(localdb)\mssqllocaldb Documentation

ADB Project DB

Server	(localdb)\mssqllocaldb
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Table of Contents

▤ *(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

Databases (1)

- 🗄 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	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	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	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	MOSTAFA-PC\Moust

Files

Name	Type	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 🔑C	PK__Departme__40A4CC7AC4788F07	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

[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
PK C FK	Dnumber	int	4	NOT NULL
PK C	Dlocation	varchar(15)	15	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PK C	PK__Departme__6D99F6BBFA4FC38C	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

[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
PK C FK	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
PK C	PK__Dependen__8323DCDD80105584	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
```

```
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
PK	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	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
PK 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 C	PK__Project__BBE761DD3FDC0BE2	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
PK FK	Essn	int	4	NOT NULL
PK FK	Pno	int	4	NOT NULL
	Hours	int	4	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PK	PK__Works_On__B65F9BE8D1ACDD57	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])
```

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

Uses

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