



PCI Compliance Engine

Get your airline compliant – quick and simple

PCI Compliance Engine creates value

- Keep customers' card data safe
- Reach compliance with PCI DSS
- Minimize cost of PCI compliance
- Save time in project and certification
- Minimize IT and business process impact

The abuse of credit card data is unpleasant for everyone – not only for consumers. The rise in abuse has prompted the major payment brands to define a new standard with rules regarding the treatment of card data – the Payment Card Industry Data Security Standard (PCI DSS).

You as an airline will also have to comply to this standard. Non-compliance can result in fines, loss of liability in case of compromise, or as a last resort, even loss of the right to process credit cards – which would of course be a complete disaster for every airline!

But my airline doesn't have any security gaps – or does it?

Do you know how many card data and records you process, store or transmit across your airline? Can you really guarantee that they are secured properly?

From booking up to accounting, payment card data are to be found in numerous processes and can be accessed by a large number of people. The tiniest security gap might be sufficient for a breach. You cannot afford to risk a security breach. Costs of up to US\$305 per individual record would be the result (Forrester Research, Inc).

Further, primary losses would be:

- incident fees
- costs of fraud
- handling and compensation costs
- cost of litigation

Secondary losses:

- loss of customers' trust
- considerable loss of image
- possible loss of capitalization
- declining (online) sales



To give you vivid example:

A case of one million compromised cards could quickly add up to a total cost of US\$300,000,000! Is that something your airline's balance sheet would be able to absorb?

A prudent investment

Wouldn't it be simpler and more prudent to implement a solution which is far more cost-effective and even more secure? Which has also been certified according to VISA's Payment Application Best Practices standard? And which is going to be recertified continuously according to the new Payment Application Data Security Standard (PA-DSS)?

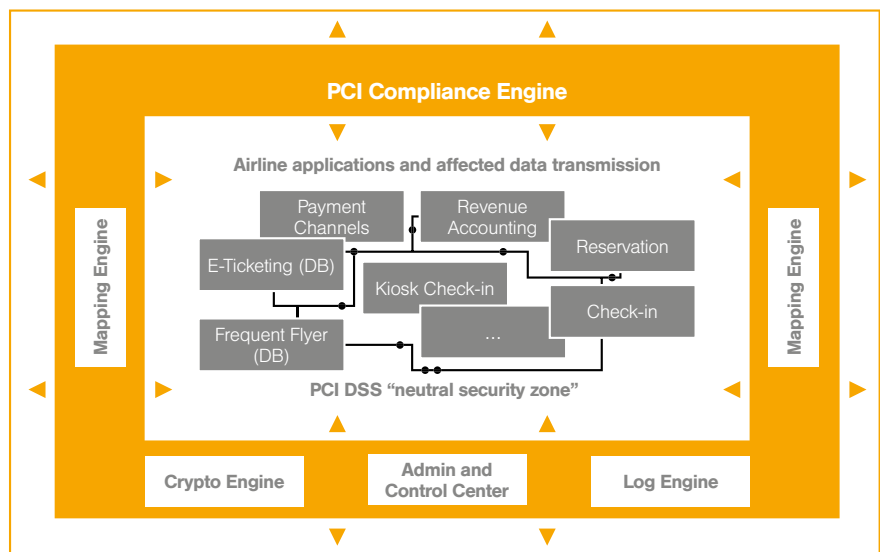
Place your trust in a truly simple solution: PCI Compliance Engine

Compliance with PCI DSS means fulfilling around 380 dedicated requirements in each of your affected applications.

That sounds rather complicated – but it doesn't have to be because we provide a truly simple yet effective solution.

Our method

We replace the original incoming card data in your systems with artificial IDs. Your ap-



Lufthansa Systems reaches certificate of compliance after six months of assessment.

plications will thus be PCI DSS-compliant while keeping your processes stable. Central storage of the original data reduces the risk of compromise to an absolute minimum.

Other solutions are prohibitively expensive. Normally, PCI DSS-certified application and infrastructure operation means an increase in running costs of up to 30%. Additionally, the cost of certification and audits is incurred repeatedly.

By creating a neutral zone without original card data we can succeed in taking your applications out of scope of the DSS and thus in avoiding these excessive costs.

The engine's value unfolds when implemented as a corporate solution. The more applications that join the neutral zone, the greater your benefit:



- Implement quickly and easily – plug in one application after the other
- Avoid multiple encryption technologies – it just adds cost
- Keep processes stable, fast, and efficient thanks to one individual artificial ID
- Minimize potential security gaps
- Reduce time and cost of auditing and certification

Target group

PCI Compliance Engine is intended for all airlines that need a sustainable, secure solution to comply with PCI DSS requirements. Being flexibly scalable, it is designed for large and small carriers alike, independent of your processes or IT landscape.

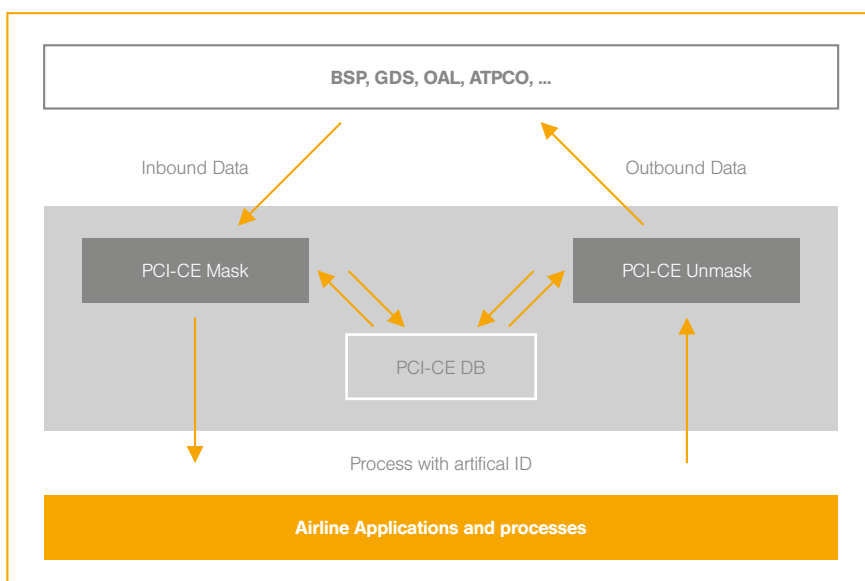
Key functionality of the PCI Compliance Engine comprises:

- Shielding of applications affected by PCI DSS
- Central storage of encrypted card data
- Key management and cryptography
- Artificial ID generator
- Configurable mapping engine
- Logging manager
- Rich variety of protocol handlers such as HTTP(S), FTP-S, WebServices, SAP-RfC
- Reporting

Technology and implementation

PCI Compliance Engine is based on well-established, high-availability technology. Proven during various airline and alliance projects, high availability is provided 24/7 as a necessity to shield your applications and processes.

The engine is platform- as well as data-base-independent. It works with all common JDBC-compliant database systems. All you need is JVM 1.5 (Java Virtual Machine) installed on your platform.



Process principles of the PCI Compliance Engine



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CERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO
CERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO



CERTIFICATE

SRC Security Research & Consulting GmbH

hereby certifies that

PCI Compliance Engine (PCI CE)

Application Version 1.0
by Lufthansa Systems Passenger Services GmbH

has successfully completed an assessment following
Visa Europe Account Information Security (AIS)
Payment Application Best Practices (PABP) in October 2008.

According to the requirements of Visa Europe¹,
the PABP assessment is to be repeated until 2009-10-13.

Certificate-Register-No.: LSYPs-081013


Bonn, 14 October 2008

Our certification – your value

The engine is certified according to VISA's Payment Application Best Practices standard (PABP) and will undergo a yearly recurring recertification process. Our certificate of value is your benefit! The reference itself will speed up your airline's certification process significantly while keeping you certified sustainably. As a permanent member of the global PCI Security Standards Council, we look after your interests.

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