# Solution & Architecture for Subscription with INTELL & USDT

12 April **2023**

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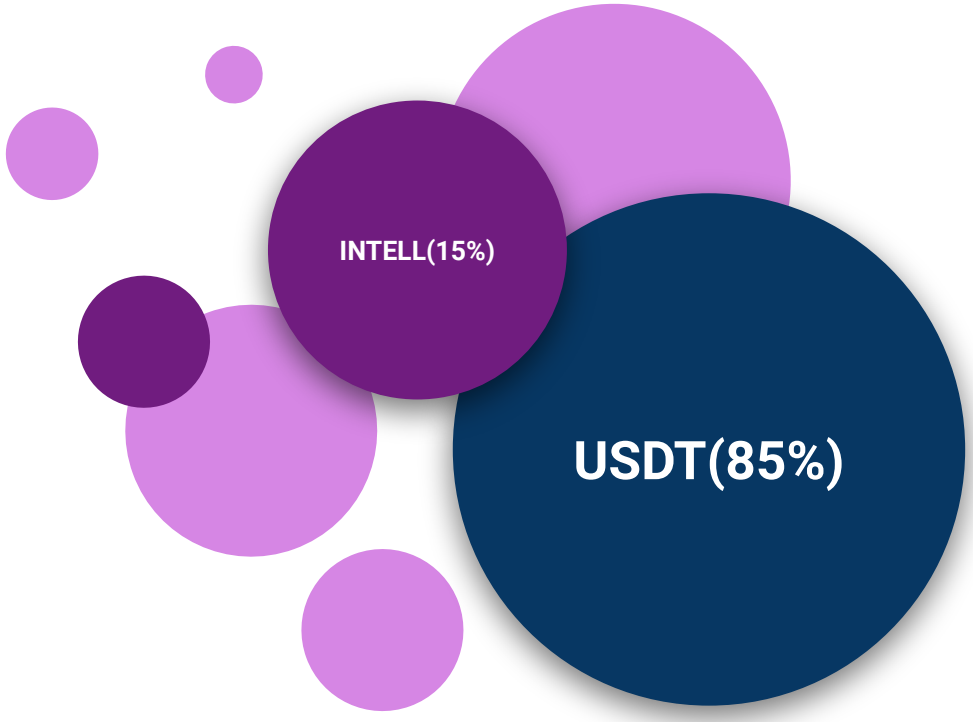
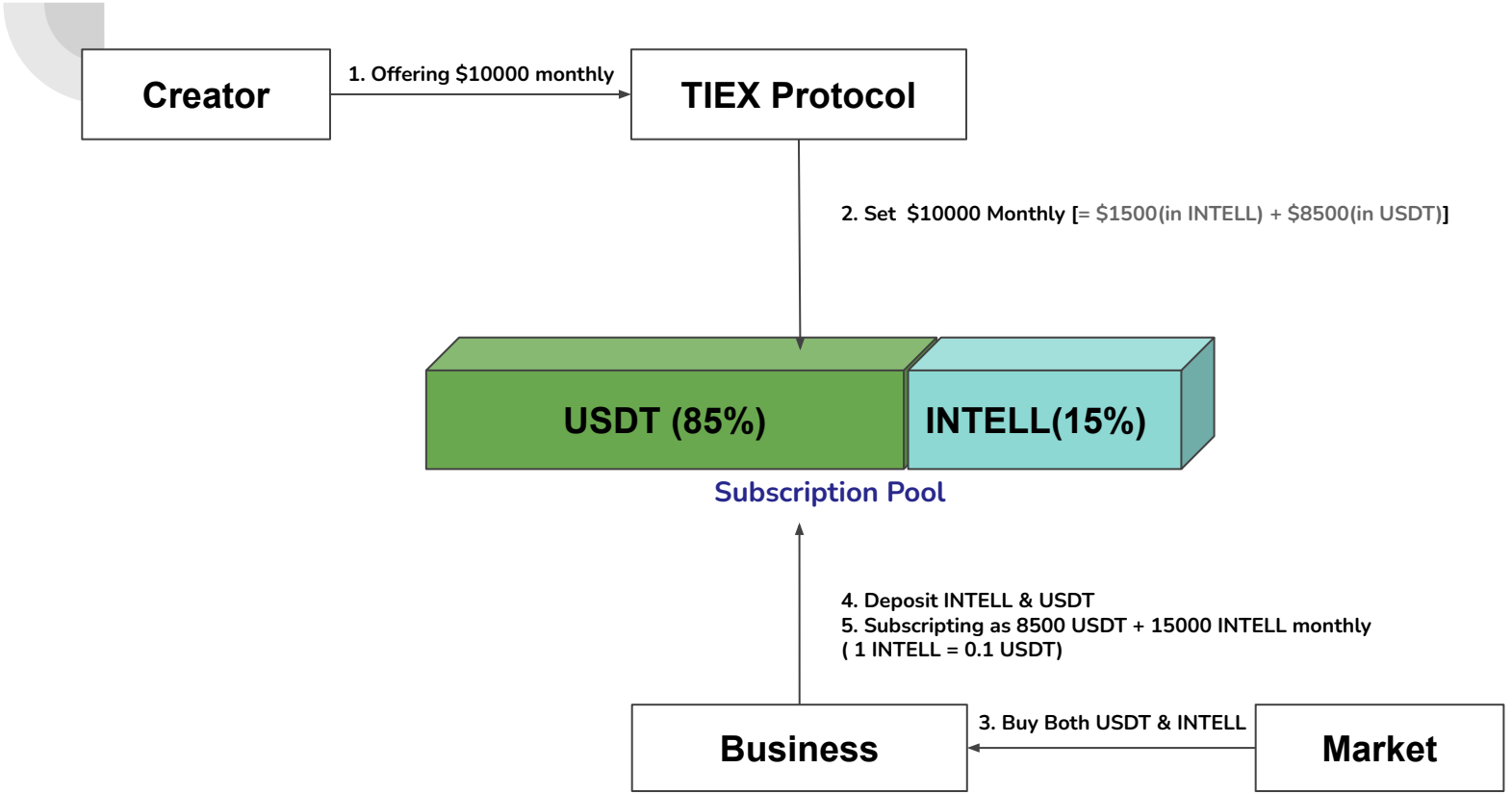
# Solution: Mixing USDT and INTELL at a certain ratio

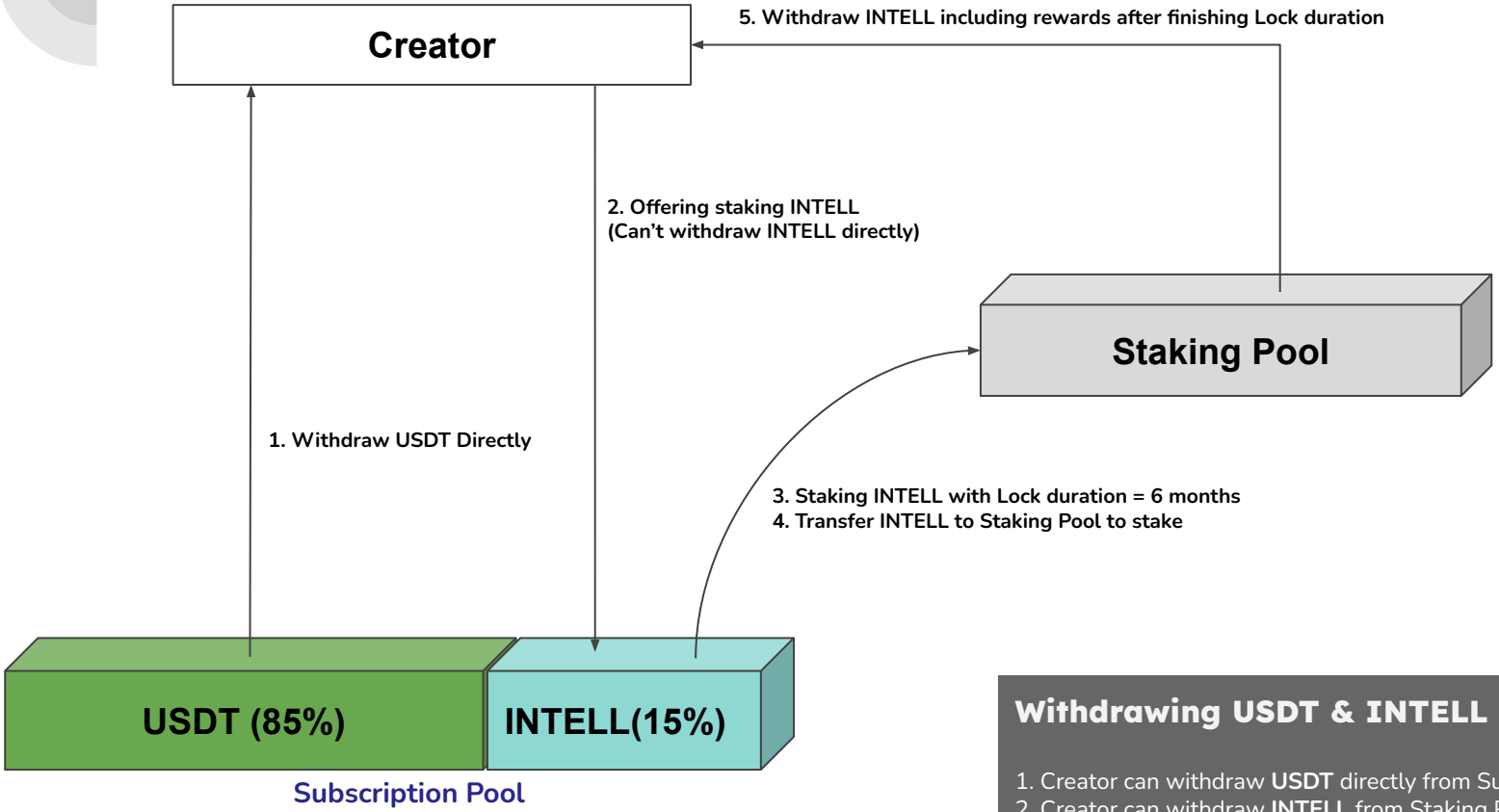


# Architecture

# Offering Subscription Plan & Subscripting with USDT(85%) + INTELL(15%)



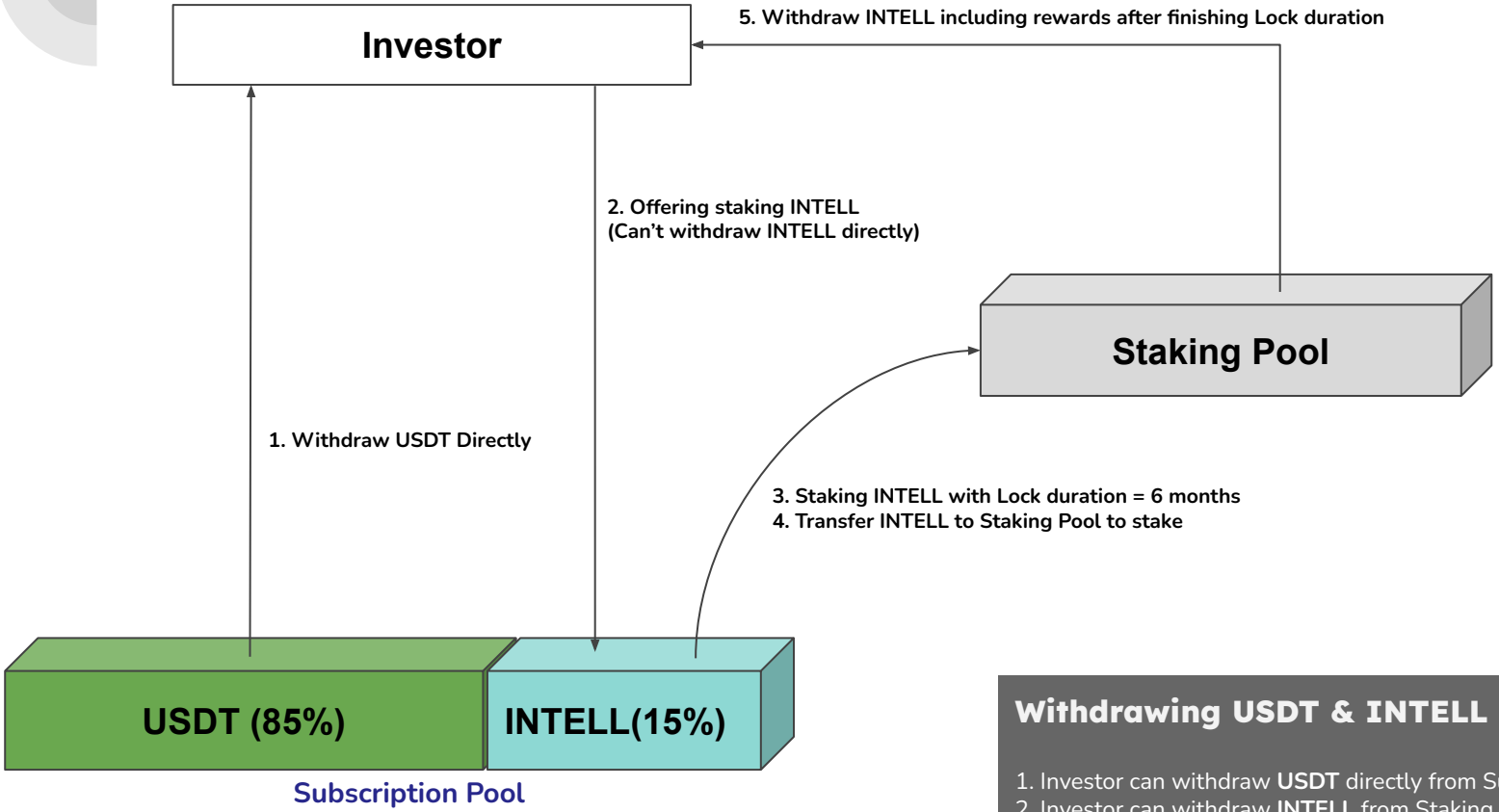
# Withdrawing USDT & INTELL through Subscription Pool & Staking Pool




## Withdrawing USDT & INTELL

1. Creator can withdraw **USDT** directly from Subscription Pool.
2. Creator can withdraw **INTELL** from Staking Pool by staking it.

# Withdrawing USDT & INTELL through Subscription Pool & Staking Pool




## Withdrawing USDT & INTELL

1. Investor can withdraw **USDT** directly from Subscription Pool.
2. Investor can withdraw **INTELL** from Staking Pool by staking it.

# Reason for mixing USDT and INTELL tokens in Subscription Payment method

01

**Large price volatility;** In short, it is to prevent huge PNL(Profit And Loss) from occurring due to large price volatility of INTELL token (dump & pump).

02

**Why INTELL token in Payment method?**
INTELL token is the main currency of TIEX Protocol and must be included in Payment unconditionally.

03

**Why USDT token in Payment method?**
Since USDT is a stable coin and the price is always 1$, it prevents huge PNL from occurring due to large price volatility of INTELL token.

# TIEX Protocol analysis

For one year after launching, the INTELL token price volatility is considered to be very large. In other words, since the LP(Liquidity Pool) of the INTELL token is not large for a while after the initial launch, big investors and traders can cause big changes in the INTELL price. This can lead to huge losses and huge profits for data scientists and investors.

That is, it means that the PNL increases.

Big PNL is not good for them. Therefore, we proposed a subscription payment method that mixes USDT with no volatility, and INTELL token with high volatility.

**In the future, when the INTELL Token LP(Liquidity Pool) becomes large enough, the INTELL ratio will need to be increased in the mixed payment method like the following table.**

| After Launching | USDT Ratio | INTELL Ratio |
|---|---|---|
| For 1 year | 90% | 10% |
| After 1 year | 85% | 15% |
| After 2 year | 80% | 20% |
| After 3 year | 75% | 25% |
| After 4 year | 70% | 30% |

# Mathematical modeling of PNL

**ΔV** : INTELL Token Price Change Rate (%)

**Mixing Rate;** X(%) + Y(%) = 100%

**X(%);** USDT Ratio

**Y(%);** INTELL Ratio

**Finally, PNL(%) = ± | Y * ΔV | / 100 (%)**

# For Instance

**$-50\% \leqq \Delta V \leqq 50\%$**

**Mixing Rate;** X(%) + Y(%) = 100%

**X(%) = 90% (USDT)**

**Y(%) = 10% (INTELL)**

**PNL(%) = ± | Y * ΔV | / 100 = ± | 10 * 50 | / 100(100%) = ± 5 (%)**