

Medidata Solutions, Inc.  
Form S-8  
August 20, 2014

As filed with the Securities and Exchange Commission on August 20, 2014

Registration No. 333-

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

**FORM S-8**  
**REGISTRATION STATEMENT**  
***UNDER***  
***THE SECURITIES ACT OF 1933***

**Medidata Solutions, Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of  
incorporation or organization)  
**350 Hudson Street, 9th Floor**

**13-4066508**  
(I.R.S. Employer  
Identification No.)  
**10014**

**New York, New York**  
**(Address of Principal Executive Offices)** **(Zip Code)**  
**Medidata Solutions, Inc. Amended and Restated 2014 Employee Stock Purchase Plan**

**(Full title of the plan)**

**Michael I. Otner**

**Executive Vice President, General Counsel and Secretary**

**350 Hudson Street, 9th Floor, New York, NY 10014**

**(Name and address of agent for service)**

**(212) 918-1800**

**(Telephone number, including area code, of agent for service)**

*Copies to:*

**Warren J. Nimetz, Esq.**

**Fulbright & Jaworski LLP**

**666 Fifth Avenue, New York, New York 10103**

**Telephone: (212) 318-3000, Facsimile: (212) 318-3400**

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☒

Non-accelerated filer ☐

Accelerated filer ☐

Smaller reporting company ☐

**CALCULATION OF REGISTRATION FEE**

<b>Title of Securities to be Registered</b>	<b>Proposed Maximum Offering Price</b>			
	<b>Proposed Maximum Amount to be Registered (1)</b>	<b>per Share (2)</b>	<b>Aggregate Offering Price</b>	<b>Amount of Registration Fee</b>
Common Stock \$0.01 par value per share	100,000	\$39.13	\$3,913,000	\$503.99

- (1) This Registration Statement on Form S-8 covers 100,000 shares of common stock, par value \$0.01 per share (the Common Stock ), of Medidata Solutions, Inc. reserved for issuance under the Medidata Solutions, Inc. Amended and Restated 2014 Employee Stock Purchase Plan (the Plan ).
- (2) Estimated in accordance with Rules 457(c) and (h) under the Securities Act solely for the purpose of calculating the registration fee. The computation is based upon 85% (see explanation in following sentence) of the average of the high and low prices of the Common Stock as reported on the Nasdaq Global Select Market on August 18, 2014. Pursuant to the Plan, the purchase price of a share of Common Stock is an amount equal to 85% of the Fair Market Value of a share of Common Stock on the first day of the Offering Period or the Purchase Date (as such terms are defined in the Plan), whichever is lower.

## **EXPLANATORY NOTE**

This Registration Statement on Form S-8 relates to the registration of an additional 100,000 shares of common stock, par value \$0.01 per share ( Common Stock ) of Medidata Solutions, Inc., or the Registrant, for future issuance under the Medidata Solutions, Inc. Amended and Restated 2014 Employee Stock Purchase Plan (the Plan ). In accordance with General Instruction E to Form S-8, the contents of the previous Registration Statement on Form S-8 related to the Plan (Commission File No. 333-192861, filed on December 13, 2013 with the Securities and Exchange Commission) are incorporated herein by reference and made part of this Registration Statement, except as amended hereby. At the Annual Meeting held on May 28, 2014, the Registrant's stockholders voted to approve the Plan, which amends and restates the Registrant's 2013 Employee Stock Purchase Plan to increase the number of shares of Common Stock that may be issued thereunder from 200,000 to 300,000.

## **PART II**

### **INFORMATION REQUIRED IN THE REGISTRATION STATEMENT**

#### **Item 3. Incorporation of Documents by Reference.**

The Registrant hereby incorporates by reference into this Registration Statement the following documents and information previously filed with the Commission:

- i. the Registrant's annual report on Form 10-K for the fiscal year ended December 31, 2013 filed on February 25, 2014;
- ii. the Registrant's quarterly reports on Form 10-Q for the quarters ended March 31, 2014 and June 30, 2014, filed on April 30, 2014 and August 7, 2014, respectively;
- iii. the Registrant's current reports on Form 8-K filed on February 13, 2014 (under Item 5.02), May 30, 2014 (under Item 5.07) July 8, 2014 (under Items 5.02 and 9.01) and July 9, 2014 (under Items 5.02 and 9.01); and
- iv. the description of the Registrant's Common Stock contained in its Registration Statement on Form 8-A (File No. 001-34283) filed with the Commission on June 19, 2009, pursuant to Section 12(b) of the Securities Exchange Act of 1934, as amended, including any amendment or report filed for the purpose of updating such description.

All documents filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Securities Exchange Act of 1934, as amended (other than Current Reports on Form 8-K furnished pursuant to Item 2.02 or Item 7.01 of Form 8-K, including any exhibits included with such information, unless otherwise indicated therein), subsequent to the date of this Registration Statement and prior to the filing of a post-effective amendment that indicates that all securities offered have been sold or that deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference herein and to be a part hereof from the date of filing of such documents.

Any statement contained in this Registration Statement or in a document incorporated or deemed to be incorporated herein by reference shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any subsequently filed document which also is, or is deemed to be, incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

**Item 8. Exhibits.**

Exhibit		Filed		
Number	Exhibit Title	Herewith	Incorporated by Reference	
			Form	File No. Date Filed
4.1	Fifth Amended and Restated Certificate of Incorporation		10-Q	001-34387 8/7/14
4.2	Amended and Restated Bylaws		S-1/A	333-156935 6/3/09
4.3	Specimen stock certificate		S-1/A	333-156935 6/3/09
5.1	Opinion of Fulbright & Jaworski LLP regarding legality of securities being registered	X		
23.1	Consent of Deloitte & Touche LLP, independent registered public accounting firm	X		
23.2	Consent of Fulbright & Jaworski LLP (filed as part of Exhibit 5.1)	X		
24.1	Powers of Attorney (included on signature page)	X		
99.1	Amended and Restated 2014 Employee Stock Purchase Plan	X		

## SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of New York, State of New York, on August 20, 2014.

MEDIDATA SOLUTIONS, INC.

By: /s/ MICHAEL I. OTNER  
Michael I. Otner  
*Executive Vice President*  
*General Counsel and Secretary*

## POWER OF ATTORNEY

We, the undersigned officers and directors of Medidata Solutions, Inc., hereby severally constitute and appoint Tarek A. Sherif, Cory Douglas, Michael I. Otner and Kathryn E. Schneider, and each of them singly (with full power to each of them to act alone), our true and lawful attorneys-in-fact and agents, with full power of substitution and re-substitution in each of them for him and in his name, place and stead, and in any and all capacities, to sign any and all amendments (including post-effective amendments) to this Registration Statement, and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite or necessary to be done in and about the premises, as full to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them, or their or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
/s/ TAREK A. SHERIF	Chairman, Chief Executive Officer	August 20, 2014
Tarek A. Sherif	<i>(Principal Executive Officer)</i> and Director	
/s/ CORY A. DOUGLAS	Chief Financial Officer	August 20, 2014
Cory A. Douglas	<i>(Principal Financial Officer)</i>	
/s/ DAVID COLISTRA	Chief Accounting Officer	August 20, 2014
David Colistra	<i>(Principal Accounting Officer)</i>	
/s/ GLEN M. DE VRIES	Director	August 20, 2014
Glen M. de Vries		

/s/ CARLOS DOMINGUEZ

Director

August 20, 2014

Carlos Dominguez

/s/ NEIL M. KURTZ , M.D.

Director

August 20, 2014

Neil M. Kurtz, M.D.

/s/ GEORGE W. McCULLOCH

Director

August 20, 2014

George W. McCulloch

/s/ LEE A. SHAPIRO

Director

August 20, 2014

Lee A. Shapiro

/s/ ROBERT B. TAYLOR

Director

August 20, 2014

Robert B. Taylor



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**EXHIBIT INDEX**

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