

This is the request that I am about to execute in Swagger in this order.

The screenshot shows the Swagger UI interface in a web browser. The URL bar indicates the endpoint is `qaacademy.int.devsmm.com/swagger/index.html`. The interface is for a **POST** request to `/api/Suppliers`. There are no parameters defined for this endpoint. The request body is set to `application/json-patch+json`. The body contains a JSON object with the following fields: `address`, `city`, `companyName`, `contactName`, `contactTitle`, `country`, `fax`, `homePage`, `phone`, `postalCode`, and `region`. At the bottom, there are **Execute** and **Clear** buttons.

Swagger UI

← → ↻ 🏠 qaacademy.int.devsmm.com/swagger/index.html

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POST /api/Suppliers

Parameters Cancel

No parameters

Request body application/json-patch+json

```
{
  "address": "Elenovo6",
  "city": "Blagoevgrad",
  "companyName": "Viktoria",
  "contactName": "Viktoria",
  "contactTitle": "Viktoria",
  "country": "Bulgaria",
  "fax": "0000",
  "homePage": "V",
  "phone": "0000",
  "postalCode": "2700",
  "region": "Blagoevgrad"
}
```

Execute Clear

Type here to search 31°C 13:48 1.7.2021

This is the result for my request.

Swagger UI

qaacademy.int.devsmm.com/swagger/index.html

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Responses

Curl

```
curl -X POST "https://qaacademy.int.devsmm.com/api/Suppliers" -H "accept: text/plain" -H "Authorization: bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiJROVNIcnZpY2VBY2Nlc3Nub2t1biIsImp0aSI6IjU4NjIxNzgxLTNiMjktNDJjNi05ZGMzLWJjNmYyY3ODFmZCI6Im1hdCI6IjcvMS8yMDIxIDEwOjI2OjUxIEFNTiwiSWQiOiI2NjI2NyIsIkZpcnN0TmFtZSI6InN0cmLuZyIsIkxhc3R0YW11Ijoic3RyaW5nIiwiaXNlc3h1bWUiOiJzdHJpbmciLCJFbWVpbCI6InN0cmLuZyIsImV4cCI6MTYyNTIyMTYxM5wiaXNzIjoieUUEtQXV0aC1TZXJ2ZXIiLCJhdWQiOiJDbG1bnQifQ.81cl715vjfeEXZ-L0pxr2eI8p4M8FZiDhTCMU2mmVuk" -H "Content-Type: application/json-patch+json" -d '{"address":"Elenovo6","city":"Blagoevgrad","companyName":"Viktoria","contactName":"Viktoria","contactTitle":"Viktoria","country":"Bulgaria","fax":"0000","homePage":"V","phone":"0000","postalCode":"2700","region":"Blagoevgrad"}'
```

Request URL

https://qaacademy.int.devsmm.com/api/Suppliers

Server response

Code	Details
201	Response body

Undocumented

```
{  "address": "Elenovo6",  "city": "Blagoevgrad",  "companyName": "Viktoria",  "contactName": "Viktoria",  "contactTitle": "Viktoria",  "country": "Bulgaria",  "fax": "0000",  "homePage": "V",  "phone": "0000",  "postalCode": "2700",  "products": [],  "region": "Blagoevgrad",  "supplierId": 66}
```

Download

Type here to search

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Cancel

(path)

66

Clear

Curl

[illegible]

<https://qaacademy.int.devsmm.com/api/Suppliers/66>

Swagger UI

qaacademy.int.devsmm.com/swagger/index.html

Apps (2) Facebook ftk moodle fpmi moodle oip lekciq pik lekciq abv tus Отбop TY Free Online Diagrama... Книга "Основи на... KNIGA angl Reading

MyIsIkZpcnN0TmFtZSI6InN0cm1uZyIsIloxhc3R0YW11Ijoic3RyaW5nIiwivXN1ck5hbWUiOiJzdHJpbmciLCJFbWpjbCI6InN0cm1uZyIsImV4cCI6MTYyNTIyMTYxMSwiaXNzIjoiiUUEtQXV0aC1TZXJ2ZXIiLCJhdWQiOiJDbG11bnQifQ.81cL715vjfeEXZ-L0pxr2eI8p4M8FZiDhTCMU2wmVUK"

Request URL

https://qaacademy.int.devsmm.com/api/Suppliers/66

Server response

Code

Details

200

Response body

```
{
  "address": "Elenovo6",
  "city": "Blagoevgrad",
  "companyName": "Viktoria",
  "contactName": "Viktoria",
  "contactTitle": "Viktoria",
  "country": "Bulgaria",
  "fax": "0000",
  "homePage": "V",
  "phone": "0000",
  "postalCode": "2700",
  "products": [],
  "region": "Blagoevgrad",
  "supplierId": 66
}
```

Download

Response headers

```
api-supported-versions: 1.0
connection: keep-alive
content-encoding: gzip
content-type: application/json; charset=utf-8
date: Thu, 01 Jul 2021 11:09:39 GMT
server: nginx
transfer-encoding: chunked
vary: Accept-Encoding
```

Now I am going to insert the same request in our data base in the Suppliers table and the data is going to be in the same order as in Swagger.

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the Object Explorer shows the 'Northwind' database structure, including tables like 'Suppliers'. The main pane shows a SQL query window with the following code:

```
insert into Suppliers
values ('Elenovo6', 'Blagoevgrad', 'Viktoria', 'Viktoria', 'Viktoria', 'Bulgaria', '0000', 'V', '0000', '2700', 'Blagoevgrad', '66')

select *
from Suppliers
order by CompanyName
```

The query execution failed, resulting in an error message in the Messages pane:

```
Msg 8101, Level 16, State 1, Line 1
An explicit value for the identity column in table 'Suppliers' can only be specified when a column list is used and IDENTITY_INSERT is ON.

Completion time: 2021-07-01T13:55:59.4489851+03:00
```

The status bar at the bottom indicates: "Query completed with errors." and "FUJITSU\SQLEXPRESS (15.0 RTM) | FUJITSU\user (56) | Northwind | 00:00:00 | 0 rows".

The result when I try to insert the requests with the same SupplierId as in Swagger is error because this value is a primary key and its value must be unique.

Now I am going to try to insert the same request but without supplierid and I am going to show you if the request is successful.

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the 'Object Explorer' with the 'Northwind' database selected. The right pane shows the 'SQL Query 2.sql' window with the following SQL script:

```
insert into Suppliers
values ('Elenovo6', 'Blagoevgrad', 'Viktoria', 'Viktoria', 'Viktoria', 'Bulgaria', '0000', 'V', '0000', '2700', 'Blagoevgrad')

select *
from Suppliers
order by CompanyName
```

The 'Results' pane at the bottom shows the output of the query, displaying a list of suppliers. The row for 'Elenovo6' is highlighted in blue, indicating it was successfully inserted.

SupplierID	CompanyName	ContactName	ContactTitle	Address	City	Region	PostalCode	Country	Phone	Fax	HomePage
1	18	Aux joyeux ecclésiastiques	Guyline Nodier	Sales Manager	203, Rue des Francs-Bourgeois	Paris	75004	France	(1) 03.83.00.68	(1) 03.83.00.62	NULL
2	16	Bigfoot Breweries	Cheryl Saylor	Regional Account Rep.	3400 - 8th Avenue Suite 210	Bend	OR 97101	USA	(503) 555-9931	NULL	NULL
3	5	Cooperativa de Quesos 'Las Cabras'	Antonio del Valle Saavedra	Export Administrator	Calle del Rosal 4	Oviedo	Asturias 33007	Spain	(98) 598 76 54	NULL	NULL
4	31	Elenovo6	Blagoevgrad	Viktoria	Viktoria	Bulgaria	0000	V	0000	2700	Blagoevgrad
5	27	Escargots Nouveaux	Marie Delamare	Sales Manager	22, rue H. Voiron	Montceau	71300	France	85.57.00.07	NULL	NULL
6	1	Exotic Liquids	Charlotte Cooper	Purchasing Manager	49 Gilbert St.	London	EC1 4SD	UK	(171) 555-2222	NULL	NULL
7	14	Formaggi Fortini s.r.l.	Elio Rossi	Sales Representative	Viale Dante, 75	Ravenna	48100	Italy	(0544) 60323	(0544) 60603	#FORMAGGI.HTM
8	29	Fonts d'Abrilles	Chantal Goulet	Accounting Manager	148 rue Chasseur	Ste-Hyacinthe	Québec J2S 7S8	Canada	(514) 555-2955	(514) 555-2921	NULL
9	28	Gai peturage	Blane Noz	Sales Representative	Bat. B 3, rue des Alpes	Annecy	74000	France	38.76.98.06	38.76.98.58	NULL
10	24	G'day, Mate	Wendy Mackenzie	Sales Representative	170 Prince Edward Parade Hunter's Hill	Sydney	NSW 2042	Australia	(02) 555-5914	(02) 555-4873	G'day Mate (on the
11	3	Grandma Kelly's Homestead	Regina Murphy	Sales Representative	707 Oxford Rd.	Ann Arbor	MI 48104	USA	(313) 555-5735	(313) 555-3349	NULL
12	11	Helj Suurhnen GmbH & Co. KG	Petra Winkler	Sales Manager	TiergartenstraRe 5	Berlin	10785	Germany	(010) 9984510	NULL	NULL
13	23	Karkki Oy	Anne Heikkonen	Product Manager	Valkatu 12	Lappeenranta	53120	Finland	(953) 10956	NULL	NULL
14	20	Leka Trading	Chandra Leka	Owner	471 Serangoon Loop, Suite #402	Singapore	0512	Singapore	555-8787	NULL	NULL
15	21	LyngbySilid	Niels Petersen	Sales Manager	LyngbySilid Fiskebakken 10	Lyngby	2800	Denmark	43844108	43844115	NULL
16	25	Ma Maison	Jean-Guy Lauzon	Marketing Manager	2960 Rue St. Laurent	Montréal	Québec H1J 1C3	Canada	(514) 555-9022	NULL	NULL
17	6	Mayumi's	Mayumi Ohno	Marketing Representative	92 Setsuko Chuo-ku	Osaka	545	Japan	(06) 431-7877	NULL	Mayumi's (on the V
18	19	New England Seafood Cannery	Robb Merchant	Wholesale Account Agent	Order Processing Dept. 2100 Paul Revere Blvd.	Boston	MA 02134	USA	(617) 555-3267	(617) 555-3389	NULL

I can see that the data is in the data base but the order is mixed.

primary key; does not allow nulls

Column Name	Data Type	Allow Nulls
SupplierID	int	<input type="checkbox"/>
CompanyName	nvarchar(40)	<input type="checkbox"/>
ContactName	nvarchar(30)	<input checked="" type="checkbox"/>
ContactTitle	nvarchar(30)	<input checked="" type="checkbox"/>
Address	nvarchar(60)	<input checked="" type="checkbox"/>
City	nvarchar(15)	<input checked="" type="checkbox"/>
Region	nvarchar(15)	<input checked="" type="checkbox"/>
PostalCode	nvarchar(10)	<input checked="" type="checkbox"/>
Country	nvarchar(15)	<input checked="" type="checkbox"/>
Phone	nvarchar(24)	<input checked="" type="checkbox"/>
Fax	nvarchar(24)	<input checked="" type="checkbox"/>
HomePage	ntext	<input checked="" type="checkbox"/>

Column Properties

(General)

(Name) SupplierID

Allow Nulls No

Data Type int

Default Value or Binding

Table Designer

(General)

Now I rearranged the data in the order of the columns and they are correct.

```
values ('Viktoria', 'Viktoria', 'Viktoria', 'Elenovo6', 'Blagoevgrad', 'Blagoevgrad', '2700', 'Bulgaria', '0000', '0000', 'V')
```

```
select *  
from Suppliers  
order by SupplierID
```

100 %

	SupplierID	CompanyName	ContactName	ContactTitle	Address	City	Region	PostalCode	Country	Phone	Fax	HomePage
13	13	Nord-Ost-Fisch Handelsgesellschaft mbH	Sven Petersen	Coordinator Foreign Markets	Frahmredder 112a	Cuxhaven	NULL	27478	Germany	(04721) 8713	(04721) 8714	NULL
14	14	Fornaggi Fortini s.r.l.	Elio Rossi	Sales Representative	Viale Dante, 75	Ravenna	NULL	48100	Italy	(0544) 60323	(0544) 60603	#FORMAGGI.HTM#
15	15	Norske Meierier	Beate Vileid	Marketing Manager	Hatlevegen 5	Sandvika	NULL	1320	Norway	(0)2-953010	NULL	NULL
16	16	Bigfoot Breweries	Cheryl Saylor	Regional Account Rep.	3400 - 8th Avenue Suite 210	Bend	OR	97101	USA	(503) 555-9931	NULL	NULL
17	17	Svensk Sjfuda AB	Michael Bjum	Sales Representative	Brovallavagen 231	Stockholm	NULL	S-123 45	Sweden	08-123 45 67	NULL	NULL
18	18	Aux joyeux ecclésiastiques	Guyline Nodier	Sales Manager	203, Rue des Francs-Bourgeois	Paris	NULL	75004	France	(1) 03.83.00.68	(1) 03.83.00.62	NULL
19	19	New England Seafood Cannery	Robb Merchant	Wholesale Account Agent	Order Processing Dept. 2100 Paul Revere Blvd.	Boston	MA	02134	USA	(617) 555-3267	(617) 555-3389	NULL
20	20	Leka Trading	Chandra Leka	Owner	471 Serangoon Loop, Suite #402	Singapore	NULL	0512	Singap...	555-8787	NULL	NULL
21	21	Lyngbysild	Niels Petersen	Sales Manager	Lyngbysild Fiskebakken 10	Lyngby	NULL	2800	Denmark	43844108	43844115	NULL
22	22	Zaanse Snoepfabriek	Dirk Luchte	Accounting Manager	Verkoop Rijnweg 22	Zaandam	NULL	9999 ZZ	Netherl...	(12345) 1212	(12345) 1210	NULL
23	23	Karkki Oy	Anne Hekkonen	Product Manager	Valkatu 12	Lappeenr...	NULL	53120	Finland	(953) 10956	NULL	NULL
24	24	G'day, Mate	Wendy Mackenzie	Sales Representative	170 Prince Edward Parade Hunter's Hill	Sydney	NSW	2042	Australia	(02) 555-5914	(02) 555-4873	G'day Mate (on the W
25	25	Ma Maison	Jean-Guy Lauzon	Marketing Manager	2960 Rue St. Laurent	Montreal	Quebec	H1J 1C3	Canada	(514) 555-9022	NULL	NULL
26	26	Pasta Buttini s.r.l.	Giovanni Giudici	Order Administrator	Via dei Gelsomini, 153	Salemo	NULL	84100	Italy	(089) 6547665	(089) 6547667	NULL
27	27	Escargots Nouveaux	Marie Delamare	Sales Manager	22, rue H. Voiron	Montceau	NULL	71300	France	85.57.00.07	NULL	NULL
28	28	Gai peturage	Elane Noz	Sales Representative	Bat. B 3, rue des Alpes	Annecy	NULL	74000	France	38.76.98.06	38.76.98.58	NULL
29	29	Fonts d'irables	Chantal Goulet	Accounting Manager	148 rue Chasseur	Ste-Hyacin...	Quebec	J2S 7S8	Canada	(514) 555-2955	(514) 555-2921	NULL
30	35	Viktoria	Viktoria	Viktoria	Elenovo6	Blagoevgrad	Blago...	2700	Bulgaria	0000	0000	V

Query executed successfully.

FUJITSU/SQLEXPRESS (15.0 RTM) FUJITSU/user (53) Northwind 00:00:00 30 rows

Ready

Ln 30

Col 2

INS

15:39

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When I try to insert the same data, it adds successfully. (not correct result in a real project)

hw1222.sql - FUJITSU\SQLEXPRESS.Northwind (FUJITSU\user (54)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Northwind Execute

Object Explorer

Connect

FUJITSU\SQLEXPRESS (SQL Server 15.0.2000 - FUJITSU\user)

Databases

System Databases

Database Snapshots

Northwind

Database Diagrams

Tables

Views

External Resources

Synonyms

Programmability

Service Broker

Storage

Security

Security

Server Objects

Replication

PolyBase

Management

XEvent Profiler

hw1222.sql - FUJITSU\user (54) InstallNorthwind.sql... (FUJITSU\user (53))

```
insert into Suppliers
values ('Viktoria', 'Viktoria', 'Viktoria', 'Elenovo6', 'Blagoevgrad', 'Blagoevgrad', '2700', 'Bulgaria', '0000', '0000', 'V')

select
from Suppliers
order by SupplierID
```

100 %

Results Messages

	SupplierID	CompanyName	ContactName	ContactTitle	Address	City	Region	PostalCode	Country	Phone	Fax	HomePage
14	14	Fornaggi Fortini s.r.l.	Elio Rossi	Sales Representative	Viale Dante, 75	Ravenna	NULL	48100	Italy	(0544) 60323	(0544) 60603	#FORMAGGI.HTM#
15	15	Norske Meierier	Beate Vileid	Marketing Manager	Hatlevegen 5	Sandvika	NULL	1320	Norway	(0)2-953010	NULL	NULL
16	16	Bigfoot Breweries	Cheryl Saylor	Regional Account Rep.	3400 - 8th Avenue Suite 210	Bend	OR	97101	USA	(503) 555-9931	NULL	NULL
17	17	Svensk Sjöfuda AB	Michael Björn	Sales Representative	Brovallavägen 231	Stockholm	NULL	S-123 45	Sweden	08-123 45 67	NULL	NULL
18	18	Aux joyeux ecclésiastiques	Guyline Nodier	Sales Manager	203, Rue des Francs-Bourgeois	Paris	NULL	75004	France	(1) 03.83.00.68	(1) 03.83.00.62	NULL
19	19	New England Seafood Cannery	Robb Merchant	Wholesale Account Agent	Order Processing Dept. 2100 Paul Revere Blvd.	Boston	MA	02134	USA	(617) 555-3267	(617) 555-3389	NULL
20	20	Leka Trading	Chandra Leka	Owner	471 Serangoon Loop, Suite #402	Singapore	NULL	0512	Singap...	555-8787	NULL	NULL
21	21	Lyngbysild	Niels Petersen	Sales Manager	Lyngbysild Fiskebakken 10	Lyngby	NULL	2800	Denmark	43844108	43844115	NULL
22	22	Zaanse Snoepfabriek	Dirk Luchte	Accounting Manager	Verkoop Rijnweg 22	Zaandam	NULL	9999 ZZ	Netherl...	(12345) 1212	(12345) 1210	NULL
23	23	Karkki Oy	Anne Heikkinen	Product Manager	Valkatu 12	Lappeenr...	NULL	53120	Finland	(953) 10956	NULL	NULL
24	24	G'day, Mate	Wendy Mackenzie	Sales Representative	170 Prince Edward Parade Hunter's Hill	Sydney	NSW	2042	Australia	(02) 555-5914	(02) 555-4873	G'day Mate (on the W
25	25	Ma Maison	Jean-Guy Lauzon	Marketing Manager	2960 Rue St. Laurent	Montreal	Quibec	H1J 1C3	Canada	(514) 555-9022	NULL	NULL
26	26	Pasta Buttini s.r.l.	Giovanni Giudici	Order Administrator	Via dei Gelsomini, 153	Salemo	NULL	84100	Italy	(089) 6547665	(089) 6547667	NULL
27	27	Escargots Nouveaux	Marie Delamare	Sales Manager	22, rue H. Voiron	Montceau	NULL	71300	France	85.57.00.07	NULL	NULL
28	28	Gai péturage	Eliane Noz	Sales Representative	Bat. B 3, rue des Alpes	Annecy	NULL	74000	France	38.76.98.06	38.76.98.58	NULL
29	29	Fonts d'Arables	Chantal Goulet	Accounting Manager	148 rue Chasseur	Ste-Hyacin...	Quibec	J2S 7S8	Canada	(514) 555-2955	(514) 555-2921	NULL
30	35	Viktoria	Viktoria	Viktoria	Elenovo6	Blagoevgrad	Blago...	2700	Bulgaria	0000	0000	V
31	36	Viktoria	Viktoria	Viktoria	Elenovo6	Blagoevgrad	Blago...	2700	Bulgaria	0000	0000	V

Query executed successfully.

FUJITSU\SQLEXPRESS (15.0 RTM) FUJITSU\user (54) Northwind 00:00:00 31 rows

Ln 6 Col 20 Ch 20 INS

Ready

17:46 2.7.2021 r.

And when I try it in Swagger – there is an error.

This is the expected result if the DB and Swagger are connected and we should expect error in the DB as well. (not just adding it with different ID))

The screenshot shows the Swagger UI interface in a web browser. The URL bar indicates the endpoint is `qaacademy.int.devsmm.com/swagger/index.html`. The interface displays a REST client request for a `POST` operation on the `/api/Suppliers` endpoint. The request body is a JSON object representing a supplier:

```
{
  "address": "Elenovo 6b",
  "city": "Blagoevgrad",
  "companyName": "Viktoria",
  "contactName": "Viktoria",
  "contactTitle": "Viktoria",
  "country": "Bulgaria",
  "fax": "0000",
  "homePage": "V",
  "phone": "0000",
  "postalCode": "2700",
  "region": "Blagoevgrad"
}
```

Below the request body, there are buttons for `Execute` and `Clear`. The `Execute` button has been clicked, resulting in a `409 Conflict` error response. The response body is `Item already exists!`. The response headers are:

```
api-supported-versions: 1.0
connection: keep-alive
content-length: 20
content-type: text/plain; charset=utf-8
date: Fri, 02 Jul 2021 14:49:21 GMT
server: nginx
x-powered-by: ASP.NET
```

The interface also shows a `Curl` section with the corresponding curl command and a `Request URL` section with the endpoint `https://qaacademy.int.devsmm.com/api/Suppliers`. At the bottom, there is a table with columns `Code`, `Description`, and `Links`.