(localdb)\mssqllocaldb Documentation

ADB Project DB

Server (localdb)\mssqllocaldb

Author Moust

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≡ (localdb)\mssqllocaldb

Databases (1)

ADB Project DB

Server Properties

Property	Value
Product	Microsoft SQL Server
Version	15.0.4153.1
Language	English (United States)
Platform	NT x64
Edition	Express Edition (64-bit)
Engine Edition	4 (Express)
Processors	8
OS Version	6.3 (19044)
Physical Memory	8057
Is Clustered	False
Collation	SQL_Latin1_General_CP1_CI_AS

Server Settings

Property	Value
Default data file path	C:\Users\Moust\
Default backup file path	C:\Users\Moust\
Default log file path	C:\Users\Moust\
Recovery Interval (minutes)	0
Default index fill factor	0
Default backup media retention	0

Advanced Server Settings

Property	Value
Locks	0
Nested triggers enabled	True
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	0
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

□ User databases	
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Databases (1)

Author: Moust

B ADB Project DB

■ ADB Project DB Database

Database Properties

Property	Value
SQL Server Version	SqlServer2019
Compatibility Level	SqlServer2019
Last backup time	-
Last log backup time	-
Creation date	Dec 19 2022
Users	4
Database Encryption Enabled	False
Database Encryption Algorithm	None
Database size	848.00 MB
Unallocated space	59.04 MB

Database Options

Property	Value
Compatibility Level	150
Database collation	SQL_Latin1_General_CP1_CI_AS
Restrict access	MULTI_USER
Is read-only	False
Auto close	True
Auto shrink	False
Database status	ONLINE
In standby	False
Cleanly shutdown	False
Supplemental logging enabled	False
Snapshot isolation state	OFF
Read committed snapshot on	False
Recovery model	SIMPLE
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 Quoted Identifier On Recursive triggers enabled Close cursors on commit Local cursors by default False Fulltext enabled True Trustworthy False Database chaining Forced parameterization Raster key encrypted by server Published Subscribed False Sync with backup False Service broker enabled True False Service broker enabled True Trustworthy False False Service broker enabled True Log reuse wait Date correlation False Encrypted False Encrypted False F		
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Forced parameterization Master key encrypted by server Published False Subscribed False Merge published False Sync with backup False Service broker GUID Service broker enabled Log reuse wait Log reuse wait CDC enabled False Encrypted False False False False NOTHING Default language Default fulltext language LCID True Transform noise words False Two-digit year cutoff Cottainment NONE Talse False	Trustworthy	False
Master key encrypted by server Published False Subscribed False Merge published False Is distribution database False Sync with backup False Service broker GUID Fgd570fd-72ae-49f7-aa28-5ec4182dc598 Service broker enabled True Log reuse wait NOTHING Date correlation False Encrypted False Encrypted False False False False False False False True Transform noise words False Two-digit year cutoff Containment NONE Target recovery time False	Database chaining	False
Published Subscribed False Subscribed False Merge published False Is distribution database False Sync with backup False Service broker GUID False Service broker enabled True Log reuse wait NOTHING Date correlation False Encrypted False Encrypted False Encrypted False Encrypted False False True Transform noise words False Two-digit year cutoff Containment Target recovery time False	Forced parameterization	False
Subscribed Merge published False Is distribution database Sync with backup False Service broker GUID Service broker enabled True Log reuse wait NOTHING Date correlation False Encrypted False Encrypted False English Default language Default fulltext language LCID True Transform noise words True Target recovery time False False False False False False English NOTHING False English Dosabled False English Toue Toue Transform noise words False Two-digit year cutoff ONNE	Master key encrypted by server	False
Merge published Is distribution database False Sync with backup False Service broker GUID Service broker enabled True Log reuse wait NOTHING Date correlation False Encrypted False Encrypted False False False False True Transform noise words True Target recovery time False False False False False False False False Fodd True True Transform of the priority False	Published	False
Is distribution database Sync with backup False Service broker GUID f9d570fd-72ae-49f7-aa28-5ec4182dc598 Service broker enabled True Log reuse wait NOTHING Date correlation False CDC enabled False Encrypted False Honor broker priority False Default language Default fulltext language LCID True Transform noise words False Two-digit year cutoff Containment NONE Target recovery time False	Subscribed	False
Sync with backup Service broker GUID Service broker enabled True Log reuse wait NOTHING Date correlation False Encrypted Honor broker priority Default language Default fulltext language LCID True Transform noise words Two-digit year cutoff Containment Target recovery time False False False ROTHING False NOTHING False NOTHING False NOTHING False NOTHING False NOTHING True True True False False False False Two-digit year cutoff NONE Target recovery time	Merge published	False
Service broker GUID Service broker enabled True Log reuse wait NOTHING Date correlation False CDC enabled Encrypted Honor broker priority Default language Default fulltext language LCID True Transform noise words Two-digit year cutoff Containment NONE Target recovery time Figure 1049 True True Findstar-49f7-aa28-5ec4182dc598 True False NOTHING NOTHING False False False False False False False 1049 60	Is distribution database	False
Service broker enabled 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 Two-digit year cutoff Containment NONE Target recovery time	Sync with backup	False
Log reuse wait Date correlation False CDC enabled False Encrypted False Honor broker priority False Default language English Default fulltext language LCID Nested triggers enabled True Transform noise words False Two-digit year cutoff Containment NONE Target recovery time	Service broker GUID	f9d570fd-72ae-49f7-aa28-5ec4182dc598
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	Service broker enabled	True
CDC enabled 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 Containment NONE Target recovery time	Log reuse wait	NOTHING
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	Date correlation	False
Honor broker priority Default language English Default fulltext language LCID 1033 Nested triggers enabled True Transform noise words False Two-digit year cutoff Containment NONE Target recovery time False 60	CDC enabled	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	Encrypted	False
Default fulltext language LCID Nested triggers enabled True Transform noise words False Two-digit year cutoff Containment NONE Target recovery time 1033 True 2049 60	Honor broker priority	False
Nested triggers enabled True Transform noise words False Two-digit year cutoff 2049 Containment NONE Target recovery time 60	Default language	English
Transform noise words Two-digit year cutoff Containment NONE Target recovery time False 2049 60	Default fulltext language LCID	1033
Two-digit year cutoff 2049 Containment NONE Target recovery time 60	Nested triggers enabled	True
Containment NONE Target recovery time 60	Transform noise words	False
Target recovery time 60	Two-digit year cutoff	2049
	Containment	NONE
Database owner MOSTAFA-PC\Moust	Target recovery time	60
	Database owner	MOSTAFA-PC\Moust

Files

Name	Туре	Size	Maxsize	Autogrowth	File Name
ADB Project DB	Data	520.00 MB	unlimited	64.00 MB	C:\Users\Moust\ADB Project DB.mdf
ADB Project DB_log	Log	328.00 MB	2048.00 GB	64.00 MB	C:\Users\Moust\ADB Project DB_log.ldf

■ Tables

Objects

Name
dbo.Department
dbo.Department_Location
dbo.Dependent
dbo.Employee
dbo.Project
dbo.Works_On

[dbo].[Department]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	1000000
Created	2:42:40 PM Monday, December 19, 2022
Last Modified	2:42:41 PM Monday, December 19, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
	Dname	varchar(15)	15	NOT NULL
PK C	Dnumber	int	4	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PK	PKDepartme40A4CC7AC4788F07	Dnumber	True

SQL Script

```
CREATE TABLE [dbo].[Department]
(
[Dname] [varchar] (15) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[Dnumber] [int] NOT NULL
) ON [PRIMARY]
GO
ALTER TABLE [dbo].[Department] ADD CONSTRAINT [PK_Departme_40A4CC7AC4788F07]
PRIMARY KEY CLUSTERED ([Dnumber]) ON [PRIMARY]
GO
```

Used By

Author: Moust

[dbo].[Department_Location] [dbo].[Employee] [dbo].[Project]

[dbo].[Department_Location]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	1000000
Created	2:42:41 PM Monday, December 19, 2022
Last Modified	2:42:41 PM Monday, December 19, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PKO FKO	Dnumber	int	4	NOT NULL
PK G	Diocation	varchar(15)	15	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PK	PKDepartme6D99F6BBFA4FC38C	Dnumber, Dlocation	True

Foreign Keys

Name	Delete	Columns
FK_Department_Location_Dnumber	Cascade	Dnumber->[dbo].[Department].[Dnumber]

SQL Script

```
CREATE TABLE [dbo].[Department_Location]

(
[Dnumber] [int] NOT NULL,
[Dlocation] [varchar] (15) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Department_Location] ADD CONSTRAINT [PK__-
Departme__6D99F6BBFA4FC38C] PRIMARY KEY CLUSTERED ([Dnumber], [Dlocation]) ON
[PRIMARY]

GO

ALTER TABLE [dbo].[Department_Location] ADD CONSTRAINT [FK_Department_Location_-
Dnumber] FOREIGN KEY ([Dnumber]) REFERENCES [dbo].[Department] ([Dnumber]) ON DELETE
CASCADE

GO
```

Uses			

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[dbo].[Department]

[dbo].[Dependent]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	1000000
Created	2:42:41 PM Monday, December 19, 2022
Last Modified	2:42:41 PM Monday, December 19, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PKO FKO	Essn	int	4	NOT NULL
PK C	Dependent_Name	varchar(15)	15	NOT NULL
	Sex	varchar(1)	1	NOT NULL
	Bdate	date	3	NOT NULL
	Relationship	varchar(15)	15	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PKP G	PKDependen8323DCDD80105584	Essn, Dependent_Name	True

Foreign Keys

Name	Delete	Columns
FK_Dependent_Essn	Cascade	Essn->[dbo].[Employee].[Ssn]

SQL Script

```
CREATE TABLE [dbo].[Dependent]

(
[Essn] [int] NOT NULL,

[Dependent_Name] [varchar] (15) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[Sex] [varchar] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[Bdate] [date] NOT NULL,

[Relationship] [varchar] (15) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Dependent] ADD CONSTRAINT [PK__Dependen__8323DCDD80105584]

PRIMARY KEY CLUSTERED ([Essn], [Dependent_Name]) ON [PRIMARY]

GO
```

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ALTER TABLE [dbo].[Dependent] ADD CONSTRAINT [FK_Dependent_Essn] FOREIGN KEY ([Essn]) REFERENCES [dbo].[Employee] ([Ssn]) ON DELETE CASCADE
GO

Uses

[dbo].[Employee]

[dbo].[Employee]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	1000000
Created	2:42:40 PM Monday, December 19, 2022
Last Modified	2:42:41 PM Monday, December 19, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
	Fname	varchar(15)	15	NOT NULL
	Minit	varchar(1)	1	NOT NULL
	Lname	varchar(15)	15	NOT NULL
PKP C	Ssn	int	4	NOT NULL
	Bdate	date	3	NOT NULL
	Address	varchar(20)	20	NOT NULL
	Sex	varchar(1)	1	NOT NULL
	Salary	int	4	NOT NULL
FK	Super_Ssn	int	4	NULL allowed
FK	Dno	int	4	NULL allowed

Indexes

Key	Name	Key Columns	Unique
PK G	PK_Employee_CA33E0E5C3C63849	Ssn	True

Foreign Keys

Name	Columns
FK_Employee_Dno	Dno->[dbo].[Department].[Dnumber]
FK_Employee_Super_Ssn	Super_Ssn->[dbo].[Employee].[Ssn]

SQL Script

```
CREATE TABLE [dbo].[Employee]

(
[Fname] [varchar] (15) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[Minit] [varchar] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[Lname] [varchar] (15) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
```

```
[Ssn] [int] NOT NULL,

[Bdate] [date] NOT NULL,

[Address] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[Sex] [varchar] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[Salary] [int] NOT NULL,

[Super_Ssn] [int] NULL,

[Dno] [int] NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Employee] ADD CONSTRAINT [PK_Employee_CA33E0E5C3C63849] PRIMARY

KEY CLUSTERED ([Ssn]) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Employee] ADD CONSTRAINT [FK_Employee_Dno] FOREIGN KEY ([Dno])

REFERENCES [dbo].[Department] ([Dnumber])

GO

ALTER TABLE [dbo].[Employee] ADD CONSTRAINT [FK_Employee_Super_Ssn] FOREIGN KEY

([Super_Ssn]) REFERENCES [dbo].[Employee] ([Ssn])

GO
```

Uses

[dbo].[Department]

Used By

[dbo].[Dependent] [dbo].[Works_On]

[dbo].[Project]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	1000000
Created	2:42:40 PM Monday, December 19, 2022
Last Modified	2:42:41 PM Monday, December 19, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
	Pname	varchar(15)	15	NULL allowed
PKP C	Pnumber	int	4	NOT NULL
	Plocation	varchar(15)	15	NULL allowed
FK	Dnum	int	4	NULL allowed

Indexes

Key	Name	Key Columns	Unique
PK	PKProjectBBE761DD3FDC0BE2	Pnumber	True

Foreign Keys

Name	Delete	Columns
FK_Project_Dnum	Cascade	Dnum->[dbo].[Department].[Dnumber]

SQL Script

```
CREATE TABLE [dbo].[Project]

(
[Pname] [varchar] (15) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Pnumber] [int] NOT NULL,
[Plocation] [varchar] (15) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Dnum] [int] NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Project] ADD CONSTRAINT [PK_Project_BBE761DD3FDC0BE2] PRIMARY

KEY CLUSTERED ([Pnumber]) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Project] ADD CONSTRAINT [FK_Project_Dnum] FOREIGN KEY ([Dnum])

REFERENCES [dbo].[Department] ([Dnumber]) ON DELETE CASCADE

GO
```

Uses		
[dbo].[Department]		
Used By		
[dbo].[Works_On]		

[dbo].[Works_On]

Properties

Property	Value
Row Count (~)	1000000
Created	2:42:40 PM Monday, December 19, 2022
Last Modified	2:42:41 PM Monday, December 19, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PKO C FKO	Essn	int	4	NOT NULL
PKC FK	Pno	int	4	NOT NULL
	Hours	int	4	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PK C	PKWorks_OnB65F9BE8D1ACDD57	Essn, Pno	True

Foreign Keys

Name	Delete	Columns
FK_Works_On_Essn	Cascade	Essn->[dbo].[Employee].[Ssn]
FK_Works_On_Pno	Cascade	Pno->[dbo].[Project].[Pnumber]

SQL Script

```
CREATE TABLE [dbo].[Works_On]

(
[Essn] [int] NOT NULL,
[Pno] [int] NOT NULL,
[Hours] [int] NOT NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Works_On] ADD CONSTRAINT [PK_Works_On_B65F9BE8D1ACDD57] PRIMARY

KEY CLUSTERED ([Essn], [Pno]) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Works_On] ADD CONSTRAINT [FK_Works_On_Essn] FOREIGN KEY ([Essn])

REFERENCES [dbo].[Employee] ([Ssn]) ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Works_On] ADD CONSTRAINT [FK_Works_On_Pno] FOREIGN KEY ([Pno])
```

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REFERENCES [dbo].[Project] ([Pnumber]) ON DELETE CASCADE

GO

Uses

[dbo].[Employee] [dbo].[Project]