Foundry —For Crypto

Palantir

SOLUTION OVERVIEW

—WHITEPAPER

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Scale Globally —Comply Locally

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KEY OBJECTIVE

Comply with rapidly evolving regulatory proposals, rules, and guidance today — while scaling the business for tomorrow

SUMMARY

Cryptocurrency exchanges and other virtual asset service providers (VASPs) are facing increasing scrutiny across multiple regulators and jurisdictions. At the same time, these organizations are scaling customer onboarding (including KYC and sanctions screening), transaction monitoring, and asset listings.

Against this backdrop, VASPs contend with multiple siloed systems — internally and externally — often introducing unnecessary risk and errors into workflows.

Foundry for Crypto is a "central brain" that connects on-chain and off-chain systems, as well as diverse stakeholders, through action-centric workflows. Foundry for Crypto does not replace existing architectures. Rather, it orchestrates decisions over an integrated foundation of data and logic. The platform offers key workflows out of the box (operational in days), as well as composability for future use cases.

This paper outlines Foundry for Crypto's unique advantages, its out-of-the-box use cases, and the simple path to get started.

GETTING STARTED

Palantir pilots are designed to deliver value in 2 months and can be scoped in days

OUT-OF-THE-BOX USE CASES
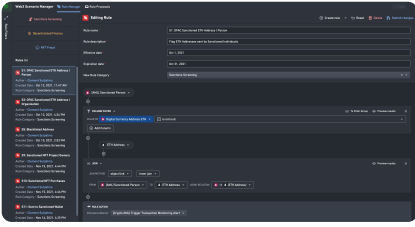
Platform Overview

FIGURE 01

Palantir Foundry for Crypto is designed for VASPs that need to move quickly and remain agile while ensuring compliance with global and local regulations.

Data shown above is open source blockchain data.

FOUNDRY FOR CRYPTO

Foundry for Crypto offers out-of-the-box, open, and configurable tooling to meet your compliance, alerting, and workflow management needs. This tooling is already used to solve highly complex screening, investigation, and transaction monitoring problems at some of the world's largest cryptocurrency exchanges, financial institutions, payment processors, and regulators.

Finally, unlike narrow point solutions, Foundry for Crypto enables growing enterprises to scale rapidly and securely by empowering internal teams to compose new solutions and workflows that address emerging needs.

KEY FOUNDRY ADVANTAGES	DESCRIPTION
Chain-Agnostic Compliance	Foundry for Crypto maintains a holistic compliance view as your product evolves to operate on disparate main-chains or scaling solutions. Our chain-agnostic data integration capabilities let you focus on compliance without worrying about cross-chain compatibility or data scale.
Ultra Scalable Source of Truth	The platform integrates key aspects of AML (e.g., KYC, sanctions, and transaction monitoring) to enable a single source of truth and secure collaboration across relevant teams and workflows. Foundry for Crypto leverages existing in-house assets within your compliance workflow to maximize your past investments.
Composability	Composable rules, alerts, and applications expand the solution design space and enable your teams to deliver new use cases independently to adapt to new growth and regulatory changes.
Security [+] Auditability	Foundry for Crypto provides end-to-end transparency and data lineage of all data in the platform, as well as a full audit trail of all rules, models, and investigations. The platform's underlying infrastructure, applications, and operations provide industry-leading security and have been developed to comply with rigorous legal and regulatory requirements, such as ISO 27001, GDPR, CCPA, and PCI-DSS.
Increased Efficiency	Foundry for Crypto is operational within days, helping you immediately reduce risk surface area and solidify your advantage. Once installed, Foundry can deliver increased efficacy and efficiency of alert dispensation, enabling both reduced false positives and improved investigative capabilities.

Use Case 1

Transaction Monitoring →

Low / no code implementation of risk models + rules

Custom + OOTB scenarios

Integration of compliance decision data with core product functionality

User-friendly investigation workflows

Foundry for Crypto's powerful rule engine enables rapid implementation of granular transaction monitoring rules and risk models in a low / no-code environment to ensure compliance against rapidly evolving regulations across disparate jurisdictions.

The solution uses a hybrid approach to monitor transactions — providing both out-of-the-box scenarios and models, and the ability to create new ones. Foundry for Crypto enables you not only to meet existing regulatory demands driven by your risk tolerance, but also to run scenarios to proactively assess the impact of upcoming regulations on your customer base.

With Foundry for Crypto, you can leverage compliance learnings to mitigate high-risk wallets transacting on your platform in real-time. To enable this, the platform integrates internal compliance decision data (blacklists, risk scores, etc.) with your core product functionality. Decentralized services can further leverage oracles to publish Foundry learnings through to the smart contract layer.

Novel forms of adverse behavior, like wash-trading and under-collateralized loans, may negatively impact your platform and user base. Foundry's suite of collaborative, no-code investigation tools — which have powered international counter-terrorism and anti-trafficking efforts — allow you to identify and protect against new forms of malicious behavior on your platform.

Use Case 2

KYC [+] Sanctions Screening →

360-degree customer view with exquisite dimensionality powers KYC

Intelligent alerting [+] case management accelerates onboarding

Enhanced sanctions screening of user wallets

Using Foundry for Crypto, you can conduct robust due diligence on wallet holders and any related individuals in their network. An integrated customer view of blockchain data, along with internal and external data sources, forms the basis for a detailed customer profile that drives KYC workflows.

The platform also provides robust alerting and workflow and case management to accelerate customer onboarding. The holistic customer profile automatically screens customers or actors integrated across sanctions, PEP, offshore leaks, and corporate registries to establish beneficial ownership. Customers are given a KYC risk score as part of the onboarding process and only those with significant or unknown risks are directed to analysts for review.

Finally, the platform performs enhanced sanctions screening that matches user wallets against sanctioned or blacklisted BTC, BCH, ETH, LTC, DASH, XVG, and ZEC addresses.

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Use Case 3

Investigations [+] Case Management →

Visual, cross-chain investigations

Workflow management [+] regulatory reporting

Foundry for Crypto includes a robust cross-chain investigations platform to enable non-technical analysts to quickly trace money movements and visually map the entire network of related wallets, transactions, and entities.

Case management functionality includes out-of-the-box assignment, workflow management, and regulatory reporting (including for SARs, CTRs, and annual risk reviews). As the connective tissue across existing tooling, Foundry for Crypto lets you easily manage a distributed team of analysts while helping to ensure compliance with local reporting requirements.

Use Case 4

Cryptocurrency Asset Intelligence →

Asset intelligence via KYC and third-party data integration

Real-time monitoring of ICOs, airdrops, and tokens

VASPs need a robust understanding of the key actors and events for the assets they are associated with.

Foundry for Crypto generates high-fidelity KYC and actor profiles based on integrated data. These profiles are then integrated with customer-selected third-party data feeds to provide transparency and vet critical stakeholders, such as founders and investors.

Beyond identification of key actors, the platform includes real-time monitoring of critical events such as ICOs, airdrops, and token sales to ensure that they are free of fraud and scams. Events such as an entity issuing new coins to its founders for unexpected reasons are flagged and can then be triaged and investigated in the platform.

FIGURE 02

A rich yet templatizable view of SushiSwap liquidity pool metrics, with the ability to drill down per liquidity provider activity.

Data shown here is open source blockchain data.

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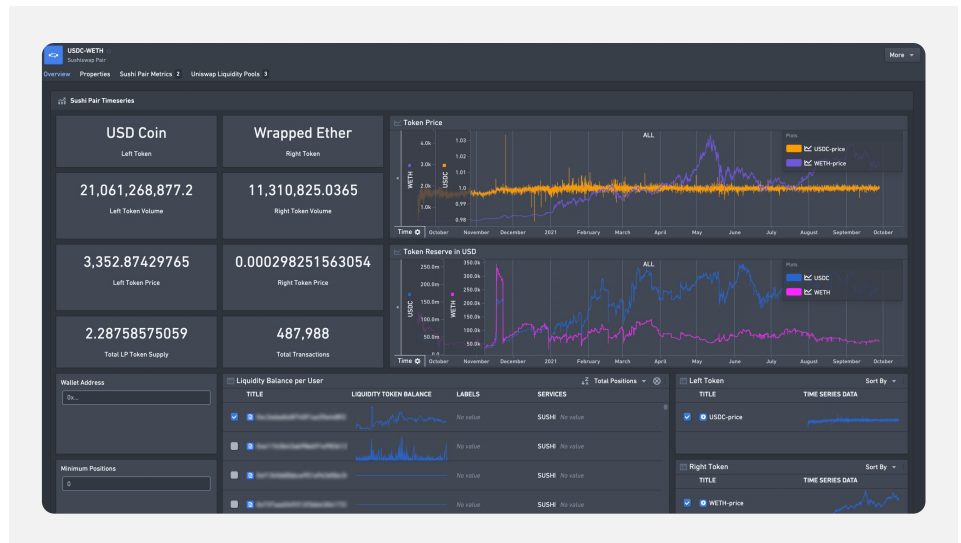
PILOT OVERVIEW

8 WEEKS TO PROVE VALUE

Foundry for Crypto is built for speed and flexibility. Our methodology and platform are designed to deliver value within a 2-month pilot while offering a foundation for continued growth and compliance.

Preparation

- Confirm data access, sign up environment, align on scope

Data Integration [+] Ontology

- Ingest data sources (relevant smart contract and mainchain data), configure data health checks
- Import, build and/or configure models (risk models, network analysis, and entity resolution)
- Import, build and/or configure scenarios

Analytics [+] Modeling

- Train analysts on platform (both AML investigators and analytics / data science users)
- Begin triggering and review of live cases
- Refine models and scenarios based on user feedback
- Customize user interface based on user feedback

Operationalization, Reporting [+] Next Steps

- Refine analytical and investigative workflows
- Jointly build go-forward plan. This plan will include recommended architecture, strategic planning of next use cases, and finalization of procurement process

FIGURE 03

Address Risk Inbox with a single pane of glass view into wallet activity across dApps and main-chains.

Built-in case management and granular access controls enable robust yet collaborative investigations between cross-functional teams.

Data shown here is open source blockchain data.