

### Monitoring & Anti-fraud.

### All-in-one world-class fraud prevention solution.

Through a single API have a centralised view of risk with premium fraud prevention tools, real-time intelligence, multi-level customisation on rule performance, alerts and dashboards. Providing you with everything you need to ensure maximum protection from fraud and generate positive performance.



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### Introduction

4Stops global compliance and risk management platform brings together global premium data sources in a single integration. Our in-depth knowledge of customer conversions within the market makes 4Stop a one-stop solution for future proofing your business for global compliance, KYC requirements, data science and anti-fraud protection.

We bring together trusted data and information, managed services, technology and expertise to create an unrivaled combination that will empower you to make well-informed decisions to confidently manage regulatory risk, while providing you with tools to make proactive decisions that will accelerate your business performance. The 4Stop platform has been developed with a full understanding of compliance needs — locally and globally, today and in the future.

Our team is fully dedicated to you and will work closely with you and your team to ensure accurate activation of any data sources and rules configuration for full compliance at every customer touch point. Along with providing you with tools to simplify your monitoring processes, streamline operations, reduce hargebacks and accelerate your performance.

#### WHAT WE'LL COVER

| Monitoring Customer / Transactions Solution | / | 3  |
|---|---|----|
| How It Works                                | / | 4  |
| Risk Rules Engine                           | / | 5  |
| Monitoring & Reporting Features             | / | 8  |
| KYC Solution                                | / | 14 |
| Verification / Authentication Data Sources  | / | 15 |
| KYC Data Source Country Coverage            | / | 18 |

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| Technical Team - <u>it@4stop.com</u>      |                                   |
| Sales Team - <u>sales@4stop.com</u>       | Riehler Straße 19                 |
| Accounting - <u>finance@4stop.com</u>     | Cologne, Germany, 50668           |



## **Real-time Intelligence.**

Fully integrated analytics with a wide range of KPI dashboards offering real-time auto-refreshed monitoring of registrations, declined rates, chargebacks and much more at both merchant and consumer level.

#### ENRICHED DATA FILTERS

Through our platforms enriched data filters you can apply rule configurations, database management or system action to a specific customer group or all, in real-time and in just a few clicks.

#### AUTOMATED RESPONSES

Our platform does the work for you. Set parameters to apply automated real-time system actions based on the outcome and risk scores of validations performed on your customers and their transactions.

#### ACCOUNT ASSOCIATION

Instantly identify shared accounts across unique and global networks through the use of rules, numerous attributes in full, fragments and timeframe intelligence.

#### **ONE-CLICK REVIEWS**

Smart case review toolkit for analytics that includes social profile check, 'sticky' decisions, KYC data vendor ondemand, shared operations team notes, data simulation analysis reports, file management and more.

#### MULTI-LAYERED MONITORING

See it all, from detailed customer profiles and transactional history, comprehensive rules output reports to case reviews with a wide range of data vendor responses.

#### TIME-FRAME INTELLIGENCE

Need a custom blocking, rule or system action parameter to be applied for a specific region and / or duration? No problem. Our platform gives you full customisation and control to do just that.

# How Our 4S Solution Works.

One-stop solution for monitoring customers and their transactions.



## **Powerful Rules Engine.**

Our 4S proprietary rules engine technology gives you everything you need to perform verifications and secure customers to protect your business and combat fraud.

|   |                         |                               |      | 2 / D 40xp × \ € → C Q • tmp://4xpp |                                   | and the descents        |                                       |                           |                     |                               | _                       |   |                         |   |                         | - e - e                      |   |   |         |                               |
|---|-------------------------|-------------------------------|------|-------------------------------------|-----------------------------------|-------------------------|---------------------------------------|---------------------------|---------------------|-------------------------------|-------------------------|---|-------------------------|---|-------------------------|------------------------------|---|---|---------|-------------------------------|
| Seeth   |                         |                               |      | 4STOP                               | Search                            |                         | gisconstruite vgodune/2105            | a                         |                     |                               |                         |   |                         | 1   | 4 · >                   |                              |   | E Search                                | ٩       |                               |
| edit Card Rules   | _                       |                               |      | The second second second            |                                   |                         |                                       | _                         |                     |                               |                         |   |                         | Lutte Home Durier                           |                         |                              |   | Parameters List                         |         |                               |
| Inable Credit Card  |                         |                               |      | Hello, Client ABC                   | Customer N                        | acgistratio             | tion Dynamic Risk Rul                 | Jes                       |                     |                               |                         |   |                         |   | Contractor              | Main Sters                   |   |   |         |                               |
| Description   | Rule Category           | Notification Lists            |      | Denteerd                            | Filters                           |                         |                                       |                           |                     |                               |                         |   |                         |   |                         | Demo<br>GLOBAL MAIN          |   | Showing 148 of UNIX terms.<br>Parameter |         | Friendly Nan                  |
| 1. 0 or more attempted transactions<br>FROM the same customer within 1.1.4 days   |                         |                               |      | Tanacien Overe                      | Name                              |                         | Fal Check                             | (Select Active)           | 4                   | (Select Rule C)               |                         | 8) (Select Evaluation)                        | 1 50                    | inh Egot                                    |                         | Arthodic<br>Credit Card      |   | with_count                              |         | Withdrawal Co.                |
| AND account age to less than 0 days.  | Continues 1             | (marcen + 1 percent)          |      | Curromer Queue                      | 4                                 |                         |                                       |                           |                     |                               |                         |   |                         |   |                         | eCheck<br>eWallet            |   | website                                 |         | Website                       |
| make successful deposits on the same IP<br>address within 1 ii 1.   | Multi-Accounting 1      | (married all the root)        |      | wreports 🔒                          | Operations +                      |                         |                                       |                           |                     |                               |                         |   |                         |   |                         | P Channels:<br>VISA MOTO USD |   | user,number                             |         | Userumber                     |
| 3. Customer has 0operative denied<br>CC attemps within 0bears. Account  |                         |                               |      | 💽 💽 Transaction 🛛 🗃                 |                                   | A                       |                                       |                           |                     |                               |                         |   |                         |   |                         |                              |   | une/une                                 |         | Usename                       |
| age less than 0 days and transaction<br>amount over 0 USD.  |                         |                               |      | 🖨 Consumer 📰                        | Showing \$48 of \$16 in           |                         |                                       |                           | _                   | -                             | _                       |   | _                       | _   | _                       |                              |   | ten, poerage, ticket                    |         | Tith Average To               |
| 4. The deposit - previous deposits within<br>0 bours is greater or equal to 0   |                         | (Instant) (Instant)           |      | 🕘 Merchant 🛛 🗐                      | 10 Merchant                       |                         |                                       |                           | Fail Co<br>Check Wi | Confidence Creat<br>Weight On |                         | eated Updated II<br>On By L                   | Email User<br>List List |   |                         |                              |   | tel, ettergiti, court                   |         | TON Altempts of Transaction M |
| Inours is greater or equal to 0 percentage of CC weekly limit and the sustainmer age is less than 0 days.                 |                         |                               |      | 🗧 🖻 Risk Analysica 🛛 🗎              | 2570 Bens                         | Customer<br>Profiling   | Inal Russes Renal, Learnson P         | email_careauand > 20      | 10 1                | ehs/<br>es/                   | 12/2016 admin<br>19:58  |   | -0.0                    |   |                         |                              |   | turi, i                                 |         | CA transaction of             |
| 5.0 ar more success transactions  |                         |                               |      | 🕒 Data Sources Unage 🏢              | 2575 Dama                         |                         | Email Reason, Remail L sampsond       |                           | 10 1                |                               |                         |   | -                       |   |                         |                              |   | tim, for                                |         | Time Hour                     |
| FIGM the same customer within 1 1 days,<br>WHERE accumulated volume is more than<br>deflars, HVD account age to less than |                         |                               |      | 👝 🖬 System Logs 🛛 🛞                 |                                   | Prationg                |                                       |                           |                     | 05.19                         | 12/2015 admin           |   | 100 100                 | •••   |                         |                              |   | ting                                    |         | Time                          |
| 0 days  |                         |                               |      | DATA MANAGINENT                     | 2576 Demo                         | Customar<br>Profiling   | Imal Basion Pernal, Lourascool        | anal, i, are good in '95' | 7 1                 | 6017<br>Q57                   | 12/2016 .admin<br>19.58 | £ 1   | (-c.#)                  |   |                         |                              |   | status                                  |         | Satur                         |
| 6. 2 or more customers attempt the<br>same credit card within [7:1] days, AND at  | Deposit Subariour 1     | (dimation) () (low the I      |      | A Manual Lookup B                   | 2577 Dama                         | Customer I<br>Profiling | Imal Busian Remail, Lansaurer         | # email_parament to "10"  | 6 1                 | 4 617                         | 12/2016 admin           | -   |                         |   |                         |                              |   | tor, validation_state_moved             |         | id into Son Vali              |
| levest 1 account is 110 days age or less.<br>7. Customer's curvent successful deposit                                     |                         |                               |      | Local Decabuse 🛛 🗃                  |                                   |                         |                                       |                           |                     |                               |                         |   |                         |   | 3                       |                              |   | son, sublation, joure, start, range     |         | tid terfu Son Val             |
| accumulates to 0 total volume within the last 0 D E and the account is less than 0 days age.                              |                         |                               |      | Betch Function     B                | 2578 Demo                         | Customer<br>Profiling   | Email Reason: Remail_Learnason#       | emal_l_sareasanid to "21" | 3 1                 | 0012<br>05.9                  | 12/2016 Jadmin<br>19:58 | <u>/ / / / / / / / / / / / / / / / / / / </u> | 41 41                   |   |                         |                              |   | ste, salidation, insue, and, range      |         | id Info Son Val               |
| 8. Customer's current successful deposit  |                         | design 1 percent              |      |                                     | 2579 Dama                         | Customer I              | Email Reason, Remail J. careaused     | / amal_(samaanid in 19    | 3 1                 | 1. 411                        | (2/2016 adma            | -   | Gen (14)                |   |                         |                              |   | 104                                     |         | 124                           |
| accumulates to 0 total volume within the last 0 0.0 0 and the account is less   |                         |                               |      | RUCES MANAGEMENT 0                  | <b>_</b>                          |                         |                                       |                           |                     |                               |                         |   |                         | a na sa | 3                       |                              |   |   |         | Seurce<br>Inj Infe Social S   |
| than () days age.<br>9. Customer's current successful deposit   |                         |                               |      |                                     | 2580 Demo                         | Customar 1<br>Profiling | Enail Reson Penal (careason)          | enal.) esessivid > 22     | 0 1                 | 65.9                          | 12/2016 admit           | A   | -0                      |   |                         |                              |   | social_security_number_result           |         | Geo-Check Shi                 |
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| than 3 days age.<br>10. Cuttomer uses 3   |                         |                               |      | Q- Scoreg Tresholds                 | 2582 Dame                         | 1000                    | Dral Baser, Renal, Lonson             | and Contention for the    |                     | 1.1                           |                         |   |                         |   |                         |                              |   | shipping_postal_code                    | 0       | Shipping Post                 |
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| per day in 0 ar more come allow days and the age to less than 0 courts.   |                         |                               |      | · Annan Barn                        |                                   | Commen                  | Tend Science, Bernill L Concerned     | and Lawrence Tr           |                     | -                             |                         |   |                         |   |                         |                              |   | shapping_Test_suma                      |         | Shipping First                |
| 12. Customer depositing the same amount in<br>0 or mere exceptors in a Hou AND the  |                         | (Institut) (I) (I) (Institut) |      |                                     |                                   |                         |                                       |                           |                     |                               |                         |   |                         |   |                         |                              |   | theprogramat                            |         | Shipping Diva                 |
| e-stance use is her three it.   |                         |                               |      |                                     |                                   |                         |                                       |                           |                     |                               |                         |   |                         |   |                         |                              |   | A                                       |         |                               |
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|   |                         |                               |      |                                     |                                   |                         |                                       |                           |                     |                               |                         |   |                         |   |                         |                              |   |   |         |                               |
|   |                         |                               |      |                                     |                                   |                         |                                       |                           |                     |                               |                         |   |                         |   |                         |                              |   |   |         |                               |
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|   |                         |                               |      |                                     |                                   |                         |                                       |                           |                     | 6                             |                         |   |                         |   |                         |                              |   |   |         |                               |
|   |                         |                               |      |                                     |                                   |                         |                                       |                           |                     | /                             |                         |   |                         |   |                         |                              |   |   | -       |                               |
| FRE   | E-FOF                   | RM / HAF                      | RD-C | ODED                                |                                   |                         | 3                                     | 800+ PRE-DETERMINED       |                     |                               |                         |   |                         |   |                         |                              |   | QUICK RE                                | FERENCE |                               |
| RULE SCRIPTING  |                         |                               |      |                                     |                                   | S WITI                  | ΗW                                    | IZA                       | RD                  |                               |                         | PARAME  | TERS LIST               |   |                         |                              |   |   |         |                               |
| Code a rule to your exact needs   |                         |                               |      |                                     | Quickly and easily activate rules |                         |                                       |                           |                     |                               |                         |   |                         |   | Customise and free-form |                              |   |   |         |                               |

Code a rule to your exact needs and parameters in our simple to use free-form rule creator. Quickly and easily activate rules from our rules library or use our template rules wizard. Customise and free-form a rule in minutes with our one-click parameters suite.

#### SMART RISK RULES ENGINE

- Import rule sets and legacy data
- Manual / adhoc lookup
- Database and keyword management
- Auto configuration settings
- Customized user permissions
- Association logic
- 800+ pre-designed rules wizard

- Immediate free-form rule scripting
- No black-box scoring full control of the weighting
- Real-time rule deployment
- Rules time-limited settings
- Blacklisting and whitelisting across multiple fields
- Behaviour and machine learning logic
- Data simulation analysis reports

### **Engine To Increase Revenue.**



#### CHARGEBACK REDUCTION

Integrating our KYC and compliance verification solution in conjunction with utilising our world-class anti-fraud tools and monitoring processes, our platform on average brings new clients a 75% reduction in chargebacks in their first four months.



# **Complete Rules Flexibility.**

A rules engine designed to give you exactly what you need.



#### **RULE CONFIGURATION**



## **Centralised Global View Of Risk.**

It has never been this simple, intuitive and smart to monitor your transaction and verification performance. Through our newly redesigned dashboard you have complete control as to what data you want to review and how you want to review it.

#### ADVANCED FILTERS

Effortlessly pull the data you want to review through our 'Main Filters'. Allowing you to filter by date, merchant(s), regions, payment methods or channels. Instantly save filter selections to one-click activate them for future uses.

1548

4.23

#### COMPREHENSIVE DATA

TAB 1 - Last 7 Days Dec 28, 2017 - Jan 3, 2018 -

Geo IP Traffic Mapping

23 HIGH RISK ALERTS TRIGGERED

n 482 136

896

Insland 321 291

Columbia 254 172

d States 837,209 🔵 U

Erance 376 109

Brazil 293 476

Spain 182.391

921 /1,460

Each widget pre-established has been designed with the best user experience for reviewing and digesting the data output per category and providing you with the right data overviews to improve reaction times.

4STOP

#### RISK ANALYSIS OVERVIEW

Quickly understand volumes in conjunction with risk indications and rules performance at all touchpoints in your customer journey and across the regions inwhich your business transacts on a global scale.

#### SIMPLE ON/OFF WIDGETS

Jan 3 2018 .

52.34%

108,231

0 24% - 133,953

0 7% - 175,813

0 69% - 519,068

Top Country Volume Increas

54,482

Simply turn on/off the reporting dashboard widgets you require. With the ability to move and position each widget on your dashboard in the grouping or heirarchy order you prefer to optimise your monitoring.

## **Detailed Reports and Profiling.**

Instantly see the whole picture through our monitoring and indepth reviews. Profiling at merchant level drilled down to sub-merchant, customer, region, group or type, with the ability to easily generate exportable reports customise to exactly the data you want for .



## Triage Traffic In Seconds.

With customised alerts and queue management





## 

Download much? Your time is valuable. We make it easy to just focus on the traffic worth reviewing.



#### AUTOMATED REJECTION

When it's bad, it's bad. Stop that order in its tracks instantly and protect the business from fraud.

#### AUTHENTICATION

Need extra confidence? Let the tool be your agent 24/7, from performing validations to managing ID uploads.

# Full Of Features. 100% Control.

Managing your merchants and/or sub-merchants transaction output and fraud prevention has never been this easy. We give you all the tools to configure your risk thresholds at every touchpoint set specific to each merchant, sub-merchant, group or type.



# Simple Database Management.

Giving you full control of data from merchant to customer level.





#### **GROW GLOBALLY WITH EASE**

Enter new markets around the globe quickly and with confidence. Create customer and whole market profiles and activate any verification required for the expansion in real-time.



#### IT INDEPENDENCE

Enjoy zero touch on your internal dev. resources. Whether you need to aggregate data, configure new risk rules, or monitoring support, our Data Scientists are available 24/7 to help.



#### ALWAYS BE IN THE KNOW

With a wide range of KPI dashboards with customised widgets to your needs, multi-layered filters for quick review and custom settings on alerts by merchant or sub-merchant.

## **Merchant Level Customisation.**

Have full control on configuration settings of monitoring parameters for each merchant. Have the full, complete picture with real-time intelligence to maximise performance.





### Add KYC To Your Anti-Fraud.

Through our single API you'll instantly access hundreds of global KYC data sources for premium coverage world-wide. Activate any required KYC for compliance and anti-fraud protection in real-time with the ability to maximise your cost savings on KYC performance through our real-time cascading verification logic. With 4Stop you have everything you need to enable leading-edge KYC with zero touch on your business.

#### ACCESS 400+ KYC DATA SOURCES

We've integrated and continue to add premium KYC data sources to create the largest selection of KYC services to obtain global KYC data for compliance.

#### KYC WATERFALL SAVINGS

Perform KYC starting with the lowest data source provider and tiering down to other data providers to obtain maximum verified customers in the most cost-effective manner possible.

#### INSTANT GLOBAL COMPLIANCE

Instantly activate required KYC data sources to support compliance today and when requirements update in the markets and regions you transact in.

#### DATA SIMULATION ANALYSIS

Easily create and review whole market profiles to expand into new markets, or adjust anti-fraud processes with absolute confidence provided through quantifiable data.

#### ADVANCED RULES ENGINE

800+ pre-designed rules, a simple rule configuration wizard, full control on rule weighing, and system action responses, and deploy in real-time.

#### **REAL-TIME MONITORING**

Integrated analytics with real-time auto-refreshed intelligence to easily monitor KYC data, with customised alerts, queue management, one-click reporting and much more.

# Be Compliant. Stay Compliant.

Instantly activate any of our KYC data sources in real-time for complete compliance at every customer touch point.

### **VERIFICATION & AUTHENTICATION SERVICES**

#### GEO CHECK (Global)

Validate the authenticity of your customers coordinates through our geo checker to provide you with ISP details, IP reputation, IP distance and proxy detection.

#### PHONE ID CHECK (Global)

Through our phone validator we'll check the number, the phone type and its carrier. In conjunction with the phone's accurate geo location and have accurate contact details.

#### BIN CHECK (Global)

We will validate the initial six digits of the credit, debit or a prepaid card of your customers, drilled down to bank name, bank country, card level and card type.

#### BANK ACCOUNT CHECK (USA)

Available for USA customers and their transactions and provides detailed ACH intel, bank information and a bank account status check to bring transactional confidence.

#### BREACHED EMAIL CHECK (Global)

At sign up and any account updates we check emails provided are not at a high risk of exposure and have not been compromised through any data breach.

#### CPF CHECK (Brazil)

Available for transactional validation of your Brazillian customers. Check the CPF database (the national tax registry in Brazil) down to their province level.

#### PHYSICAL ADDRESS CHECK (Global)

We quickly and accurately determine your customers address. Validating them at the median level postal address validation to the point of entry.

### COMPLIANCE WATCHLIST (Global)

Screen your customers on global sanctions databases including the FATF, OFAC, AML/CTF, PEP, RCA and SIP in real-time to reduce your exposure and risk.

### EMAIL VERIFICATION (Global)

Review email accounts in detail from type of email address, age of account, customer profile, domain intelligence and the emails reputation standing.

### ID VERIFICATION (USA)

Available for USA customers to verify their legal first and last name with associated address information on type and location with their date of birth match.

#### ID VERIFICATION (Germany)

Available for your German customers to verify their legal first and last name, to address information, date of birth match and their IBAN.

#### ID VERIFICATION ADVANCED (USA)

Available for USA customers to verify their legal first and last name with associated address, date of birth match, their SSN, knowledge based answers and reputation.

#### ID VERIFICATION (United Kingdom)

Available for all your UK customers to verify their legal first and last name, scanned down to address information including type and location.

### BVS VERIFICATION (Canada)

Run a soft credit check and profile data match to the Bureau Credit File that includes; name, address, phone, date of birth and optional SIN ID.

#### ID VERIFICATION (Brazil)

Available for your Brazillian customers to verify their CPF ID, address location to name association, date of birth, phone, relatives and their employment record.

### ID VERIFICATION (GLOBAL 4)

With cascading logic expand global match verification services on customers name to address, date of birth, phone, and gender across 172 countries.

#### **ID VERIFICATION GLOBAL**

Verifying your customers registered first and/or last name to address information, address type and length of residency. In conjunction with their date of birth, phone details and national ID for the following applicable (\*) countries.

| MEXICO *       |
|----------------|
| NETHERLANDS    |
| NEW ZEALAND    |
| NORWAY         |
| PERU           |
| POLAND         |
| PORTUGAL       |
| RUSSIA         |
| SINGAPORE      |
| SOUTH AFRICA   |
| SPAIN *        |
| SWEDEN *       |
| SWITZERLAND    |
| TURKEY *       |
| UNITED KINGDOM |
| UNITED STATES  |
| VENEZUELA      |
|                |
|                |

CONTACT SALES@4STOP.COM TO RECEIVE GLOBAL IDV COUNTRY COVERAGE.

### PHONE ID ADVANCED (USA and / or Canada)

Instantly retrieve Geo level information with detailed phone characteristics that are scanned down to owners name and address that is associated with the account.

#### DOCUMENT ID MANUAL (Global)

Validate government issued ID documents or utility bill statements for quality and formating, scrapped data, and reputation. Comes with easy upload facility and file management area.

#### PHONE ID ADVANCED 2 (USA)

Available to USA customers verify phone drilled down to name match on phone account, number validation, phone type, DNC flag and in-service indicator.

DOCUMENT ID OCR

Automatically Verify

documentation for quality

and formating, while also

reviewing documentation

for scrapped data. Comes

with easy upload facility

and file management area.

ID

(Global)

#### PHONE 4-PIN (Global)

Enable voice and SMS two-factor authentication to ensure you have a high degree of security on your transactions, resulting in a reduction in chargebacks.

#### DOCUMENT ID VIDEO (Global)

Review and Validate ID documentation in real-time through our interactive tool for the customer to upload their documents, along with a person capture to authenticate themselves.

#### KNOWLEDGE BASED ANSWERS (KBA) (USA)

Give customers personal protection, through setting a series of multiple choice questions they have the answers for, layered with historical profiles.

#### DEVICE ID (Global)

Bring further awareness of fraudsters through device hardware fingerprint, java based, and granular device details. Add device detail reputation data for extra authenticity of user.



like them to perform in the waterfall tier. Giving you full control to ensure the maximum cost efficiency.

### 4S Platform Global Coverage



### 4S Platform Global Coverage





### **Create Your Future-Proof Solution.**

We integrate into any new and legacy platform, and with a simple REST API you'll be up and running quickly and efficiently.

4Stop is dedicated to the success of your KYC, compliance, data and risk management processes. Our fully stacked document identification verification solution will streamline your customer on-boarding process and provide you with optimal KYC performance and enhanced protection for your risk exposure management. We look forward to a long-lasting and very successful business relationship. If you have further questions or want to discuss in more detail our 'optional' services and how they can compliment your solution offering and operations, please do not hesitate to contact us.

#### 4STOP TEAM CONTACT DETAILS

Support Team - <u>support@4stop.com</u> Technical Team - <u>it@4stop.com</u> Sales Team - <u>sales@4stop.com</u> Accounting - <u>finance@4stop.com</u> Call Germany +49.221.7894.7410 Fax North America +1.888.826.1832