

Building the Next Generation of the Web3 Industry

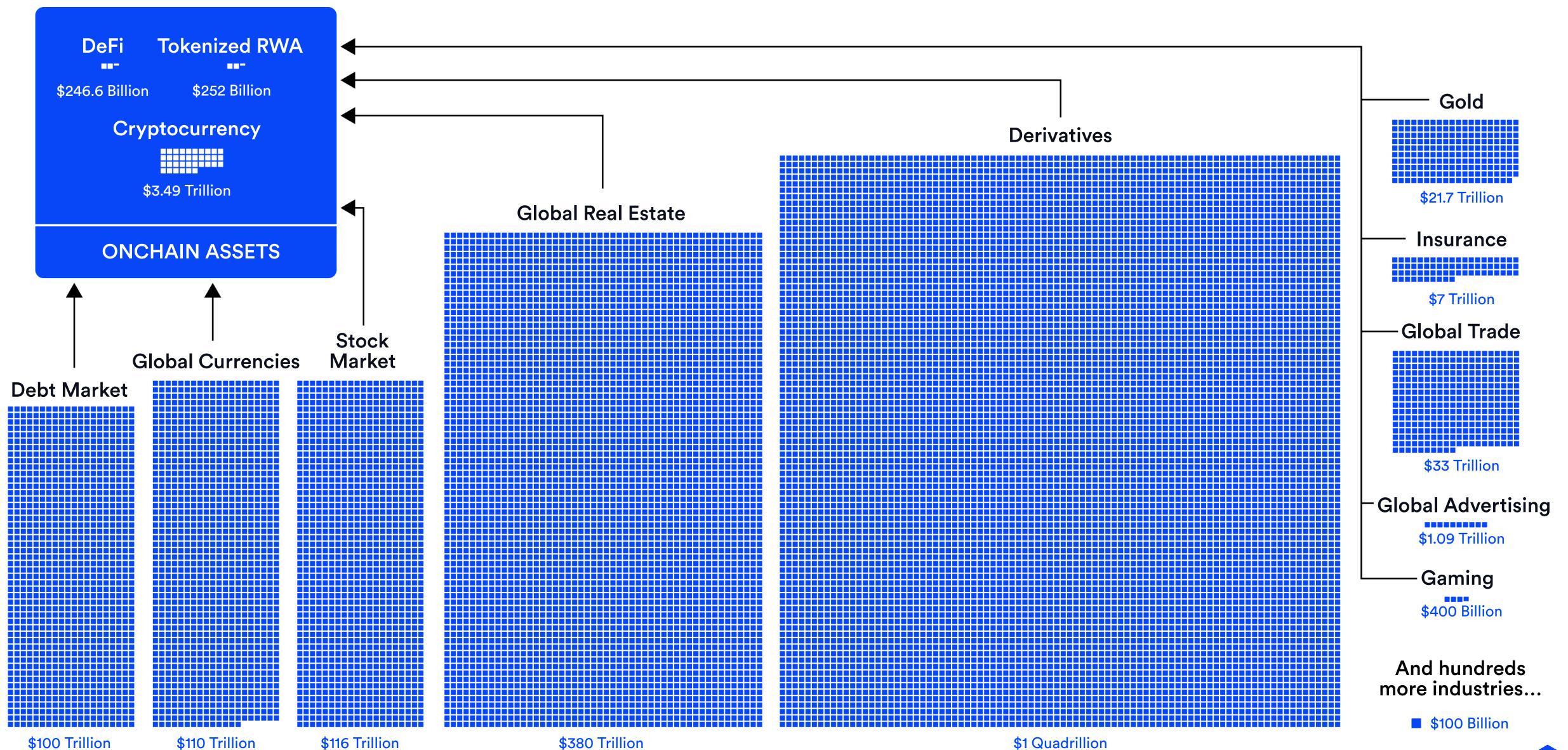
Consensus 2025

The Key Drivers of the Web3 Industry's Growth

- RWAs like stablecoins for payment and tokenized funds as assets will grow to define our industry
- Secure and reliable interoperability of data, chains, and identity are needed to make transactions work
- O Compliance through clear regulation is the last critical unlock for capital markets adoption

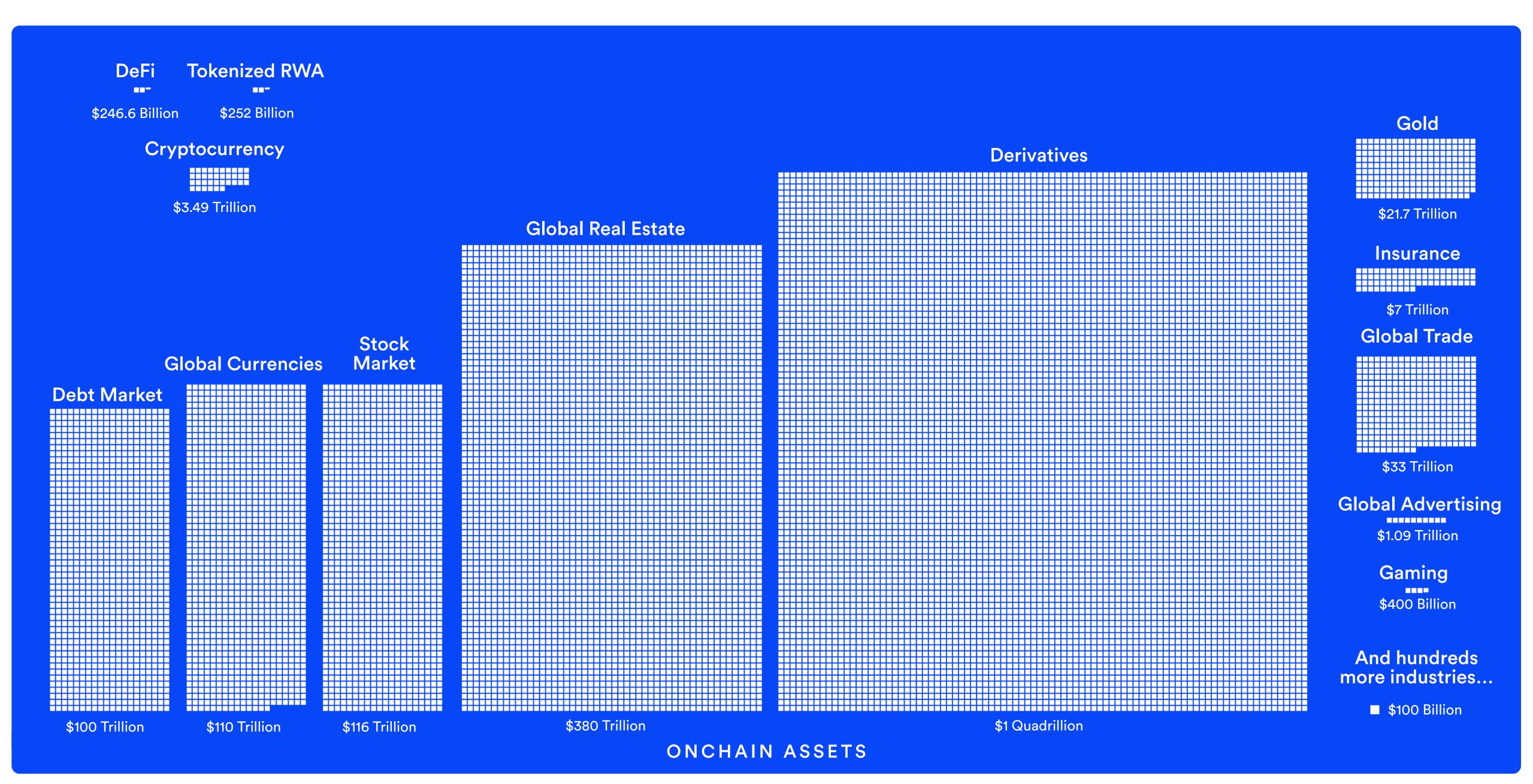


Real-World Asset Tokenization is the Future of Our Industry





The Market for Onchain Assets Is Hundreds of Trillions

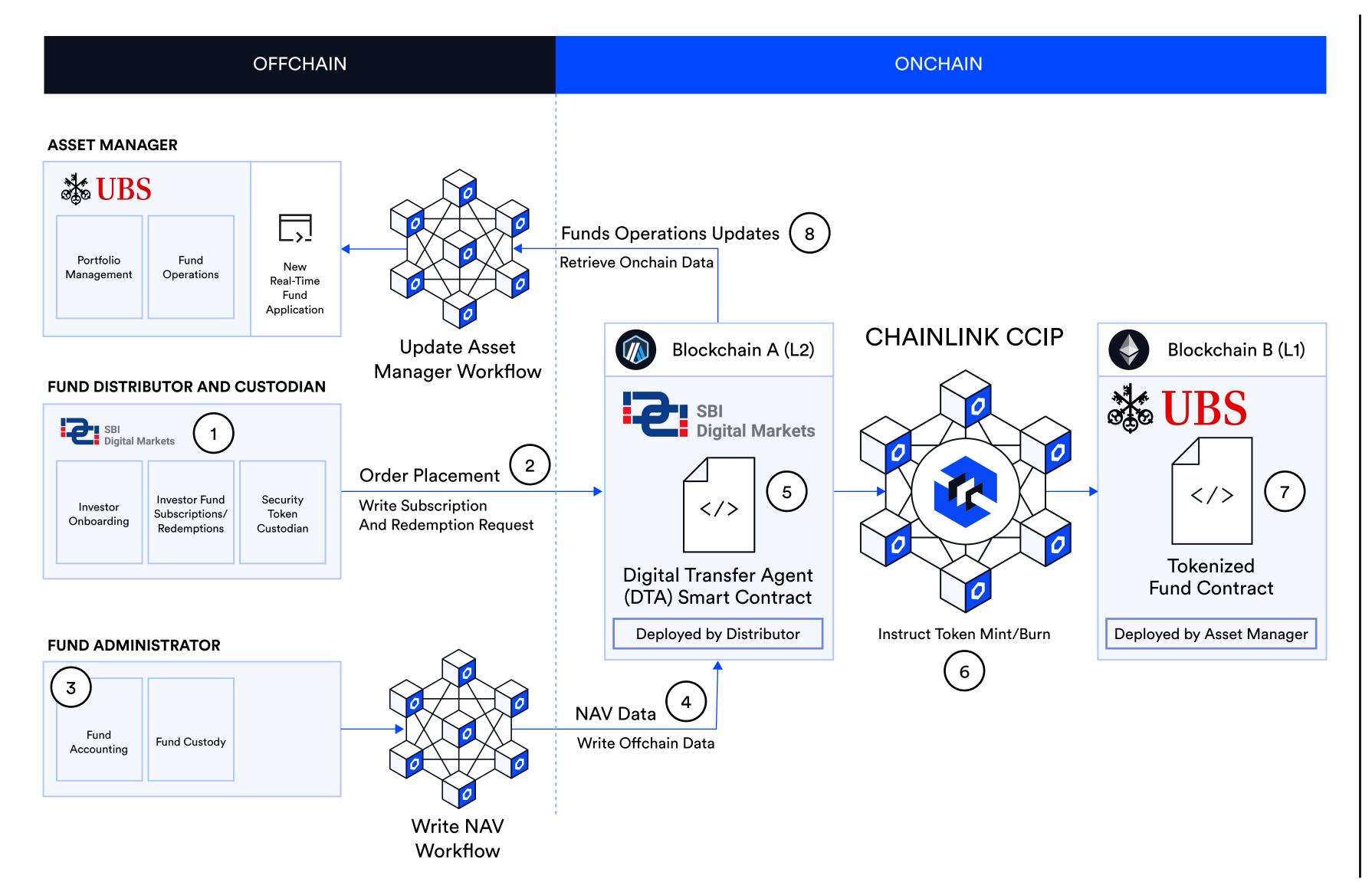


Compliant Capital is the Largest Driver of Future Growth

- Non-compliant retail capital can grow our industry to \$10 trillion+ through retail capital flows
- Compliant capital/institutions can grow our industry to \$100 trillion+ through institutional capital flows
- We need to solve how how compliant payments,
 compliant assets, and compliant transactions work



Enabling Next Generation Tokenized Funds for UBS and SBI

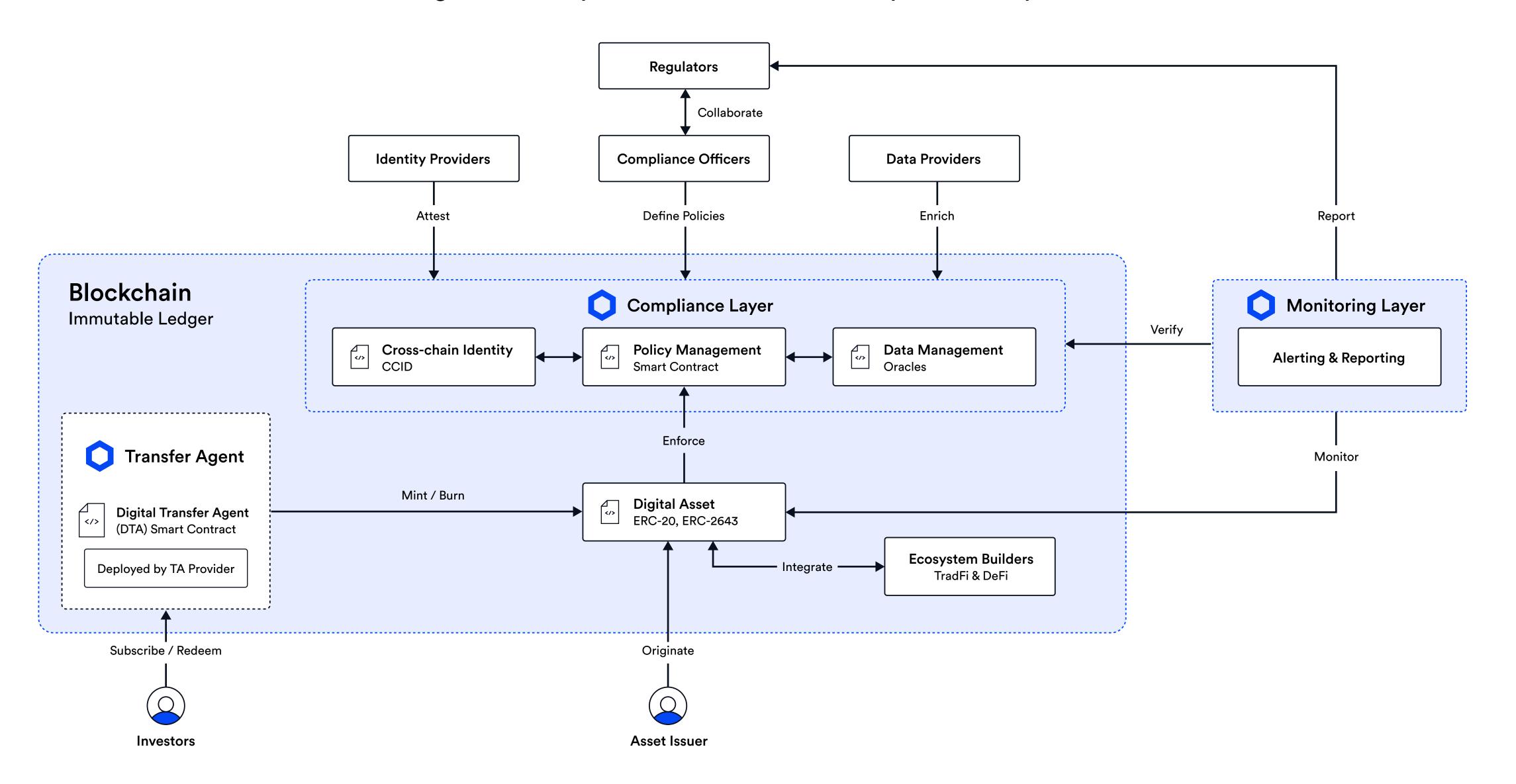


- Investors submit subscription or redemption orders for UBS's tokenized fund through SBI Digital
- Orders are sent to the Digital Transfer Agent Smart Contract and held in pending status
- Fund Administrator calculates and validates the fund's NAV for the dealing cycle
- Chainlink securely delivers the validated NAV data to the Digital Transfer Agent Smart Contract
- Digital Transfer Agent (DTA) smart contract calculates required token amounts based on NAV and updates order status inside of smart contract
- Digital Transfer Agent (DTA) uses Chainlink CCIP to trigger validated minting/burning by the tokenized fund contract, possibly across various chains
- Fund Contract mint/burns tokens and SBI Digital Market allocates shares to investors in backend
- Throughout the entire process, UBS maintains complete visibility of all fund operations through Chainlink's oracle network, which provides realtime data flows between their traditional systems and the blockchain-based Digital Transfer Agent enabling seamless integration of this new tokenized fund service into their existing infrastructure



Automated Policy Enforcement

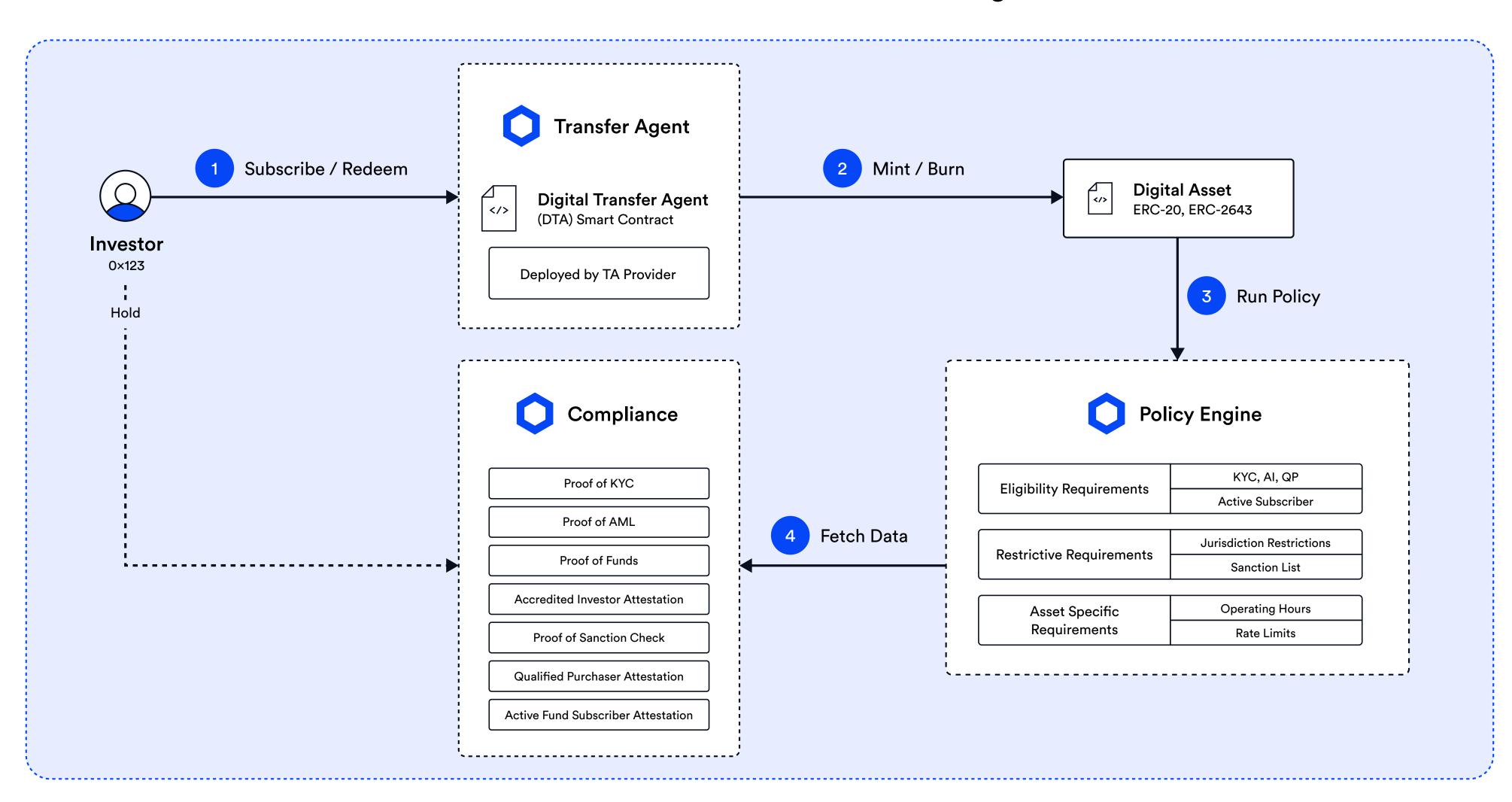
Ensuring onchain operations adhere to compliance requirements.





Policy Management Engine

Facilitates rules definition and automated enforcement, resulting in accelerated external investor onboarding onchain.





Many Digital Assets Bought in Various Forms of Payment

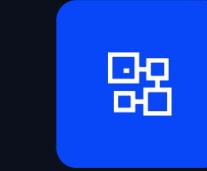
- Assets are necessary to grow the inventory of what can be bought/transacted against via payments
- Payment solutions are needed to provide access to frictionless purchasing of assets by users/liquidity
- Compliant assets and payments interacting with each other onchain requires lots of orchestration





Chainlink Runtime Environment (CRE)

A secure, compliance-focused, reliable infrastructure for building and running financial applications.



Abstracts Blockchain Complexity



Dramatically Accelerates Web3 Applications

Development and Integration



Provides enterprise-Grade Orchestration of financial workflows across Web2 and Web3 platforms



Enables financial institutions to integrate new capabilities and workflows without disrupting legacy infrastructure and processes



Modularity by design



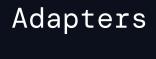
CRE Components and Capabilities

Capabilities



CRON Trigger
Chain Reader
Compute
Chain Writer
etc...

Can interact to any chain CRE is integrated with







Swift/ISO



FIX



DTCC



etc...



Foundational Smart Contracts





DvP Coordinator



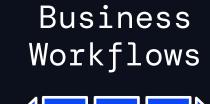
DTA Manager



Feed Proxy



etc..







Blueprints



Workflow Engine



(Pre-Built) Composable Business Workflows



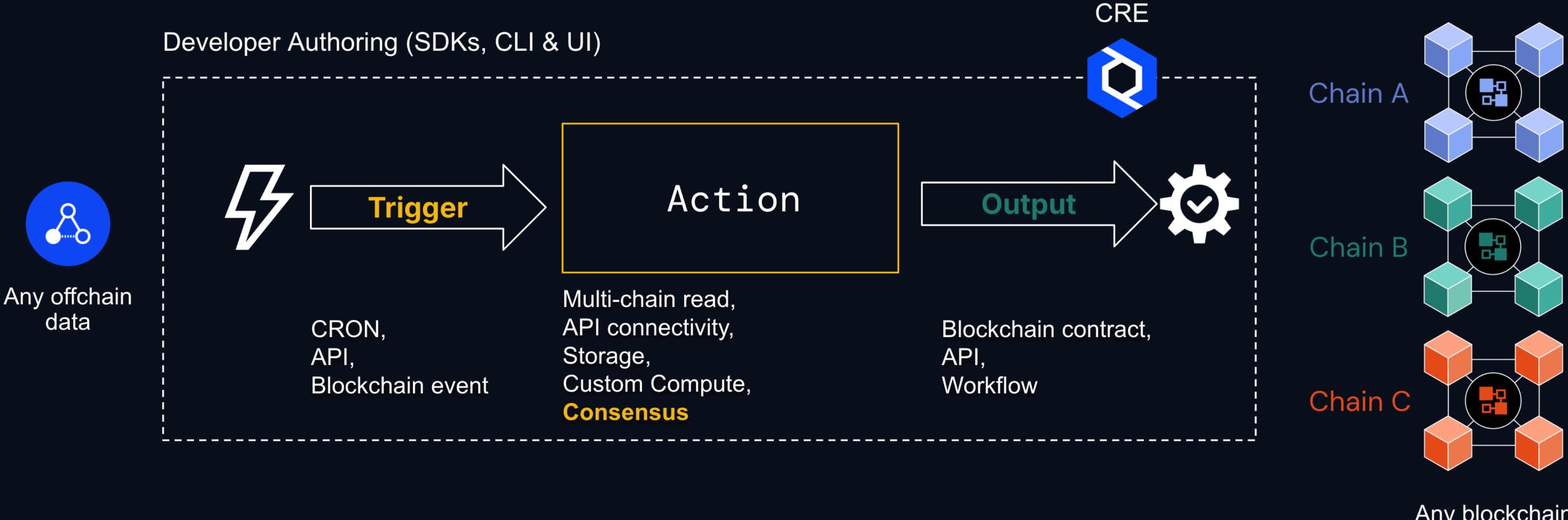
How to use CRE

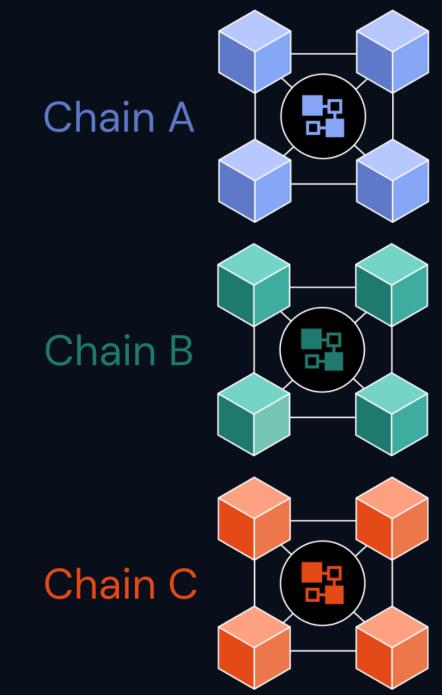
Use Capability SDKs to write Workflows





Seamless Programmability and Scalability Across All Blockchains

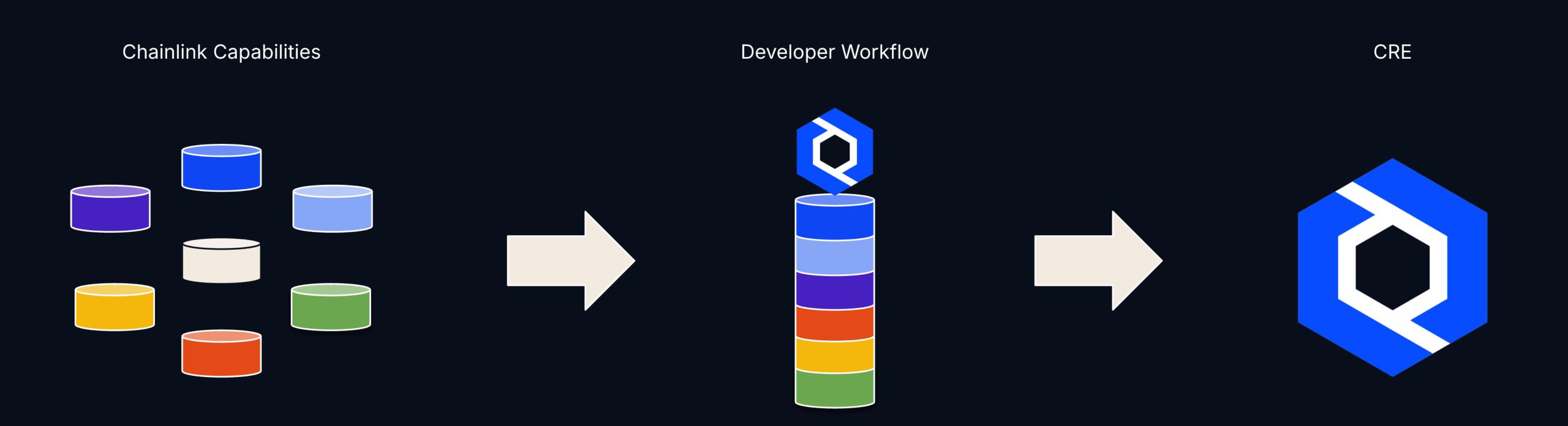




Any blockchain



Custom "Workflows" address unique challenge





Example: Cross-Chain Liquidity Balancer





Example workflow in GO

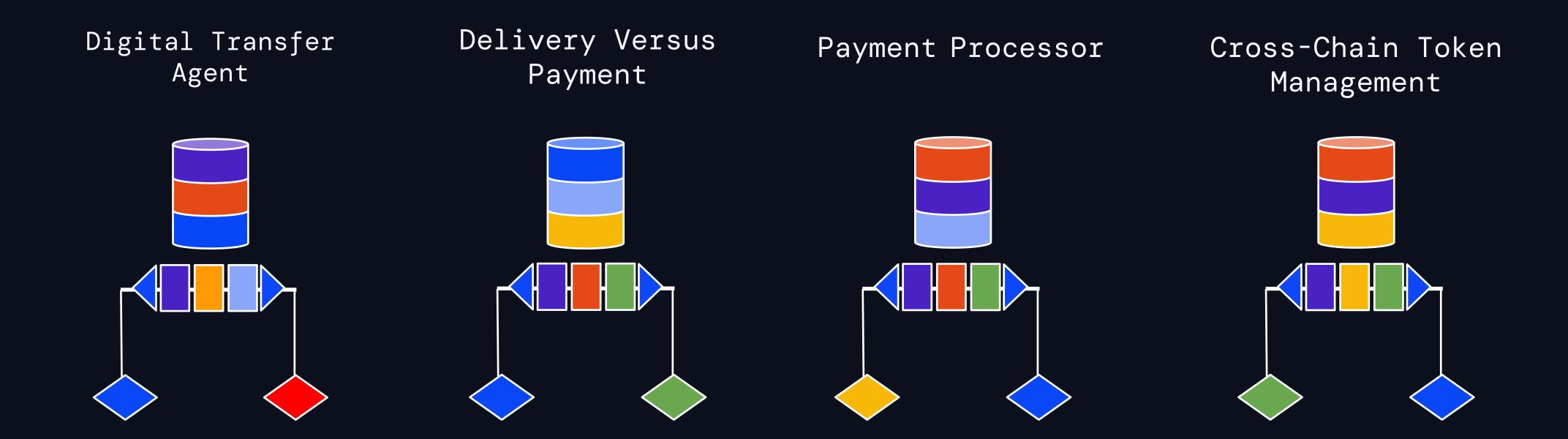
```
func BuildWorkflow(config []byte) *sdk.WorkflowSpecFactory {
                                 workflow := sdk.NewWorkflowSpecFactory()
                                 cron := croncap.Config{
   CRON
                                     Schedule: "*/30 * * * * * *", // Every 30 seconds
                                  }.New(workflow)
Trigger
                                  compConf := computeConfig{
                                     FeedID: "
                                  compute := sdk.Compute1WithConfig(
                                     workflow,
                                     &sdk.ComputeConfig[computeConfig]{Config: compConf},
                                     sdk.Compute1Inputs[croncap.Payload]{Arg0: cron},
                                     func(runtime sdk.Runtime, config computeConfig, outputs croncap.Payload) (computeOutput, error) {
Compute
                                         feedID, err := convertFeedIDtoBytes(config.FeedID)
                                         if err != nil {
                                            return computeOutput{}, fmt.Errorf("cannot convert feedID to bytes : %w : %b", err, feedID)
                                        TimeoutMs: 5000,
                                         if err != nil {
                                            return computeOutput{}, err
                                        var resp trueUSDResponse
                                        err = json.Unmarshal(fresp.Body, &resp)
                                        if err != nil {
                                            return computeOutput{}, err
                                        if resp.Ripcord {
                                            err := runtime.Emitter().With(
                                               "feedID", config.FeedID,
                                             ).Emit(fmt.Sprintf("ripcord flag set for feed ID %s", config.FeedID))
                                                runtime.Logger().Error("failed to emit custom message")
                                            return computeOutput{}, sdk.BreakErr
                                         return computeOutput{
                                            Price: int(resp.TotalTrust * 100),
                                            FeedID: feedID, // TrueUSD
                                            Timestamp: resp.UpdatedAt.Unix(),
```

```
consensusInput := ocr3cap.ReduceConsensusInput[computeOutput]{
   Observation: compute.Value(),
                                                                        Multi-variab
consensus := ocr3cap.ReduceConsensusConfig[computeOutput]{
   Encoder: ocr3cap.EncoderEVM,
   EncoderConfig: map[string]any{
                                                                        le consensus
       "abi": "(bytes32 FeedID, uint32 Timestamp, bytes Bundle)[] Reports",
       "subabi": map[string]string{
           "Reports.Bundle": "uint224 Price",
   ReportID: "0001",
   KeyID: "evm",
   AggregationConfig: aggregators.ReduceAggConfig{
       Fields: []aggregators.AggregationField{
              InputKey: "FeedID",
              OutputKey: "FeedID",
              Method: "mode",
              InputKey:
                               "Timestamp",
                               "Timestamp",
              OutputKey:
                               "median",
              DeviationString: "300",
              DeviationType: "absolute",
                               "Price",
              InputKey:
              OutputKey:
                               "Price",
                               "median",
              Method:
              DeviationString: "1",
              DeviationType: "percent",
              SubMapField:
                                true,
       ReportFormat: aggregators.REPORT_FORMAT_ARRAY,
       SubMapKey: "Bundle",
}.New(workflow, "consensus", consensusInput)
targetInput := chainwriter.TargetInput{
   SignedReport: consensus,
                                                                      Chain Writer
chainwriter.TargetConfig{
   DeltaStage: "15s",
   Schedule: "oneAtATime",
}.New(workflow, "write_ethereum-testnet-sepolia@1.0.0", targetInput)
```

Introducing CRE

Customize pre-built workflows or build your own in a self-serve manner

Build in weeks, not months



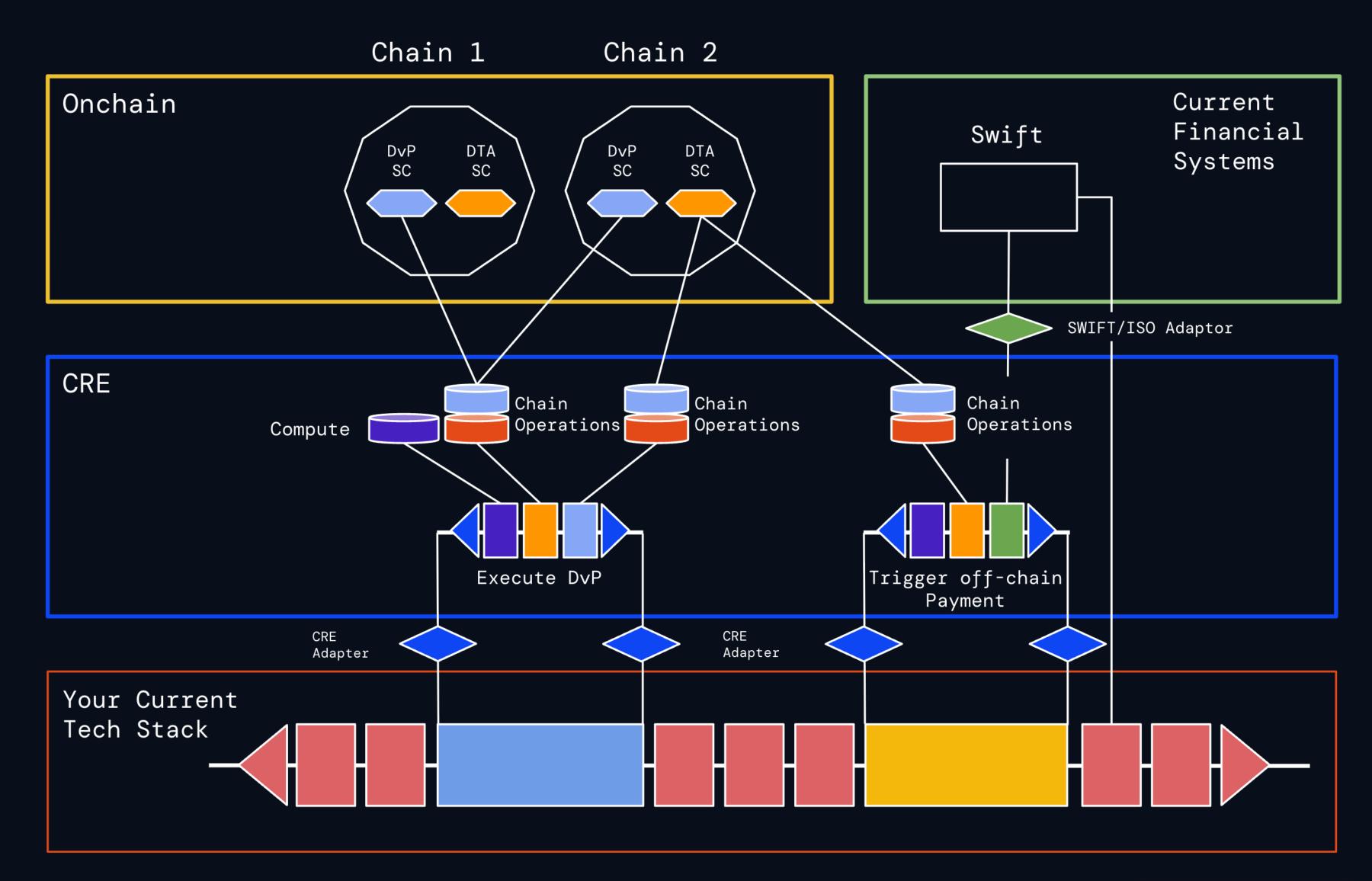


Building Hybrid Solutions

Integrate them with your current workflows and systems

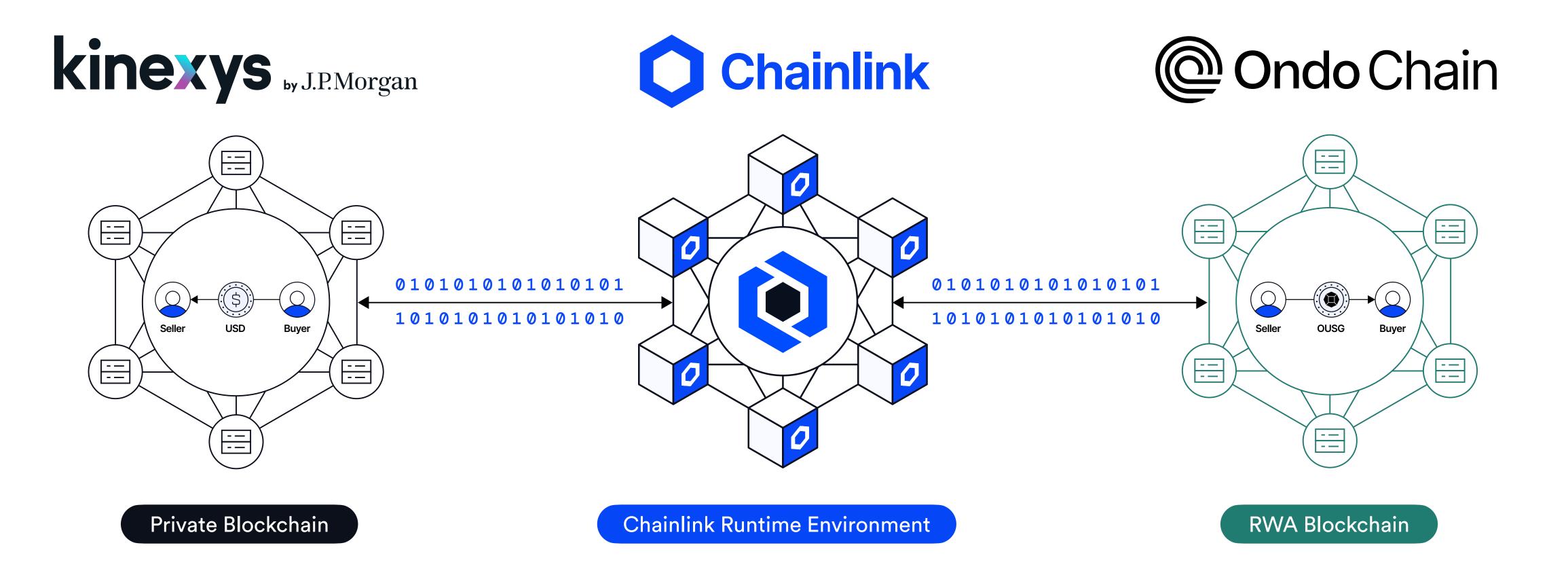


Your Business Workflows





Kinexys Private Chain Paying for Ondo Public Chain Assets







Thank You

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