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23 May 2019

Firco Live Services

Securing your screening policy and configuration

Screening Operations Controller (SOC)

Quentin Barthomeuf
Product Manager, Accuity



accuity.com

Fircosoft

Bankers
ALMANAC

Agenda

- What is Firco Live Services?
- What is Screening Operations Controller?
- Today's landscape
- Process presentation
- Demo
- Live Services solution suite: future state
- Q&A

What is Firco Live Services?

Visibility, command and control layer on the configuration across all screening hubs



Centralised process;
all-in-one tool for distributed teams involved



Secured process to ensure **file integrity**



Ability to **respond to live queries** from internal auditors or regulators



Streamlined process & resources based on risk and criticality



Monitor and propose recommendations to improve performance



Less manual tasks



More efficient testing capabilities

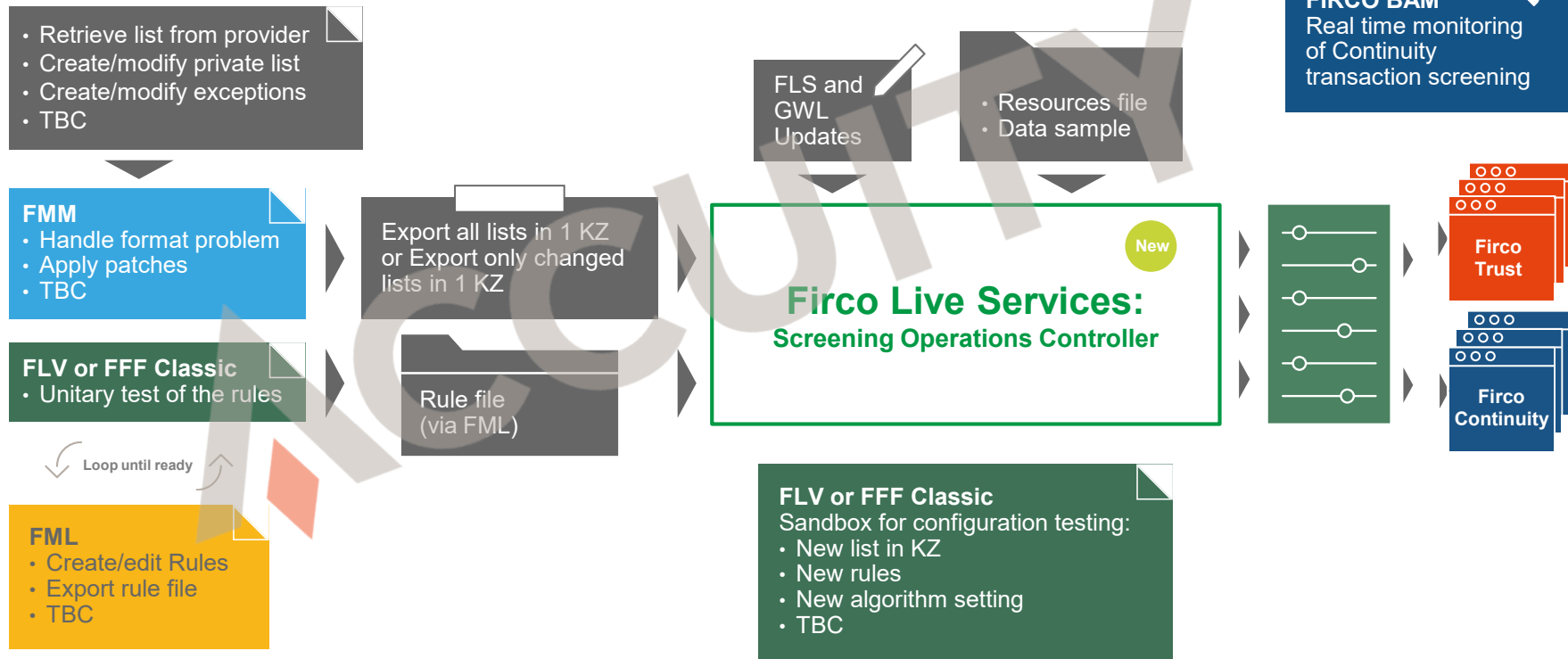
Live Services – Screening Operations Controller

- First module of a complete solution
- Fill the gap between Utilities and the filter

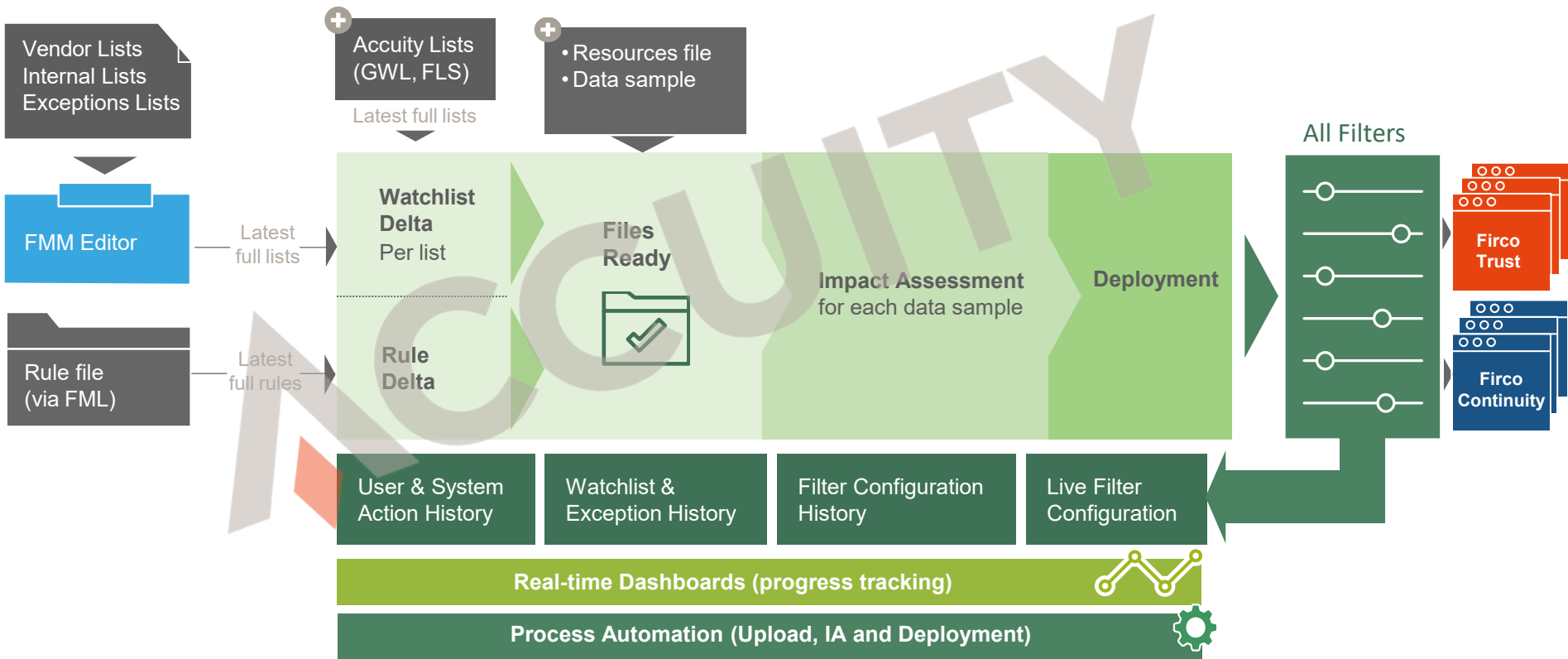
Single platform communicating to and from screening engines

- ✓ Centralize the filters configuration (Lists, exceptions, rules, resources file)
- ✓ Validate, test, and feed configuration and its changes
- ✓ Monitor screening in production
- ✓ Conduct forensic analysis

Firco Live Services - today's landscape



Process Presentation



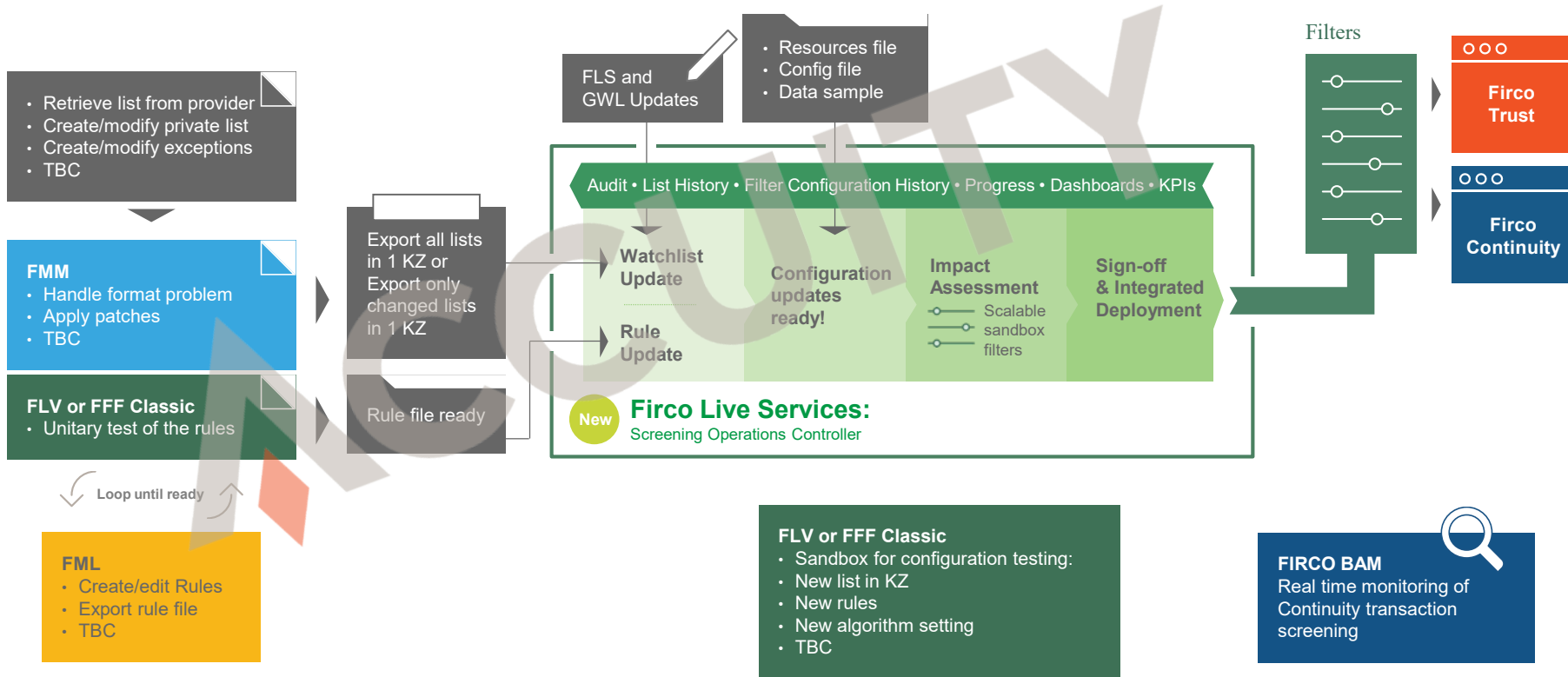
You may contact us for the Demo videos

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Firco Live Services Solution Suite

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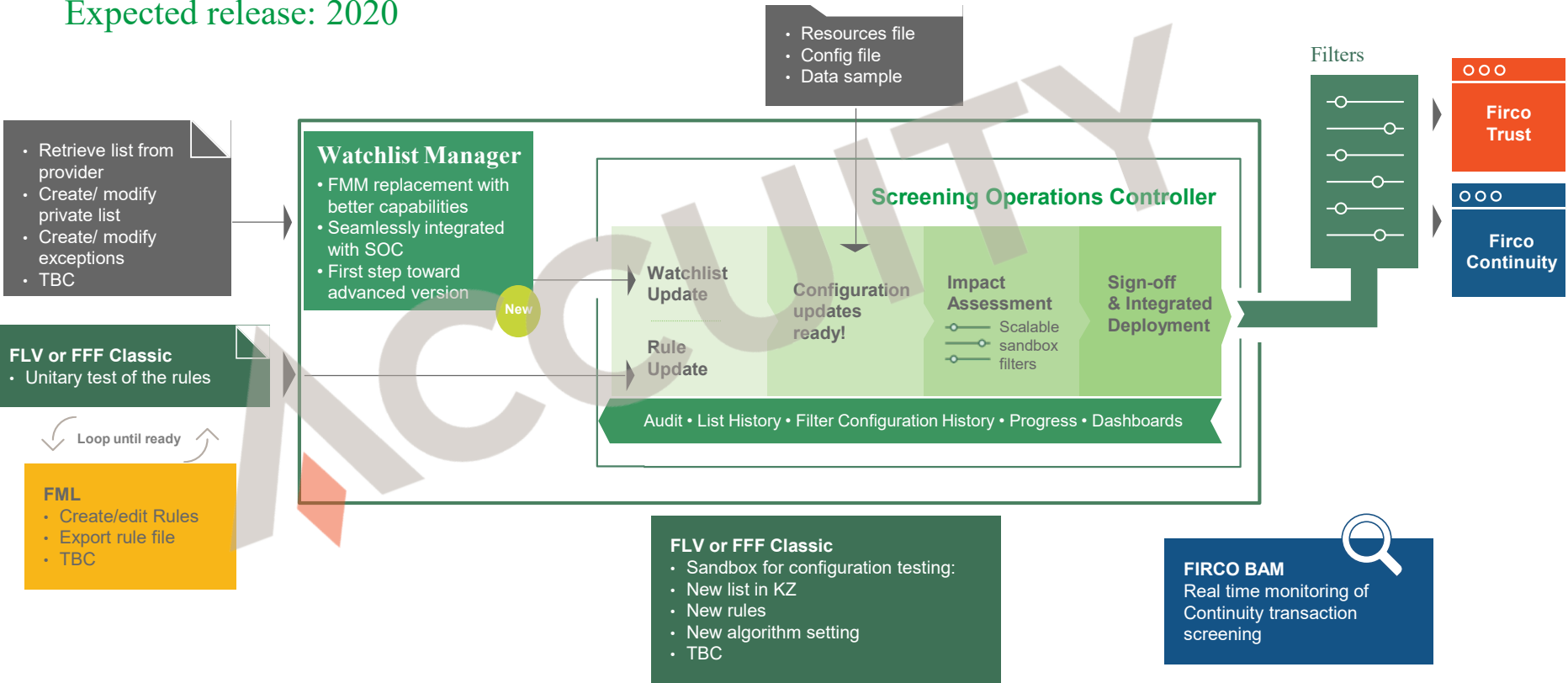
Live Services - today's landscape



New module: Watchlist Manager

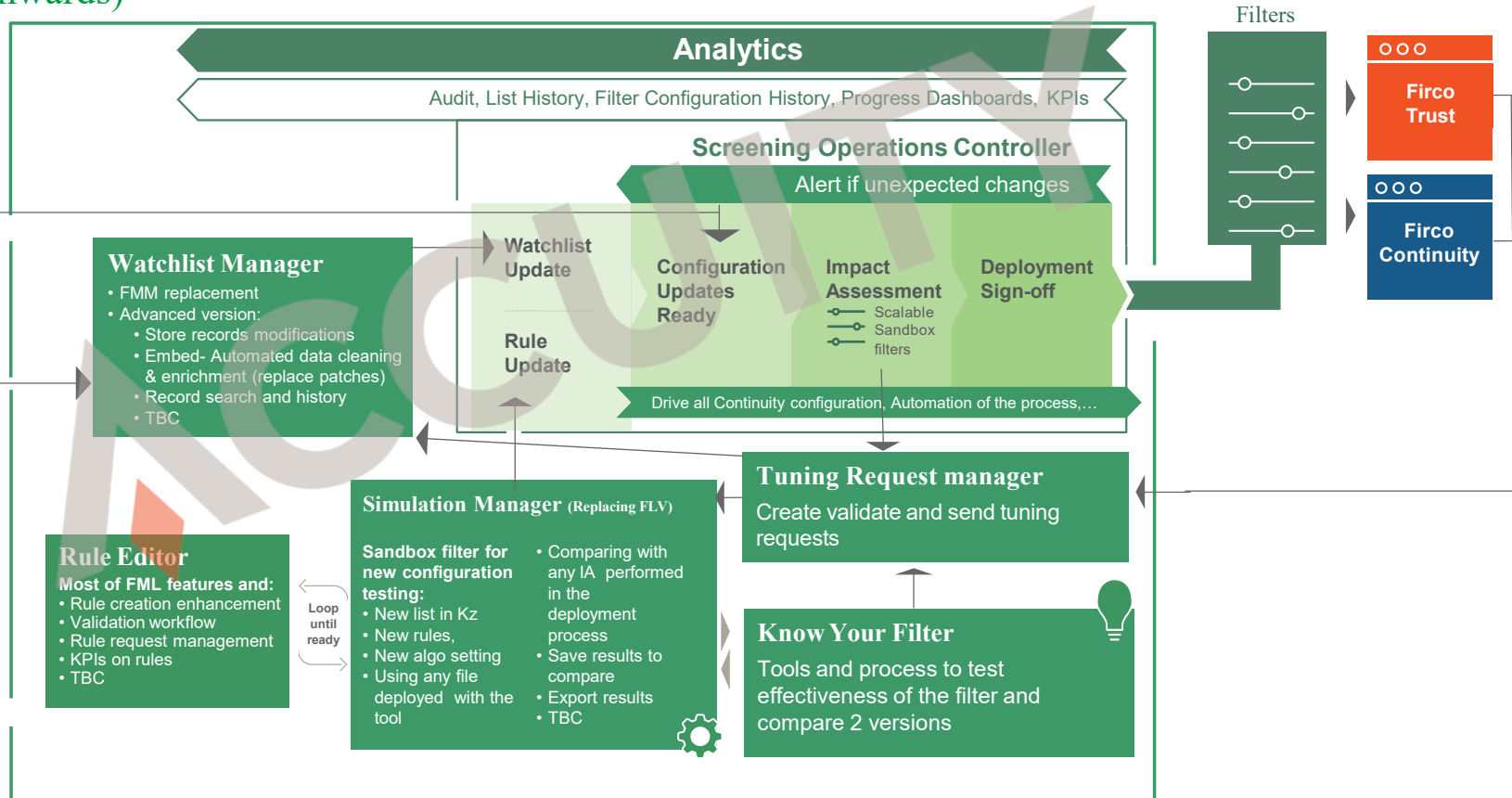
Expected release: 2020

With WLM release, we will announce FMM out of support



Firco Live Services further roadmap

(2021 onwards)

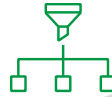


Summary: Unique benefits of Screening Operations Controller



Correspond to a critical need for

- Proof
- Control



Centralized management of the filter configuration, with confidentiality of data kept



Reduces risk :

- No more manual file handling to feed screening engines,
- Secured process with configurable rights, permissions and validation workflows to avoid any intervention



Ease the list management



Avoid cost of error in production
Replace internal cost to handle home made tools –
Mutualisation (eg. pool together/ mutual cost benefit)



Impact Assessment performance increased



Questions

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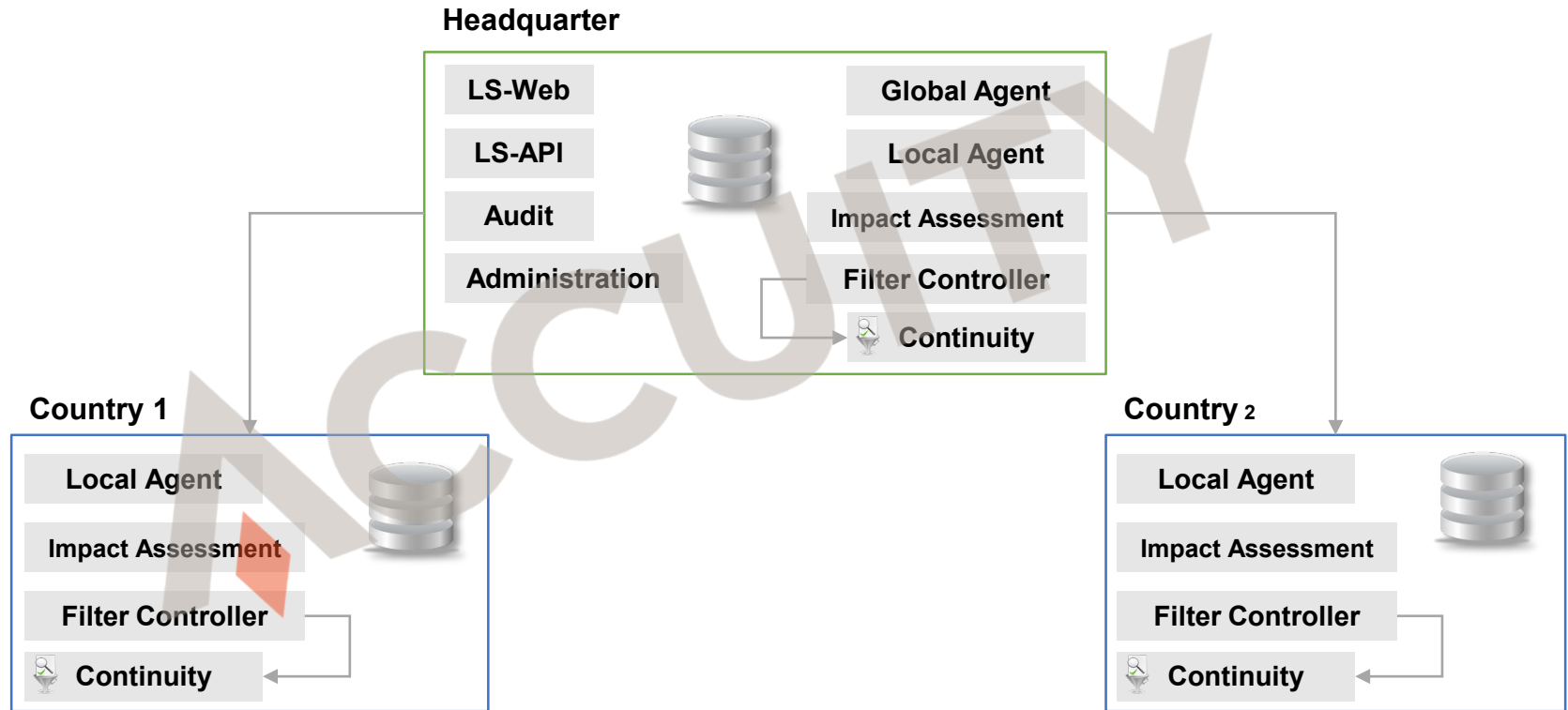
Thank you for your attention

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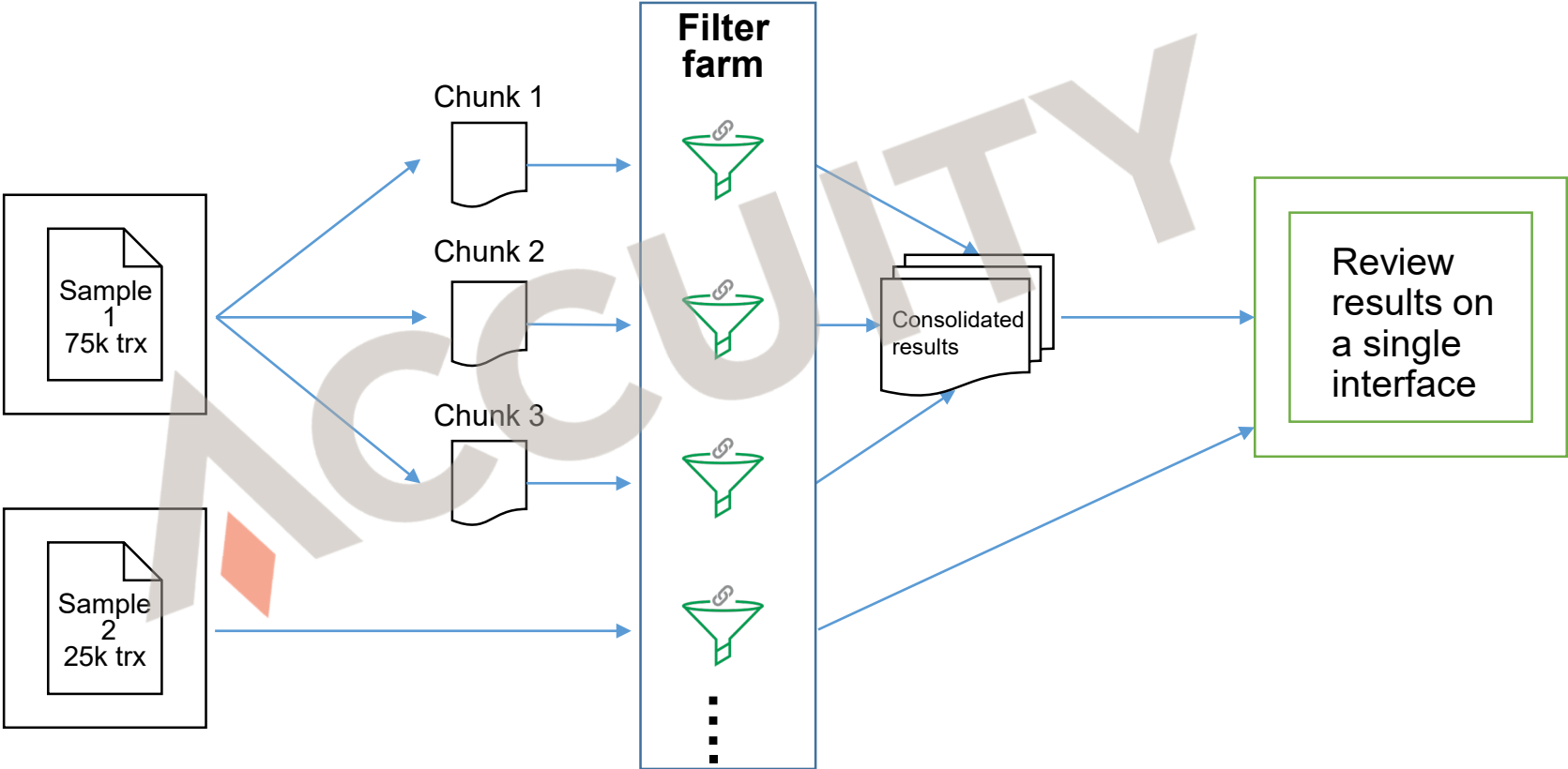
Appendix

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Hosting for global and local data



Scalable Impact Assessment



Performance – Test Results

- Context
 - 1M messages data samples
 - 5% of alert rate
 - 5.2 hits per alerted messages in average
 - Kz SWIFT FLS, No rules in the rule file

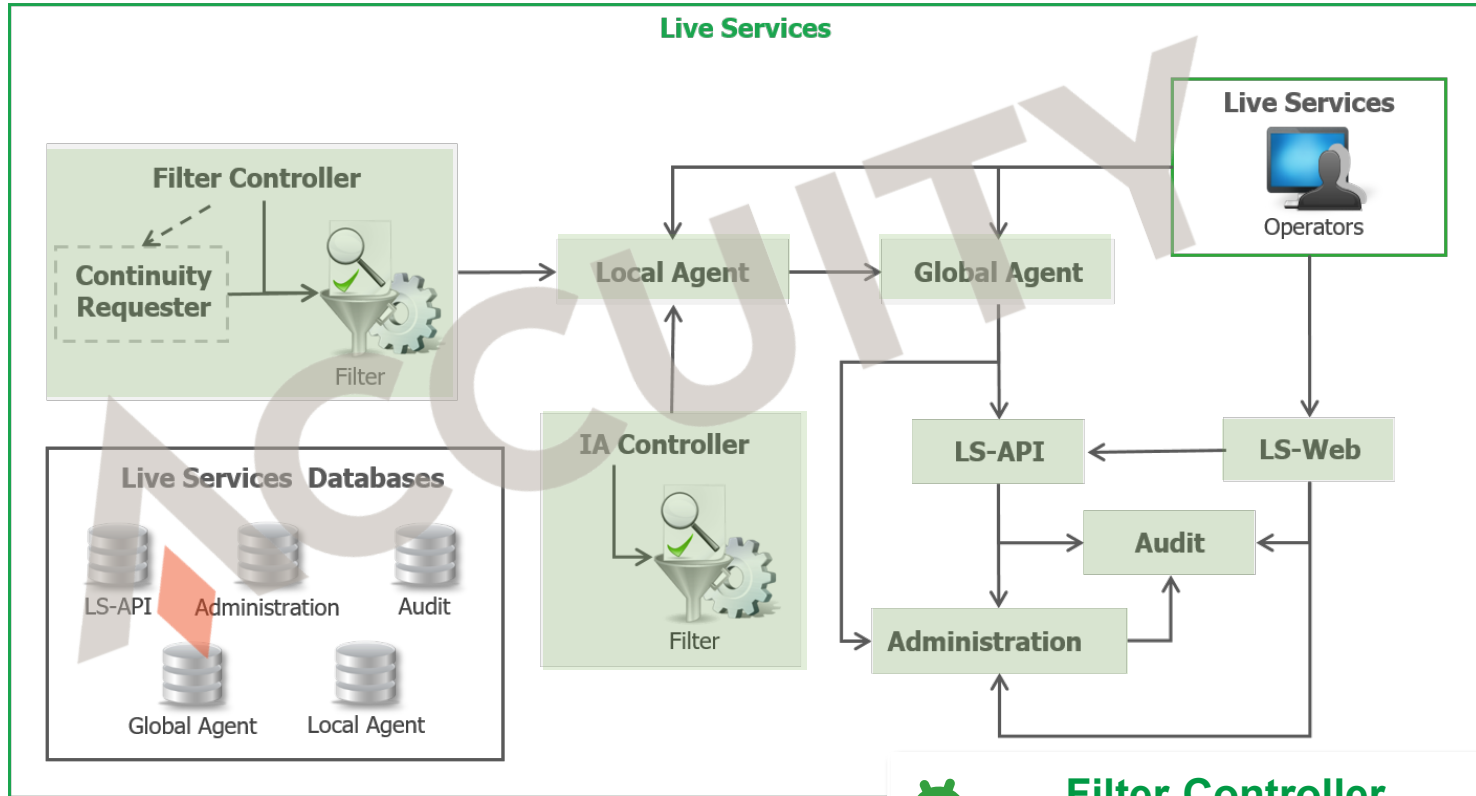
Data Sample Slice 10k transactions			Data Sample Slice 50k transactions			Data Sample Slice 100k transactions		
Transactions count	IA nodes count	Execution time (mm:ss)	Transactions count	IA nodes count	Execution time (mm:ss)	Transactions count	IA nodes count	Execution time (mm:ss)
1M	15	08:30	1M	15	08:10	1M	15	11:46
	10	11:34		10	10:08		10	11:46
	5	17:23		5	15:48		5	17:49
	3	35:31		3	26:50		3	29:47

Technical ground

- Installed on-premises
- Micro-service oriented
- SAML2 SSO
- Java 8 based with embedded Tomcat server

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Components interactions



Filter Controller

Apply screening context on live screening platforms

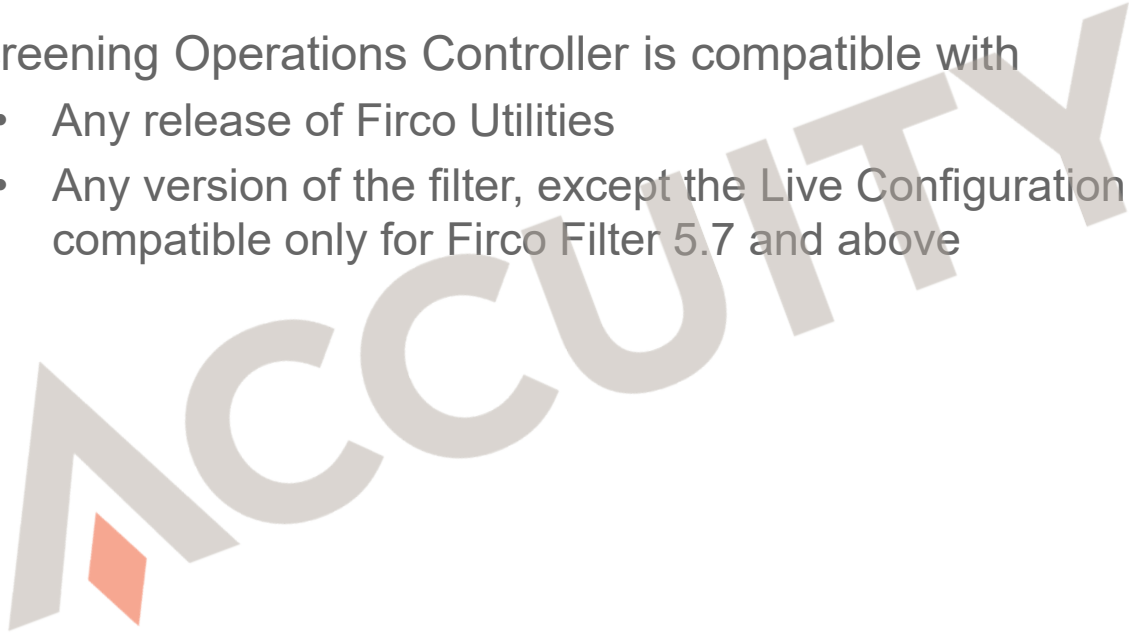
Security

Having multiple services implies having a way to secure service to service communication with a proper authorisation framework. We support two kind of authorisation:

- HTTPS with mutual authentication
 - Here we authorise a particular client to reach our endpoint at the HTTPS level
- OAuth2
 - Here we accept a wider range of client but require an access token
 - This token can be validated against our OAuth2 server

Compatibility with other Firco Products

- Screening Operations Controller is compatible with
 - Any release of Firco Utilities
 - Any version of the filter, except the Live Configuration feature which is compatible only for Firco Filter 5.7 and above



Prerequisites for a single instance

Software

- Linux RHEL7
- Java JRE 1.8
- Oracle 12c
- IE 11, Firefox 52ESR
- X509 certificate
- Support of AIX, Windows as OS and Sql Server as DB forecast to February 2019

Hardware

- 8 cores CPU
- 32GB RAM
- 100GB disk space
- 100GB database space

Implementation

- Workshop on Configuration
- Workshop on Roles and Permissions
- Customization of deployment scripts
- Scale Impact Assessment environment
- Phased approached
 - For entities
 - For lists/rules content