SC-C232-PC02

ECommerce_data

Server SC-C232-PC02

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db_securityadmin	
public	

■ SC-C232-PC02

Databases (1)

• ECommerce_data

Server Properties

Property	Value
Product	Microsoft SQL Server
Version	15.0.2000.5
Language	Anglais (États-Unis)
Platform	NT x64
Edition	Developer Edition (64-bit)
Engine Edition	3 (Enterprise)
Processors	6
OS Version	6.3 (18363)
Physical Memory	16166
Is Clustered	False
Root Directory	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL
Collation	French_CI_AS

Server Settings

Property	Value
Default data file path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\
Default backup file path	C:\Program Files\Microsoft SQL Server\MSSQL15,MSSQLSERVER\MSSQL\Backup
Default log file path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\
Recovery Interval (minutes)	0
Default index fill factor	0
Default backup media retention	0
Compress Backup	False

Advanced Server Settings

Property	Value
Locks	0
Nested triggers enabled	True

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Allow triggers to fire others	True
Default language	English
Network packet size	4096
Default fulltext language LCID	1033
Two-digit year cutoff	2049
Remote login timeout	10
Cursor threshold	-1
Max text replication size	65536
Parallelism cost threshold	5
Max degree of parallelism	6
Min server memory	16
Max server memory	2147483647
Scan for startup procs	False
Transform noise words	False
CLR enabled	False
Blocked process threshold	0
Filestream access level	False
Optimize for ad hoc workloads	False
CLR strict security	True

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☐ User databases

Databases (1)

• ECommerce_data

\blacksquare ECommerce_data Database

Database Properties

Property	Value
SQL Server Version	Max
Compatibility Level	Max
Last backup time	-
Last log backup time	-
Creation date	Nov 24 2021
Users	4
Database Encryption Enabled	False
Database Encryption Algorithm	None
Database size	30.00 MB
Unallocated space	16.29 MB

Database Options

Property	Value
Compatibility Level	150
Database collation	French_CI_AS
Restrict access	MULTI_USER
Is read-only	False
Auto close	False
Auto shrink	False
Database status	ONLINE
In standby	False
Cleanly shutdown	True
Supplemental logging enabled	False
Snapshot isolation state	OFF
Read committed snapshot on	False
Recovery model	FULL
Page verify option	CHECKSUM
Auto create statistics	True
Auto update statistics	True
Auto update statistics asynchronously	False
ANSI NULL default	False
ANSI NULL enabled	False
ANSI padding enabled	False

ANSI warnings enabled	False
Arithmetic abort enabled	False
Concatenating NULL yields NULL	False
Numeric roundabort enabled	False
Quoted Identifier On	False
Recursive triggers enabled	False
Close cursors on commit	False
Local cursors by default	False
Fulltext enabled	True
Trustworthy	False
Database chaining	False
Forced parameterization	False
Master key encrypted by server	False
Published	False
Subscribed	False
Merge published	False
Is distribution database	False
Sync with backup	False
Service broker GUID	e1215829-213c-400e-8fca-c9758086a873
Service broker enabled	False
Log reuse wait	NOTHING
Date correlation	False
CDC enabled	False
Encrypted	False
Honor broker priority	False
Default language	English
Default fulltext language LCID	1033
Nested triggers enabled	True
Transform noise words	False
Two-digit year cutoff	2049
Containment	NONE
Target recovery time	60
Database owner	CPNV\Jeffrey.MVUTU-MABILA

Files

Name	Туре	Size	Maxsize	Autogrowth	File Name
ECommerce_data	Data	20.00 MB	50.00 MB	1.00 MB	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\ MSSQL\DATA\ECommerce_data.m df
ECommerce_data_log	Log	10.00 MB	20.00 MB	1.00 MB	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\

	MSSQL\DATA\ECommerce_data_lo q.ldf
	9

■ Tables

Objects

Name
dbo.customer_categories
dbo.customers
dbo.customers_receive_promotions
dbo.order_states
dbo.orders
dbo.orders_contain_products
dbo.orders_have_order_states
dbo.product_categories
dbo.products
dbo.promotions

[dbo].[customer_categories]

Properties

Property	Value
Collation	French_CI_AS
Row Count (~)	21
Created	16:04:30 mercredi, 1 décembre 2021
Last Modified	13:04:21 mercredi, 8 décembre 2021

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK C	id	int	4	NOT NULL	1 - 1
	name	nvarchar(45)	90	NULL allowed	

Indexes

Key	Name	Key Columns	Unique
PK	PK_customer_categories	id	True

Foreign Keys

Name	Columns
FK_customer_categories_customer_categories	id->[dbo].[customer_categories].[id]

```
CREATE TABLE [dbo].[customer_categories]

(
[id] [int] NOT NULL IDENTITY(1, 1),
[name] [nvarchar] (45) COLLATE French_CI_AS NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[customer_categories] ADD CONSTRAINT [PK_customer_categories] PRIMARY

KEY CLUSTERED ([id]) ON [PRIMARY]

GO

ALTER TABLE [dbo].[customer_categories] ADD CONSTRAINT

[FK_customer_categories_customer_categories] FOREIGN KEY ([id]) REFERENCES

[dbo].[customer_categories] ([id])

GO
```

Used By	
[dbo].[customers]	

Project > SC-C232-PC02 > User databases > ECommerce_data > Tables > dbo.customer_categories

[dbo].[customers]

Properties

Property	Value
Collation	French_CI_AS
Row Count (~)	70
Created	16:04:30 mercredi, 1 décembre 2021
Last Modified	16:04:31 mercredi, 1 décembre 2021

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PKC	id	int	4	NOT NULL	1 - 1
	firstname	nchar(50)	100	NULL allowed	
	lastname	nchar(50)	100	NULL allowed	
	inscriptionDate	date	3	NULL allowed	
FX	customer_category_id	int	4	NULL allowed	

Indexes

Key	Name	Key Columns	Unique
PK	PK_customers	id	True

Foreign Keys

Name	Columns
FK_customers_customer_categories	customer_category_id->[dbo].[customer_categories].[id]

```
CREATE TABLE [dbo].[customers]

(
[id] [int] NOT NULL IDENTITY(1, 1),

[firstname] [nchar] (50) COLLATE French_CI_AS NULL,

[lastname] [nchar] (50) COLLATE French_CI_AS NULL,

[inscriptionDate] [date] NULL,

[customer_category_id] [int] NULL

) ON [PRIMARY]
```

Project > SC-C232-PC02 > User databases > ECommerce_data > Tables > dbo.customers

```
GO
ALTER TABLE [dbo].[customers] ADD CONSTRAINT [PK_customers] PRIMARY KEY CLUSTERED
([id]) ON [PRIMARY]
GO
ALTER TABLE [dbo].[customers] ADD CONSTRAINT [FK_customers_customer_categories] FOREIGN
KEY ([customer_category_id]) REFERENCES [dbo].[customer_categories] ([id])
GO
```

Uses

[dbo].[customer_categories]

Used By

[dbo].[customers_receive_promotions] [dbo].[orders]

[dbo].[customers_receive_promotions]

Properties

Property	Value
Row Count (~)	63
Created	16:04:31 mercredi, 1 décembre 2021
Last Modified	16:04:31 mercredi, 1 décembre 2021

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK	id	int	4	NOT NULL	1 - 1
FK	customer_id	int	4	NULL allowed	
FK	promotion_id	int	4	NULL allowed	

Indexes

Key	Name	Key Columns	Unique
PK	PK_customers_receive_promotions	id	True

Foreign Keys

Name	Columns
FK_customers_receive_promotions_customers	customer_id->[dbo].[customers].[id]
FK_customers_receive_promotions_promotions	promotion_id->[dbo].[promotions].[id]

```
CREATE TABLE [dbo].[customers_receive_promotions]

(
[id] [int] NOT NULL IDENTITY(1, 1),

[customer_id] [int] NULL,

[promotion_id] [int] NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[customers_receive_promotions] ADD CONSTRAINT

[PK_customers_receive_promotions] PRIMARY KEY CLUSTERED ([id]) ON [PRIMARY]

GO

ALTER TABLE [dbo].[customers_receive_promotions] ADD CONSTRAINT

[FK_customers_receive_promotions_customers] FOREIGN KEY ([customer_id]) REFERENCES
```

Project > SC-C232-PC02 > User databases > ECommerce_data > Tables > dbo.customers_receive_promotions

```
[dbo].[customers] ([id])

GO

ALTER TABLE [dbo].[customers_receive_promotions] ADD CONSTRAINT

[FK_customers_receive_promotions_promotions] FOREIGN KEY ([promotion_id]) REFERENCES
[dbo].[promotions] ([id])

GO
```

Uses

[dbo].[customers] [dbo].[promotions]

[dbo].[order_states]

Properties

Property	Value
Collation	French_CI_AS
Row Count (~)	28
Created	16:04:30 mercredi, 1 décembre 2021
Last Modified	16:04:31 mercredi, 1 décembre 2021

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK C	id	int	4	NOT NULL	1 - 1
	name	nchar(30)	60	NULL allowed	

Indexes

Key	Name	Key Columns	Unique
PK	PK_order_states	id	True

SQL Script

```
CREATE TABLE [dbo].[order_states]

(
[id] [int] NOT NULL IDENTITY(1, 1),
[name] [nchar] (30) COLLATE French_CI_AS NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[order_states] ADD CONSTRAINT [PK_order_states] PRIMARY KEY CLUSTERED

([id]) ON [PRIMARY]

GO
```

Used By

[dbo].[orders_have_order_states]

[dbo].[orders]

Properties

Property	Value
Collation	French_CI_AS
Row Count (~)	0
Created	16:04:30 mercredi, 1 décembre 2021
Last Modified	16:04:31 mercredi, 1 décembre 2021

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK	id	int	4	NOT NULL	1 - 1
	orderRefNo	varchar(20)	20	NULL allowed	
	date	datetime	8	NULL allowed	
F	customer_id	int	4	NULL allowed	

Indexes

Key	Name	Key Columns	Unique
PK	PK_orders	id	True

Foreign Keys

Name	Columns
FK_orders_customers	customer_id->[dbo].[customers].[id]

```
CREATE TABLE [dbo].[orders]

(
[id] [int] NOT NULL IDENTITY(1, 1),
[orderRefNo] [varchar] (20) COLLATE French_CI_AS NULL,
[date] [datetime] NULL,
[customer_id] [int] NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[orders] ADD CONSTRAINT [PK_orders] PRIMARY KEY CLUSTERED ([id]) ON
[PRIMARY]

GO
```

Project > SC-C232-PC02 > User databases > ECommerce_data > Tables > dbo.orders

```
ALTER TABLE [dbo].[orders] ADD CONSTRAINT [FK_orders_customers] FOREIGN KEY
([customer_id]) REFERENCES [dbo].[customers] ([id])

GO
```

Uses

[dbo].[customers]

Used By

[dbo].[orders_contain_products]
[dbo].[orders_have_order_states]

[dbo].[orders_contain_products]

Properties

Property	Value
Row Count (~)	0
Created	16:04:31 mercredi, 1 décembre 2021
Last Modified	16:04:31 mercredi, 1 décembre 2021

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK	id	int	4	NOT NULL	1 - 1
FK	order_id	int	4	NULL allowed	
FK	product_id	int	4	NULL allowed	

Indexes

Key	Name	Key Columns	Unique
PK C	PK_orders_contain_products	id	True

Foreign Keys

Name	Columns
FK_orders_contain_products_orders	order_id->[dbo].[orders].[id]
FK_orders_contain_products_products	product_id->[dbo].[products].[id]

```
CREATE TABLE [dbo].[orders_contain_products]

(
[id] [int] NOT NULL IDENTITY(1, 1),

[order_id] [int] NULL,

[product_id] [int] NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[orders_contain_products] ADD CONSTRAINT [PK_orders_contain_products]

PRIMARY KEY CLUSTERED ([id]) ON [PRIMARY]

GO

ALTER TABLE [dbo].[orders_contain_products] ADD CONSTRAINT

[FK_orders_contain_products_orders] FOREIGN KEY ([order_id]) REFERENCES [dbo].[orders]
```

Project > SC-C232-PC02 > User databases > ECommerce_data > Tables > dbo.orders_contain_products

```
([id])

GO

ALTER TABLE [dbo].[orders_contain_products] ADD CONSTRAINT

[FK_orders_contain_products_products] FOREIGN KEY ([product_id]) REFERENCES

[dbo].[products] ([id])

GO
```

Uses

[dbo].[orders] [dbo].[products]

[dbo].[orders_have_order_states]

Properties

Property	Value
Row Count (~)	0
Created	16:04:31 mercredi, 1 décembre 2021
Last Modified	16:04:31 mercredi, 1 décembre 2021

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK	id	int	4	NOT NULL	1 - 1
F/2	order_id	int	4	NULL allowed	
FX	order_state_id	int	4	NULL allowed	
	date	datetime	8	NULL allowed	

Indexes

Key	Name	Key Columns	Unique	
PK	PK_orders_have_order_states	id	True	

Foreign Keys

Name	Columns	
FK_orders_have_order_states_order_states	order_state_id->[dbo].[order_states].[id]	
FK_orders_have_order_states_orders	order_id->[dbo].[orders].[id]	

```
CREATE TABLE [dbo].[orders_have_order_states]

(
[id] [int] NOT NULL IDENTITY(1, 1),

[order_id] [int] NULL,

[order_state_id] [int] NULL,

[date] [datetime] NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[orders_have_order_states] ADD CONSTRAINT

[PK_orders_have_order_states] PRIMARY KEY CLUSTERED ([id]) ON [PRIMARY]
```

Project > SC-C232-PC02 > User databases > ECommerce_data > Tables > dbo.orders_have_order_states

```
ALTER TABLE [dbo].[orders_have_order_states] ADD CONSTRAINT

[FK_orders_have_order_states_order_states] FOREIGN KEY ([order_state_id]) REFERENCES

[dbo].[order_states] ([id])

GO

ALTER TABLE [dbo].[orders_have_order_states] ADD CONSTRAINT

[FK_orders_have_order_states_orders] FOREIGN KEY ([order_id]) REFERENCES [dbo].[orders]

([id])

GO
```

Uses

[dbo].[order_states] [dbo].[orders]

[dbo].[product_categories]

Properties

Property	Value
Collation	French_CI_AS
Row Count (~)	29
Created	16:04:30 mercredi, 1 décembre 2021
Last Modified	16:04:30 mercredi, 1 décembre 2021

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK C	id	int	4	NOT NULL	1 - 1
	name	nvarchar(40)	80	NULL allowed	

Indexes

Key	Name	Key Columns	Unique
PK	PK_product_categories	id	True

SQL Script

```
CREATE TABLE [dbo].[product_categories]

(
[id] [int] NOT NULL IDENTITY(1, 1),

[name] [nvarchar] (40) COLLATE French_CI_AS NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[product_categories] ADD CONSTRAINT [PK_product_categories] PRIMARY

KEY CLUSTERED ([id]) ON [PRIMARY]

GO
```

Used By

[dbo].[products]

[dbo].[products]

Properties

Property	Value
Collation	French_CI_AS
Row Count (~)	51
Created	16:04:30 mercredi, 1 décembre 2021
Last Modified	16:04:31 mercredi, 1 décembre 2021

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK	id	int	4	NOT NULL	1 - 1
	brand	nvarchar(30)	60	NULL allowed	
	model	nvarchar(30)	60	NULL allowed	
	description	nvarchar(4000)	8000	NULL allowed	
	price	decimal(20,2)	13	NULL allowed	
	inventoryReceived	int	4	NULL allowed	
FK	product_category_id	int	4	NULL allowed	

Indexes

Key	Name	Key Columns	Unique
PK	PK_products	id	True

Foreign Keys

Name	Columns		
FK_products_product_categories	product_category_id->[dbo].[product_categories].[id]		

```
CREATE TABLE [dbo].[products]

(
[id] [int] NOT NULL IDENTITY(1, 1),

[brand] [nvarchar] (30) COLLATE French_CI_AS NULL,

[model] [nvarchar] (30) COLLATE French_CI_AS NULL,

[description] [nvarchar] (4000) COLLATE French_CI_AS NULL,
```

Project > SC-C232-PC02 > User databases > ECommerce_data > Tables > dbo.products

```
[price] [decimal] (20, 2) NULL,
[inventoryReceived] [int] NULL,
[product_category_id] [int] NULL
) ON [PRIMARY]
GO
ALTER TABLE [dbo].[products] ADD CONSTRAINT [PK_products] PRIMARY KEY CLUSTERED ([id])
ON [PRIMARY]
GO
ALTER TABLE [dbo].[products] ADD CONSTRAINT [FK_products_product_categories] FOREIGN
KEY ([product_category_id]) REFERENCES [dbo].[product_categories] ([id])
GO
```

Uses

[dbo].[product_categories]

Used By

[dbo].[orders_contain_products]

[dbo].[promotions]

Properties

Property	Value
Collation	French_CI_AS
Row Count (~)	28
Created	16:04:31 mercredi, 1 décembre 2021
Last Modified	16:04:31 mercredi, 1 décembre 2021

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK	id	int	4	NOT NULL	1 - 1
	name	nvarchar(45)	90	NULL allowed	
	percentSale	float	8	NULL allowed	
	startDate	datetime	8	NULL allowed	
	endDate	datetime	8	NULL allowed	

Indexes

Key	Name	Key Columns	Unique
PK	PK_promotions	id	True

```
CREATE TABLE [dbo].[promotions]

(
[id] [int] NOT NULL IDENTITY(1, 1),
[name] [nvarchar] (45) COLLATE French_CI_AS NULL,
[percentSale] [float] NULL,
[startDate] [datetime] NULL,
[endDate] [datetime] NULL
) ON [PRIMARY]

GO

ALTER TABLE [dbo].[promotions] ADD CONSTRAINT [PK_promotions] PRIMARY KEY CLUSTERED
([id]) ON [PRIMARY]

GO
```

Project > SC-C232-PC02 > User databases	> ECommerce_	_data > Tables	> dbo.promotions
---	--------------	----------------	------------------

Used By

[dbo].[customers_receive_promotions]

1 Users

Objects

Name	
dbo	
guest	



Properties

Property	Value
Туре	WindowsUser
Login Name	CPNV\Jeffrey.MVUTU-MABILA
Default Schema	dbo

Database Level Permissions

Туре	Action
CONNECT	Grant

SQL Script

GO



Properties

Property	Value
Туре	SqlUser
Default Schema	guest

SQL Script

GO

♣ Database Roles

Objects

Name
db_accessadmin
db_backupoperator
db_datareader
db_datawriter
db_ddladmin
db_denydatareader
db_denydatawriter
db_owner
db_securityadmin
public

db_accessadmin

Properties

Property	Value
Owner	dbo

db_backupoperator

Properties

Property	Value
Owner	dbo

♣ db_datareader

Properties

Property	Value
Owner	dbo

db_datawriter

Properties

Property	Value
Owner	dbo

nddladmin 🕰

Properties

Property	Value
Owner	dbo

db_denydatareader

Properties

Property	Value
Owner	dbo

db_denydatawriter

Properties

Property	Value
Owner	dbo

♣♣ db_owner

Properties

Property	Value
Owner	dbo

db_securityadmin

 $\label{local_project} \mbox{Project} > \mbox{SC-C232-PC02} > \mbox{User databases} > \mbox{ECommerce_data} > \mbox{Security} > \mbox{Roles} > \mbox{Database Roles} > \mbox{db_securityadmin}$

Properties

Property	Value
Owner	dbo

≗ public

Properties

Property	Value
Owner	dbo