

Fraud Prevention



Fraud Prevention and Management

Skimming, Phishing, Identity theft, application Fraud, Account takeover, carding, CNP fraud, Bin attack etc. Fraud amounts to billions of losses and is major threat to agencies, OTAs, airlines and the travel industry in general. Airlines alone suffered a loss of \$1.48 billion worldwide in 2010. Charge backs and ADMS can go in thousands of euros per Booking and create substantial financial damages.

Ypsilon.Net AG connects payment services and fraud prevention system to all major GDS and airline CRS. Fraud management or payment validation can be directly related to a reservation system in order to act on the booking based on the fraud scoring or payment acceptance. Our automated fraud

prevention system is specifically designed for the travel industry as we believe that the information and process are completely different than for the regular retail sectors. The fraud pattern recognition can be adapted to the specific customer needs and markets. Rules can be precisely defined based on over 250 metrics as well as internal and external modules such as black and white lists, customer solvency information, Perseuss data, Ethoca alerts etc. Scoring results are presented graphically in the back office module and can be linked on request to GDS or CRS commands such as individual queuing, insertion of remarks or OSI, cancellation of booking, modification of segment status, removal of seating assignment for short term departure and more.

Main features

- ✓ The system can be deployed for Airlines, OTA or travel agencies. (direct access via PCC or OID)
- ✓ Bin range/card verification Number (CVN)
- ✓ IP geo location
- ✓ PNR routing analysis
- ✓ Emails profiling
- ✓ Dynamic blacklist & white list
- ✓ Device fingerprint
- ✓ Address normalization
- ✓ Velocity check / Pattern identification
- ✓ Ability to customize rules and strategy per agency, OTA, carrier or even by point of sale
- ✓ Cross referencing across platforms, establishing contact between distribution, suppliers and GDS to identify CPP (common point of purchase) or CPC (common point of compromise) more effectively.
- ✓ Powerful algorithm is updated daily to cope with changing fraud trends and evolutions
- ✓ Modifications of rules and Algorithm are immediately effective
- ✓ Ability to import individual fraud data into common blacklist per POS
- ✓ Reduce ADMs
- ✓ Reduce operating costs
- ✓ Reduce charge backs and revenue loss
- ✓ Reduce manual fraud verification
- ✓ Reduction of false positive rate
- ✓ Streamline agency /OTA/Carrier processes
- ✓ Easy to deploy and configure via GUI
- ✓ Full GDS /CRS interaction based on scoring (cancel, queue, OSI, RM, RC, suspend, VOID etc.)
- ✓ Visual fraud data and PNR mapping and reconciliation
- ✓ Post scoring automation and statistics

old	booked	proc	delta	filekey	sc	passenger	pax	ocr	route	dep	cntry	email	Fare	fop	seg	tp	
PAR	20Jan 11:34	20Jan 11:45	31 days	VEPI/9	45		2	EV	FRA-DIC	21Feb	DE, AU, EV, FR, FR		2338.64 €	1/1	4	RT	
BER	20Jan 10:42	20Jan 10:51	20 days	VELUT4	20		1	EV	ZRH-BKK	18Feb	CH, TH, CH, CH, CH		897.80 €	CA	6	RT	
BER	20Jan 09:35	20Jan 09:40	11 days	VEK7CW	20		1	EV	DUS-PEN	13Jan	DE, MY, NL, NL		883.95 €	PAYPAL	6	UN	
BER	20Jan 09:20	20Jan 09:33	0th	YCAPSP	80		1	EV	DUS-MAL	20Jan	DE, FLO, DE, DE, US		1103.47 €	CA	4	RT	
BER	20Jan 09:27	20Jan 09:32	14h	YD4SHD	40		1	EV	BKK-DUS	20Jan	TH, DE, DE, DE		708.90 €	1/1	2	OW	
ESS	20Jan 05:14	20Jan 05:25	-13 days	VEAUL2	20		1	EV	ORS-BKK	06Jan	DE, TH, DE, DE		852.70 €	CA	6	RT	
BER	18Jan 23:17	20Jan 01:48	13 days	Y9VABU	20		1	EV	TYL-AUH	03Feb	DE, AE, DE, DE, DE		539.79 €	DEBIT	3	RT	
BER	20Jan 00:17	20Jan 00:26	8 days	YD8HZE	0		1	EV	DUS-JNB	25Jan	DE, ZA, DE, DE		707.64 €	DEBIT	4	UN	
BER	19Jan 21:42	19Jan 22:06	7 days	YDEI4R	20		1	EV	MUC-DEL	20Jan	DE, FLO, DE, DE		1009.81 €	PAYPAL	4	RT	
BER	19Jan 21:11	19Jan 21:24	25 days	YDR848	20		2	EV	DUS-BKK	14Feb	DE, TH, DE, DE		1506.40 €		4	RT	
BER	20Jan 21:13	19Jan 21:18	21 days	YDEUJ1	20		1	EV	TYL-MEL	11Feb	DE, AU, DE, DE		1072.17 €	DEBIT	4	UN	
BER	19Jan 20:44	19Jan 20:51	30 days	YB3Z29	20		2	EV	DUS-AUH	20Feb	DE, AE, DE, DE, DE		1348.04 €	DEBIT	2	RT	
BER	20Jan 19:50	19Jan 19:56	23 days	YCTIUC	35		1	EV	TYL-MEL	13Feb	DE, AU, DE, DE, DE		979.55 €	DEBIT	2	OW	
BER	19Jan 19:20	19Jan 19:28	7 days	YD4H59	40		1	EV	TYL-BKK	27Jan	DE, TH, DE, DE, DE		791.22 €	DEBIT	4	UN	
NVC	19Jan 18:21	19Jan 18:32	29h	YCUW08	100		2	EV	TYL-NBO	21Jan	DE, HE, KE, US, US		1937.40 €	CA	2	OW	
NVC	19Jan 18:00	19Jan 18:11	0th	YCS000	100		2	EV	BKK-TKL	20Jan	TH, DE, KE, US, US		1331.24 €	CA	3	OW	
BER	19Jan 17:29	19Jan 17:32	9 days	YCOQV5Y	40		1	EV	TYL-BKK	30Jan	DE, TH, DE, DE		858.44 €	1/1	4	RT	
BER	19Jan 15:48	19Jan 15:53	5 days	YDMM3C	5		1	EV	DUS-AUH	25Jan	DE, AE, DE, DE, DE, DE		804.02 €	1/1	2	RT	
ZRH	19Jan 15:32	19Jan 15:35	22 days	YCP9LE	20		1	EV	DUS-HKT	11Feb	DE, TH, CH, DE, CH		620.38 €	1/1	2	OW	
BER	19Jan 14:21	19Jan 14:25	22 days	YDSI9Z	0		1	EV	DUS-AUH	10Feb	DE, AE, DE, DE, DE, DE		538.09 €	1/1	3	RT	
NVC	19Jan 13:22	19Jan 13:47	34 days	YCO285	55		2	EV	KWI-MUC	24Feb	KW, DE, KW, KW, AE		304.92 €	AN	4	RT	
BER	20Aug 08:31	19Jan 12:57	-143 days	DLTTHL	100		2	EV	BA	KH-LHR	30Aug	BK, BG, PK, UK		1363.22 €	DC	3	OW

Vertical Integration of IT Solutions for the Travel Industry

The travel industry requires more than ever fully integrated solutions as opposed to patchworks of hard to maintain incompatible software.

Ypsilon provides end-to-end IT solutions for the travel industry ranging from fare management, multi GDS B2B/B2C booking engines and XML API, lowcost carrier content, hotel and car engines, ticketing robots, mid-and backoffice systems, tour-operator modules, cache data in diverse formats (EDF/OTDS/CSV), PCI DSS solutions, fraud prevention systems and payment solutions.

Our goal is to provide our customers with a complete turnkey solution to meet their specific needs at a highly competitive price.

Fraud Prevention



Interaction can be generated in every Format and in all major Systems

- ✓ Remarks
- ✓ Confidential remarks
- ✓ OSI
- ✓ SSR
- ✓ VOID Ticket
- ✓ Suspend ticket
- ✓ Cancel
- ✓ Remove seating assignment
- ✓ Queue management based on scoring
- ✓ Automated email based on scoring

GDS

- ✓ Amadeus Altea
- ✓ SabreSonic
- ✓ FLX

CRS

- ✓ Navitaire
- ✓ Raddix
- ✓ NextRes
- ✓ AirKiosk
- ✓ CosmosEcho
- ✓ Radixx
- ✓ Avantik

The fraud prevention system is also available via XML API allowing diverse request types such as:

- ✓ Fraud Scoring
- ✓ Authorize
- ✓ Purchase
- ✓ Revert authorize
- ✓ Revert purchase
- ✓ Store payment data
- ✓ The XML API can be used independently from the automation and reconciliation platform

Complete statistics to fully monitor and control fraud evolution

FileKey YECWXP

Score: 100

Customer Details: Status: investigated. Customer name: [redacted]. Customer email: [redacted]. Customer phone: [redacted]. Passengers: 20Jan 09 14. Booking date: 20Jan 09 45. Departure date: 24Jan. Route: TXL-VIE. Booking amount: 162.21 EUR. Country constellation: DE AT. Fraud Score: 100.

Itinerary:

Order	Class	Carrier	Flight	Origin	Destination	Time	Stop
2	AB8202	E	24JAN	TXL	VIE	08:50	320
3	AB8203	E	25JAN	VIETXL	HK1	06:30	320

Passengers: 162.21€

Name	Fares	Taxes	Total
[redacted]	9.00 EUR	143.21 EUR	162.21 EUR

Address: [Marienstrasse 4], 10117 Berlin

