

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(Amendment No. 2)*

Innventure, Inc.

(Name of Issuer)

Common Stock, par value \$0.0001 per share

(Title of Class of Securities)

45784M108

(CUSIP Number)

09/30/2025

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- ☐ Rule 13d-1(b)
- ☒ Rule 13d-1(c)
- ☐ Rule 13d-1(d)

SCHEDULE 13G

CUSIP No. 45784M108

- 1Names of Reporting Persons
- CastleKnight Master Fund LP
- Check the appropriate box if a member of a Group (see instructions)
- 2☐ (a)
- ☒ (b)
- 3Sec Use Only
- Citizenship or Place of Organization
- 4CAYMAN ISLANDS

	Sole Voting Power
5	0.00
Number of Shares Beneficially Owned by Each Reporting Person With:	Shared Voting Power
6	3,086,416.00
	Sole Dispositive Power
7	0.00
	Shared Dispositive Power
8	3,086,416.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	3,086,416.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)
	☐
11	Percent of class represented by amount in row (9)
	5.2 %
12	Type of Reporting Person (See Instructions)
	PN

Comment for Type of Reporting Person: This figure includes 3,001,951 warrants beneficially owned by the Reporting Persons each exercisable for one share of Common Stock, par value \$0.0001 per share.

SCHEDULE 13G

CUSIP No. 45784M108

1	Names of Reporting Persons
	CastleKnight Fund GP LLC
	Check the appropriate box if a member of a Group (see instructions)
2	☐ (a)
	☒ (b)
3	Sec Use Only
4	Citizenship or Place of Organization
	DELAWARE
	Sole Voting Power
5	0.00
Number of Shares Beneficially Owned by Each Reporting Person With:	Shared Voting Power
6	3,086,416.00
	Sole Dispositive Power
7	0.00
	Shared Dispositive Power
8	3,086,416.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	3,086,416.00

10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)
	☐
11	Percent of class represented by amount in row (9)
	5.2 %
12	Type of Reporting Person (See Instructions)
	OO

SCHEDULE 13G

CUSIP No. 45784M108

	Names of Reporting Persons
1	CastleKnight Management LP
	Check the appropriate box if a member of a Group (see instructions)
2	☐ (a)
	☒ (b)
3	Sec Use Only
	Citizenship or Place of Organization
4	DELAWARE
	Sole Voting Power
5	0.00
	Shared Voting Power
6	3,086,416.00
	Sole Dispositive Power
7	0.00
	Shared Dispositive
8	Power
	3,086,416.00
	Aggregate Amount Beneficially Owned by Each Reporting Person
9	3,086,416.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)
	☐
11	Percent of class represented by amount in row (9)
	5.2 %
12	Type of Reporting Person (See Instructions)
	IA, PN

SCHEDULE 13G

CUSIP No. 45784M108

1	Names of Reporting Persons
---	----------------------------

CastleKnight Management GP LLC
Check the appropriate box if a member of a Group (see instructions)

2

☐ (a)
☒ (b)

3

Sec Use Only
Citizenship or Place of Organization

4

DELAWARE

Sole Voting Power

5

0.00

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person
With:

Shared Voting Power

6

3,086,416.00

Sole Dispositive Power

7

0.00

Shared Dispositive
Power

8

3,086,416.00

Aggregate Amount Beneficially Owned by Each Reporting Person

9

3,086,416.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

10

☐

Percent of class represented by amount in row (9)

11

5.2 %

Type of Reporting Person (See Instructions)

12

OO

SCHEDULE 13G

CUSIP No. 45784M108

Names of Reporting Persons

1

Weitman Capital LLC

Check the appropriate box if a member of a Group (see instructions)

2

☐ (a)
☒ (b)

3

Sec Use Only
Citizenship or Place of Organization

4

NEW JERSEY

Sole Voting Power

5

0.00

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person
With:

Shared Voting Power

6

3,086,416.00

Sole Dispositive Power

7

0.00

8	Shared Dispositive Power
	3,086,416.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	3,086,416.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)
	☐
11	Percent of class represented by amount in row (9)
	5.2 %
12	Type of Reporting Person (See Instructions)
	OO

SCHEDULE 13G

CUSIP No. 45784M108

1	Names of Reporting Persons
	Aaron Weitman
	Check the appropriate box if a member of a Group (see instructions)
2	☐ (a)
	☒ (b)
3	Sec Use Only
4	Citizenship or Place of Organization
	UNITED STATES
	Sole Voting Power
5	0.00
	Shared Voting Power
6	3,086,416.00
	Sole Dispositive Power
7	0.00
	Shared Dispositive Power
8	3,086,416.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	3,086,416.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)
	☐
11	Percent of class represented by amount in row (9)
	5.2 %
12	Type of Reporting Person (See Instructions)
	HC, IN

SCHEDULE 13G

Item 1.

Name of issuer:

(a)

Innventure, Inc.

Address of issuer's principal executive offices:

(b)

6900 Tavistock Lakes Blvd, Suite 400, Orlando, Florida, 32827, United States of America

Item 2.

Name of person filing:

(a)

CastleKnight Master Fund LP CastleKnight Fund GP LLC CastleKnight Management LP CastleKnight Management GP LLC Weitman Capital LLC Aaron Weitman

Address or principal business office or, if none, residence:

(b)

CastleKnight Master Fund LP Maples Corporate Services Limited P.O. Box 309 Ugland House Grand Cayman KY1-1104 Cayman Islands CastleKnight Fund GP LLC 888 Seventh Avenue, 24th Floor New York, New York 10019 United States of America CastleKnight Management LP 888 Seventh Avenue, 24th Floor New York, New York 10019 United States of America CastleKnight Management GP LLC 888 Seventh Avenue, 24th Floor New York, New York 10019 United States of America Weitman Capital LLC c/o Aaron Weitman c/o CastleKnight Management LP 888 Seventh Avenue, 24th Floor New York, New York 10019 United States of America Aaron Weitman c/o CastleKnight Management LP 888 Seventh Avenue, 24th Floor New York, New York 10019 United States of America

Citizenship:

(c)

CastleKnight Master Fund LP - Cayman Islands CastleKnight Fund GP LLC - Delaware CastleKnight Management LP - Delaware CastleKnight Management GP LLC - Delaware Weitman Capital LLC - New Jersey Aaron Weitman - United States of America

Title of class of securities:

(d)

Common Stock, par value \$0.0001 per share
CUSIP No.:

(e)

45784M108

Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

(a)

☐ Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);

(b)

☐ Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);

(c)

☐ Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);

(d)

☐ Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);

(e)

☐ An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);

(f)

☐ An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);

(g)

☐ A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);

(h)

☐ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);

(i)

☐ A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);

(j)

☐ A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:

(k)

☐ Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

Item 4.

Ownership

Amount beneficially owned:

(a)

CastleKnight Master Fund LP - 3,086,416 CastleKnight Fund GP LLC - 3,086,416 CastleKnight Management LP - 3,086,416 CastleKnight Management GP LLC - 3,086,416 Weitman Capital LLC - 3,086,416 Aaron Weitman - 3,086,416

Percent of class:

(b)

CastleKnight Master Fund LP - 5.2% CastleKnight Fund GP LLC - 5.2% CastleKnight Management LP - 5.2% CastleKnight Management GP LLC - 5.2% Weitman Capital LLC - 5.2% Aaron Weitman - 5.2% %

(c) Number of shares as to which the person has:

(i) Sole power to vote or to direct the vote:

CastleKnight Master Fund LP - 0 CastleKnight Fund GP LLC - 0 CastleKnight Management LP - 0 CastleKnight Management GP LLC - 0 Weitman Capital LLC - 0 Aaron Weitman - 0

(ii) Shared power to vote or to direct the vote:

CastleKnight Master Fund LP - 3,086,416 CastleKnight Fund GP LLC - 3,086,416 CastleKnight Management LP - 3,086,416 CastleKnight Management GP LLC - 3,086,416 Weitman Capital LLC - 3,086,416 Aaron Weitman - 3,086,416

(iii) Sole power to dispose or to direct the disposition of:

CastleKnight Master Fund LP - 0 CastleKnight Fund GP LLC - 0 CastleKnight Management LP - 0 CastleKnight Management GP LLC - 0 Weitman Capital LLC - 0 Aaron Weitman - 0

(iv) Shared power to dispose or to direct the disposition of:

CastleKnight Master Fund LP - 3,086,416 CastleKnight Fund GP LLC - 3,086,416 CastleKnight Management LP - 3,086,416 CastleKnight Management GP LLC - 3,086,416 Weitman Capital LLC - 3,086,416 Aaron Weitman - 3,086,416

Item 5. Ownership of 5 Percent or Less of a Class.

Item 6. Ownership of more than 5 Percent on Behalf of Another Person.

Not Applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

If a parent holding company has filed this schedule, pursuant to Rule 13d-1(b)(ii)(G), so indicate under Item 3(g) and attach an exhibit stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company has filed this schedule pursuant to Rule 13d-1(c) or Rule 13d-1(d), attach an exhibit stating the identification of the relevant subsidiary.

Please see Exhibit B attached hereto.

Item 8. Identification and Classification of Members of the Group.

Not Applicable

Item 9. Notice of Dissolution of Group.

Not Applicable

Item 10. Certifications:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under ?? 240.14a-11.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

CastleKnight Master Fund LP

Signature: By: CastleKnight Fund GP LLC, its general partner, By: Weitman Capital LLC, its managing member, By: /s/ Aaron Weitman

Name/Title: Aaron Weitman / Manager

Date: 11/14/2025

CastleKnight Fund GP LLC

Signature: By: Weitman Capital LLC, its managing member, By: /s/ Aaron Weitman

Name/Title: Aaron Weitman / Manager

Date: 11/14/2025

CastleKnight Management LP

Signature: By: CastleKnight Management GP LLC, its
general partner, By: Weitman Capital LLC, its
managing member, By: /s/ Aaron Weitman

Name/Title: Aaron Weitman / Manager

Date: 11/14/2025

CastleKnight Management GP LLC

Signature: By: Weitman Capital LLC, its managing member,
By: /s/ Aaron Weitman

Name/Title: Aaron Weitman / Manager

Date: 11/14/2025

Weitman Capital LLC

Signature: By: /s/ Aaron Weitman

Name/Title: Aaron Weitman / Manager

Date: 11/14/2025

Aaron Weitman

Signature: By: /s/ Aaron Weitman

Name/Title: Aaron Weitman

Date: 11/14/2025

Exhibit Information

Material to be Filed as Exhibit: Exhibit A - Joint Filing Agreement Exhibit B - Control Person Identification

JOINT FILING AGREEMENT

The undersigned agree that this Schedule 13G Amendment No. 2 dated November 14, 2025 relating to the Common Stock, par value \$0.0001 per share, of Innventure, Inc. shall be filed on behalf of the undersigned.

CASTLEKNIGHT MASTER FUND LP

By: CastleKnight Fund GP LLC, its general partner

By: Weitman Capital LLC, its managing member

By: /s/ Aaron Weitman

Name: Aaron Weitman

Title: Manager

CASTLEKNIGHT FUND GP LLC

By: Weitman Capital LLC, its managing member

By: /s/ Aaron Weitman

Name: Aaron Weitman

Title: Manager

CASTLEKNIGHT MANAGEMENT LP

By: CastleKnight Management GP LLC,
its general partner

By: Weitman Capital LLC, its managing member

By: /s/ Aaron Weitman

Name: Aaron Weitman

Title: Manager

CASTLEKNIGHT MANAGEMENT GP LLC

By: Weitman Capital LLC, its managing member

By: /s/ Aaron Weitman

Name: Aaron Weitman

Title: Manager

WEITMAN CAPITAL LLC

By: /s/ Aaron Weitman

Name: Aaron Weitman

Title: Manager

AARON WEITMAN

By: /s/ Aaron Weitman

CONTROL PERSON IDENTIFICATION

CastleKnight Management LP is the relevant entity for which Aaron Weitman may be considered a control person.