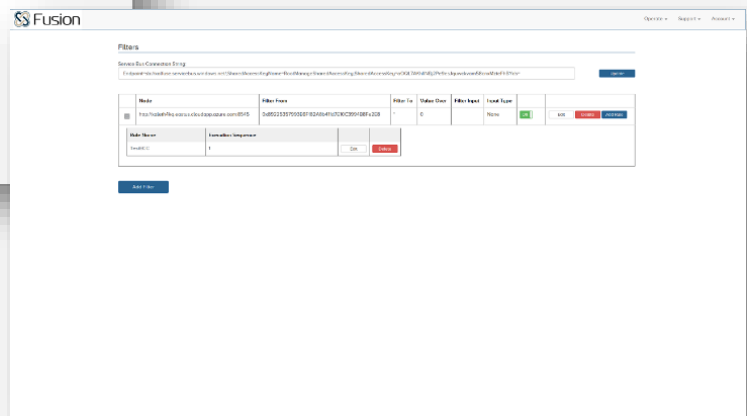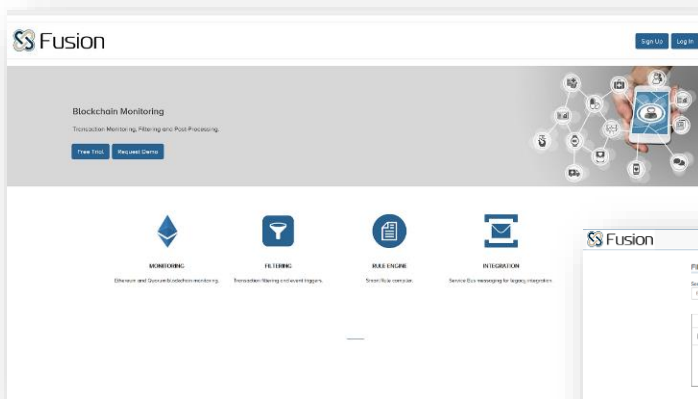# Xalentis

Fusion

Fusion is the only blockchain monitoring platform enabling seamless integration into legacy organizational systems.

Fusion delivers the link between Ethereum-based blockchains and organizational backend systems.

Hosted in Azure, the Fusion platform delivers a scalable and cost-effective bridge between Ethereum private and public networks for enabling transaction monitoring, filtering and post-processing using our powerful rules engine.

With our Smart Rules API, transactions can be efficiently filtered and notifications sent to a Service Bus integrated into your backend systems of choice, such as Microsoft Dynamics 365 for Finance and Operations.

Build codeless mobile apps using Microsoft PowerApps and store blockchain transactions in the Microsoft Common Data Service. Modernize your Trade & Logistics platform with Ethereum-based blockchain integration.

Key Features

- Easy to deploy and configure.
- Cloud or on-Premise with Azure.
- Service Bus Messaging.
- Microsoft Flow support.
- Unlimited Filters on multiple fields.
- Complex Smart Rules.
- Extensive function library.
- Advanced rule compiler.
- Event logging.
- Stored totals for off-blockchain accumulator support.
- Microsoft Common Data Service compatible.
- Microsoft PowerApps compatible.
- Blockchain Account Directory and Registry.

Blockchain integration just got a lot easier! Seamlessly integrate Ethereum blockchains into existing legacy systems including ERP, CRM and Trade & Logistics.
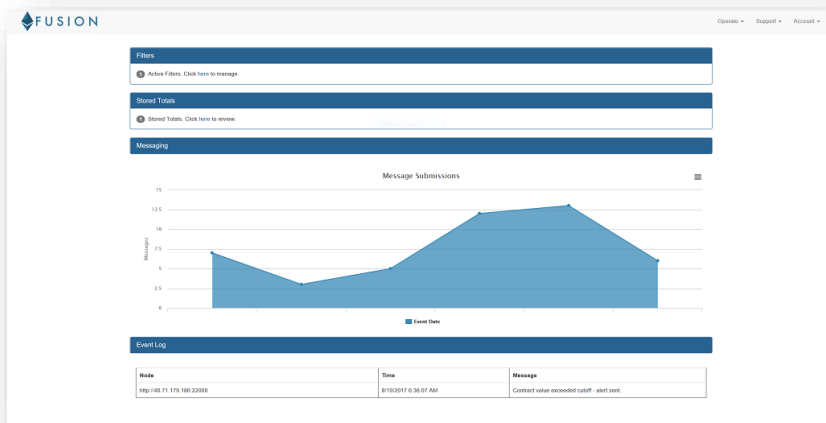
Highly configurable. Configuration is fast and easy. Unlimited transaction filtering with multiple sequenced rules per filter.

Rule Compiler. Fusion compiles transaction rules to machine code for fast processing. Extensive function library covering Accounts, Transactions, Numeric and Date/Time calculations.

Extensive functionality. Service Bus messaging and Microsoft Flow support enables Ethereum blockchains to fully integrate into your existing Microsoft technologies include PowerApps & Dynamics 365 for Finance and Operations.

Flexible. Fusion supports Ethereum Homestead, Ethereum Consortium and JP Morgan Quorum public and private networks. Smart Contracts are fully supported.

Workflow. Execute rules as transactions are mined into the blockchain. Take action via complex workflow processes to synchronize key transactional information back into your existing legacy systems.

Rule Editor

[Compile] [Save]

```
1  string abi="[{ 'constant':true,'inputs':[],'name':'storedData','outputs':[{'name':'','type':'uint256'}],{'constar
2  string addressFrom = Transaction.From();
3  number contractValue=Transaction.InputParameter(abi, "x");
4  Total.Add("Payments made",addressFrom, contractValue);
5
6  # send to ledger
7  SendMessage("myQueue","{'Account': '001-002-003-004','Value': " + contractValue + "}");
8
9  # calculate sales taxes and send to ledger
10 number salesTax = (contractValue * 0.10);
11 SendMessage("myQueue","{'Account': '001-002-003-555','Value': " + salesTax + "}");
```
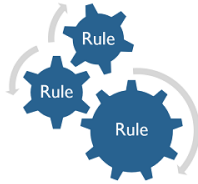
1 Transactions are committed to the Ethereum blockchain and distributed throughout the network.

2 Fusion runs committed transactions through a filtering process based on your requirements.

3 Filtered transactions fire any number of Smart Rules attached, and execute your custom logic.

4 Smart Rules can send out notifications to a Service Bus, via Email or run a Microsoft Flow process.

5 Transactions flow seamlessly into your enterprise systems such as Power BI and Dynamics 365.

Power BI   PowerApps   Microsoft Flow

Add Filter

Node URL

http://xaleth4kq.eastus.cloudapp.azure.com:8545

Sender Account

0x89225357993E6F182A8b411d7E10C3994B8Fe2E8

Recipient Account

*

Value Over

0

Input

None

Cancel   OK

New Part Orders

Search items

SN001ABC
0x89225357993e6f182a8b411d7e102

Submit Transaction

Node URL
http://40.71.179.186:22000

Sender Address
0x1932c48b2bf8102ba33b4a6b545c322

Sender Private Key
ba00b4a6b545c32236e342f343432432

Recipient Address
0x455343484a33b4e8b545c32236e342f

Value
55.8

Cancel   OK

Filters
Active Filters. Click here to manage.

Stored Totals
Stored Totals. Click here to review.

Messaging

Event Log

Node	Time	Message
http://40.71.179.186:22000	8/10/2017 8:38:07 AM	Contract value exceeded cutoff - alert sent.

Account Mapping

Address	Friendly Name	Last Updated
0x1932c48b2bf8102ba33b4o6b545c32236e342f34	Customer Account 100-200-300-400	10/9/2017 11:48:46 AM
0x43424324234324327663c0a387f02a9ed4b8a	Main Account	10/17/2017 7:48:39 AM
0x5e24bf433oee99227737663c0a387f02a9ed4b8a	GST Account	10/17/2017 7:48:08 AM

Add New

About Xalentis

Xalentis is a leading developer of transaction processing systems based in Brisbane, Australia. With decades of experience in building processing engines, compilers and ultra-optimized rule-engines, our intellectual property powers AML/KYC platforms, global payroll systems and Internet of Things (IOT) services.

Focused on providing Microsoft-based solutions, our systems support Azure, Microsoft Flow and PowerApps, Common Data Service and Dynamics 365 for Finance and Operations.

Xalentis prides itself on making the impossible a reality and commercially viable, with over a dozen products released and several patents covering our world-first technology inventions.

With Xalentis Fusion, we bring Ethereum-based blockchains into the enterprise using an open, scalable integration platform based on Service Bus Messaging.

www.xalentis.com