

ALVARA PROTOCOL & ALVA TOKEN

CRYPTO-ASSET WHITE PAPER

Version 2.0 — March 2026

(Prepared in accordance with Regulation (EU) 2023/1114, "MiCA")

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1. ■■■■■

Alvara ■■■■■ "Alvara" ■■■■■ "B
SKT" ■■■■■ ERC-7621 ■■■■■ —■■■■ Alvara ■■■■■ —■■■■ Ethereum
■■■■■ DeFi
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Alvara ■■■■■

1. BSKT Lab ■■■■■ ERC-7621 BSKT ■■■■■
2. ■■■■■ ALVA ■■■■■ ALVA ■■■■■ "veALVA" ■■■■■
3. ■■■■■
4. BSKTX ■■■■■ BSKT LP ■■■■■
5. BSKT ■■■■■ BSKT ■■■■■

■■■■■ Alvara DAO ■■■■ —■■■■ veALVA ■■■■■ ALVA
■■■■■ Snapshot ■■■■■ DAO ■■■■■ 16 ■■■■

ALVA ■■

ALVA ■■■■■ ERC-20 ■■■■■ 200,000,000 ■■■■■ ALVA ■■■■■
veALVA ■■■■■ BSKT ■■■■■ ALVA ■■■■ Alvara
Protocol Inc. ■■■■■

■■■■■

■■■■■ Ethereum ■■■■■ 2026 ■ 3 ■■■■■ 8 ■■■■■ ALVA
■■■■■ BSKT ■■■■■ Quill Audits ■■■■ CertiK ■■■■ Adeva ■■■■

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Alvara ■■■■■ 2026 ■■■■■
Solana ■■■■■
Snapshot ■■■■■ DAO ■■■■■ 16 ■■■■

2. ALVARA ■■■■■

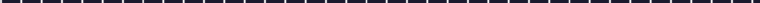
2.1 ■■■■■

3.1 ERC-7621 ■■■■■

4/4/20

4444

• 

•  NAV  LP 

•  LP  NAV 

•  LP 

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ERC-20	ERC-4626	ERC-7621
ERC-20	ERC-4626	BSKT LP ERC-20
ERC-4626	ERC-1155	ERC-7621
ERC-1155		ERC-7621

BSKT BSKT BSKT

3.2

Ethereum

Ethereum ALVA ERC-20 Ethereum Ethereum
BSKT Lab BSKTX BSKT
Ethereum 16

Avalanche C-Chain Base

ALVA Avalanche C-Chain Base DEX ALVA
Axelar / Squidrouter Ethereum Base Avalanche
Ethereum
BSKT Lab Base 2026

Solana BNB Chain 16
21

3.3

Alvara

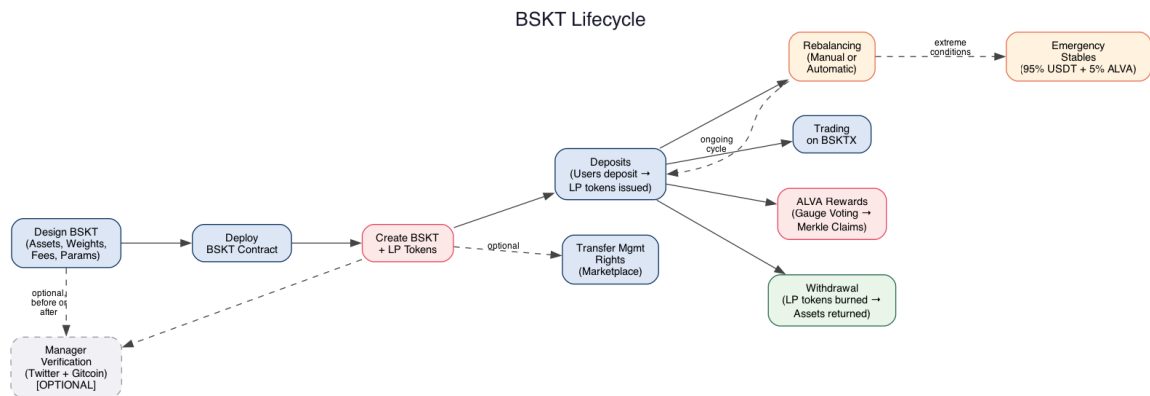


Figure 2: BSKT Lifecycle Flow

4. BSKT LAB ■ ERC-7621 ■■

4.1 BSKT ■■■■■

BSKT Lab ■■■■■ BSKT ■■■■■■

2026

2026

- **Gitcoin Passport**

KYC AML

■■■ BSKT Lab ■■■■■■■■■■

ALVA ■■ ■ Ethereum ■■■■■■■■ BSKT Lab ■■■■■■■■ BSKT ■■■■■■■■■■■■■■ 5% ■ ALVA

Ethereum ALVA

16 BSKT ALVA

BSKT

BSKT

Alvara ██████████

[illegible]

□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □

BSKT

[illegible]

Diagram illustrating the structure of a BSKT (Block Sparse Kernel Tensor). The tensor is represented as a grid of blocks. The top row shows a sequence of 10 blocks. Below this, a list of 4 items is shown, each representing a different block type or configuration:

- A sequence of 8 blue blocks followed by 2 white blocks.
- A sequence of 8 blue blocks followed by 2 white blocks.
- A sequence of 8 blue blocks followed by 2 white blocks.
- A sequence of 8 blue blocks followed by 2 white blocks.

The bottom row shows a sequence of 10 blocks, with the first 8 blocks being blue and the last 2 blocks being white, labeled "BSKT".

9

BSKT Lab BSKT

11/11/11

[illegible]

- 0.50%
- Gas
- BSKT LP

4.5 ■■■■■

BSKT ■■■■■■■■■■

[illegible]

4.6 NAV ■■

Alvara BSKT NAV ■■■ BSKT LP ■■■■■■■■■■ BSKT ■■■■■■■■■■■■■■■■■■■■ BSKT LP ■■■■■

[illegible]

NAV

■■■■■ t ■ BSKT■

$$\text{NAV per LP}(t) = (\sum_i [q_i(t) \times P_i(t)] - L(t)) \div N_{\text{LP}}(t)$$

333

- [illegible]

4.7 BSKT ■■■■■ TER ■■

T BSKT TER

$$\text{TER} = (E(T) \div A_{\text{avg}}(T)) \times 100\%$$

- [illegible]

BSKT E(T)

- Gas
-
-
-
-

B S K T

4.8 ■■■■■■■■■■

[illegible]

Category	Count
BSKT	1000
BSKT	1000
DAO	1000

Alvara ██████████ BSKT LP ████████

5. ALVARA

5.1 ALVA ■■

22

[illegible]

- Ethereum ERC-20
- 200,000,000 ALVA
- ALVA Avalanche C-Chain Base
- Ethereum Ethereum
- ALVA
- ALVA Ethereum

MiCA ■■■■■■

[illegible]

ALVA

5.1.1 ■■■

ALVA ■ Alvara ■■■■■■■■■■

1. ■■■■■■

Alvara DAO Alvara

11

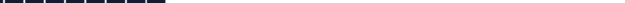
- ALVA veALVA
- ALVA
- ALVA SRV
- ALVA

11

- 
-  ALVA 
-

□ □ □ □ □

Page 10 of 10

-
- 
-  AML/CFT 

1111111111111111

- ■ Alvara DAO ■■■■■■

- BSKT
- " " "

" " ALVA 100 ALVA 200 veALVA veALVA

200 veALVA 100 ALVA 12 2 ALVA 50% SRV

veALVA veALVA 2 veALVA 50% SRV

100 ALVA 200 veALVA 50% SRV 2026 3 Ethereum Alvara DAO ALVA

veALVA DAO ALVA ALVA

5.3 ERC-7621 BSKT

BSKT ERC-7621 BSKT BSKT DAO

Alvara BSKT BSKT

5.4 BSKT LP

BSKT Lab BSKT BSKT LP BSKT LP

- ERC-20
- (i) (ii) ETH
- BSKT DAO

5.5 BSKTX LP AX LP

BSKTX BSKT AX LP AX LP ERC-20 DeFi

5.6

5.6.1

Alvara ALVA ETH

- 10% ALVA 20,000,000 ALVA
-
- BSKT Lab
- BSKTX
- BSKT

Alvara DAO

12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989910010110210310410510610710810911011111211311411511611711811912012112212312412512612712812913013113213313413513613713813914014114214314414514614714814915015115215315415515615715815916016116216316416516616716816917017117217317417517617717817918018118218318418518618718818919019119219319419519619719819920020120220320420520620720820921021121221321421521621721821922022122222322422522622722822923023123223323423523623723823924024124224324424524624724824925025125225325425525625725825926026126226326426526626726826927027127227327427527627727827928028128228328428528628728828929029129229329429529629729829930030130230330430530630730830931031131231331431531631731831932032132232332432532632732832933033133233333433533633733833934034134234334434534634734834935035135235335435535635735835936036136236336436536636736836937037137237337437537637737837938038138238338438538638738838939039139239339439539639739839940040140240340440540640740840941041141241341441541641741841942042142242342442542642742842943043143243343443543643743843944044144244344444544644744844945045145245345445545645745845946046146246346446546646746846947047147247347447547647747847948048148248348448548648748848949049149249349449549649749849950050150250350450550650750850951051151251351451551651751851952052152

2026 3 Ethereum

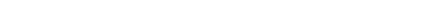
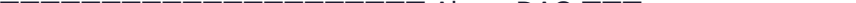
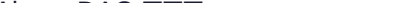
- 60
-  1inch 
-  CoinGecko 

<https://www.pearsoncmg.com/api/v1/print/healthcare/9780134478204>

BSKT

6.3 ■■■■■■

1111111111111111

-  Alvara DAO 
-  BSKT  BSKT DAO 

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BSKT

[illegible]

6.4 ■■■■■■■■

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■■■■■■■■■■ NAV ■■■■■■■■■■

7. ■■■■■■

BSKT

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■ ■	■■■■■■TER■■■■ Gas ■ ■
■ ■	■■■■■■Herfindahl ■■■■■■■■■■■■■■■ALVA ■ ■

NAV

Alvara Protocol Inc.

Alvara DAO

2026

18

ALVA	ALVA	veALVA	ALVA
6	100	50	1.25%
12	100	100	2.75%
18	100	200	4.50%
24	100	400	8.50%
36	100	800	12.50%
48	100	1,000	20%
100	100	200	50%

2026 3 Ethereum Alvara DAO
ALVA Alvara dApp

"5.2

1 1 0% SRV veALVA
SRV BSKT Lab 10% SRV

8.4 veALVA

"veALVA

-
-
- veALVA

100 ALVA 1 100 veALVA 1 $(100 / 365.25 \times 364.25)$ veALVA 2 $(100 / 365.25 \times 363.25)$ veALVA
veALVA 0

9. BSKTX

9.1

BSKTX

- BSKT LP ETH
- BSKT
- BSKT NAV

9.2 AMM

BSKTX $x * y = k$ Uniswap V2 LP

9.3

- BSKT LP BSKTX
- AX LP
- BSKTX 0.30% AX LP
0.10% 0.10% BSKT LP 0.10% 15

LP

10. BSKT

BSKT BSKT DAO

BSKT

- BSKT
- BSKT
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- NAV
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Alvara BSKT

11. DAO

11.1 Alvara DAO

Alvara Alvara DAO veALVA

-
-
- ALVA BSKT

	Snapshot gas	DAO
	3-of-4	
		DAO
	veALVA 20%	20%

Category	Relative Size (approximate)
Snapshot	10
gas	100
veALVA	10
Snapshot	10
12.3	10
gas	10
DAO	10
(unlabeled)	10

DAO 16

- 3,000 veALVA
- veALVA 20%
- 51%

BSKT ■■■■■■■■■■ BSKT ■■ DAO■■■

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[illegible]

11.3.1 ■■■■

[illegible]

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-  Merkle 
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- BSKT 4.2.3
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11.3.3

- DAO
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12. ALVARA

12.1 BSKT ALVA

ALVA 44% 88,000,000 ALVA BSKT

- 31
- veALVA "Alpha" BSKT
- BSKT LP

BSKT

12.2

R_{total} ALVA v_j BSKT j veALVA

$$R_j = R_{total} \times (v_j / \sum_k v_k)$$

12.3

ALVA Merkle

1. BSKT ALVA
2. BSKT LP BSKT LP
3. Merkle Ethereum GaugeWeightClaims
4. Merkle ALVA
- 5.

gas gas

12.4 ALVA

	(ALVA)	(ALVA)	(ALVA)	88M	200M
1	119,020	6,189,049	6,189,049	7.03%	3.09%
2	111,879	5,817,706	12,006,755	13.64%	6.00%
3	105,166	5,468,644	17,475,399	19.86%	8.74%
4	98,856	5,140,525	22,615,924	25.70%	11.31%
5	92,925	4,832,094	27,448,018	31.19%	13.72%

Alvara ██████████

Alvara

23

- Alvara DAO BSKT DAO Snapshot
DAO 16
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14.3

- BSKT
- ALVA
- BSKT BSKTX
-

3-of-4 11.3.1

14.4

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Alvara

Alvara GitHub

15. ALVARA

15.1

Alvara

- BSKT
- BSKT Lab
- BSKTX
- BSKT
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-

BSKT SRV ALVA

15.2

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Category	Count
BSKT	10
Twitter/X	20
Gitcoin	5
Passport	0

The diagram illustrates the relationship between a DAO, a Snapshot, and DAO components. It consists of three rows of blocks:

- Row 1:** A sequence of blocks. The first two are labeled "DAO". The next three are labeled "Snapshot". The final four are labeled "DAO".
- Row 2:** A single long block labeled "DAO" that spans the entire width of the diagram.
- Row 3:** A sequence of blocks that spans the width of the first two blocks of Row 1.

■■■■■ ■■■■■■■■■■■■■■■■■■■■■ BSKT ■■■■■■■■■■■■■■■■■■■■■

[illegible][illegible][illegible]

26

20.4 ■■■■■■■■■■

Alvara Protocol Inc.

- [illegible]

20.5 MiCA ■■■■■■■■■■

[illegible]

- 
- MiCA 
- ALVA  BSKT 

Alvara ALVA BSKT

20.6 ■■

[illegible]

20.7 ■■■■■■

[illegible]

20.8 ■■■■■■■■

Figure 1 illustrates the three data sets used in the study. The top row shows the 'Alvara' dataset with 10 blue squares and the 'ALVA' dataset with 21 red squares. The middle row shows the 'ALVA' dataset with 21 blue squares and the '21' dataset with 10 red squares. The bottom row shows the '10' dataset with 10 blue squares.

20.9 ■■■■■■

20.9.1 ■■■■■■

Alvara

Alvara	Protocol	Inc.

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[illegible]

20.9.2 ■■■■

[illegible]

- MiCA ALVA
- ALVA BSKT
- Alvara ALVA
- ALVA ALVA

Coin	Count
Bitcoin	1000
Ethereum	500
Monero	100
Zcash	50
Litecoin	50

32

- **ALVA** **BSKT LP**
- **ALVA** **BSKT**
- **NAV** **BSKT LP** **NAV**

21.6

- **Ethereum**
-

ALVA **ALVA**

22.

2026 **3** **Alvara** **Ethereum**
Alvara **GitHub**
<https://github.com/Alvara-Protocol>

A.1

ALVA Token (ERC-20)	■	■■■■■■	N/A	N/A	N/A	Quill, CertiK, Adevar
BSKT Lab (ERC-7621 Factory)	■	■■■■■■	■■■■ (3-of-4)	■■■■■■■■	■■■■■	Quill, CertiK, Adevar
BSKT ■■■■■■■■	■	■■■■■■	N/A	■■■■■■■■ ■■■■■■■■ ■ BSKT DAO / ■■■■■■■■	■■■■■■■■ ■■■■■■■■ ■■■■■	Quill, CertiK, Adevar
■■■■■ (veALVA)	■	■■■■■■	■■■■ (3-of-4)	■■■■■■■■ ■■	■■■■■	Quill, CertiK, Adevar
GaugeWeight Claims	■	■■■■■■	N/A	■■■■■Merkle ■■■■■	N/A	Quill, CertiK, Adevar
BSKTX	■■■	■■	■■	■■	■■	■■■■■■■■
BSKT ■■	■■■	■■	■■	■■	■■	■■■■■■■■

A.2

■■■■■	Snapshot■■■■■
■■■■■	3,000 veALVA
■■■■■	■■ veALVA ■ 20%
■■■	■■■ 51%

■ ■	■ ■ ■
■ ■ ■ ■	■ ■
■ ■ ■ ■ ■ ■	■ ■
■ ■ ■ ■	3-of-4 ■ ■
■ ■ DAO	■ ■ ■ ■ 2026 ■ ■ ■ ■ ■ ■

A.3 ■ ■ ■ ■ ■ ■

■ ■	■ ■	■ ■
■ ■ ■ ■ ■ ■ ■ ■	0.50%	0.40% ■ ■ ■ ■, 0.05% SRV, 0.05% ■ ■
■ ■ ■ ■ ■ ■ ■ ■ ■ ■	0.50%	0.40% ■ ■ ■ ■, 0.05% SRV, 0.05% ■ ■
■ ■ ■ ■ ■ ■ LP ■	0.50%	0.40% ■ ■ ■ ■, 0.05% SRV, 0.05% ■ ■
■ ■ ■ ■ ■ ■ ■ ■ AUM ■	1.00%	1.00% ■ ■ ■ ■ ■ ■ ■ ■

A.4 ■ ■ BSKT ■ ■

■ ■	■ ■ ■
■ ■ ALVA ■ ■	■ ■ ■ ■ ■ ■ 5% ■ ■ Ethereum ■ ■ ■ ■
■ ■ ■ ■ ■ ■	0.1 ETH ■ ■
■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■
■ ■ ■ ■ ■ ■ ■ ■	95% USDT / 5% ALVA ■ ■ WETH ■ ■ ■ ■
■ ■ ■ ■ ■ ■ ■ ■ Ethereum ■	4
■ ■ ■ ■ ■ ■ ■ ■	8

A.5 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■

■ ■	■ ■ ■
■ ■ ■ ■ ■ ■ ■ ■	CoinGecko API
■ ■ ■ ■ ■ ■	1inch ■ ■ ■ ■ ■ ■
■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■
■ ■ ■ ■ ■ ■ ■ ■	60 ■
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