical challenge to update customer installations manually and there was therefore a need for a means to streamline this so remote terminals could be configured and updated in a carefully controlled manner.



### HOW DID WE HELP?

We developed a secure terminal management system to solve the problem of simple and timely update distribution for encryption keys, updated runtime configuration parameters and new versions of the Windows and Android payment integration applications themselves. This used industry-standard public key encryption (PKE) layered over symmetric session-based encryption to protect managed assets both at rest and in transit at all times.

We developed a secure management console for this which was also able to upload remote terminal logs to support operations.

As part of PCI SSS compliance, we later specified and designed terminal management system updates and associated payment integration features required to facilitate or enable this process. We improved the key security levels as well as We managed a joint team in UK and China to do this.



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