# TMS SQL資料庫從一個SQL Server遷移到另一個 SQL Server

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## 簡介

本文檔介紹如何將TMS SQL資料庫從一個SQL Server遷移到另一個SQL Server。

### 必要條件

### 需求

思科建議您瞭解以下主題:

- TMS(Cisco TelePresence Management Suite)
- •TMS工具
- SQL Server
- SQL Server Management Studio

### 採用元件

本文中的資訊係根據以下軟體和硬體版本:

- TMS 15.3
- SQL Server 2012
- SQL Server Management Studio

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除(預設))的組態來啟動。如果您的網路運作中,請確保您瞭解任何指令可能造成的影響。

## 背景資訊

您需要通過Console/RDP訪問TMS伺服器和具有系統管理員伺服器角色的**SQL帳**戶憑據。此過程最 少會停機1小時。

### 設定

請按照以下步驟操作,以成功將TMS SQL資料庫從一個SQL伺服器遷移到另一個SQL伺服器。

#### 網路圖表

以下映像提供遷移過程的示例:



#### 步驟1.停止TMS應用程式服務,包括IIS和WWW

要查詢和停止服務,請通過控制檯或RDP連線訪問TMS伺服器,並在**命令提示**中運行 services.msc命令。在服務清單中,找到下面的服務,然後按一下右鍵每個服務,以停止服務:

- TMSDatabaseScannerService
- TMSLiveService
- TMSPLCMDirectoryService
- TMSSchedulerService
- TMSServerDiagnosticsService
- TMSSnmpService
- 全球資訊網發佈服務(W3SVC)
- IISADMIN(可選)

**注意**:在繼續操作之前,請確保停止所有所需的服務。

#### 步驟2.從現有SQL Server備份TMSNG資料庫

要建立當前SQL資料庫的備份,請按照以下過程操作。

1.使用**sa**憑據登入到SQL Server Management Studio(或者使用對資料庫具有sysadmin訪問許可權 的憑據)。

2.找到要為其建立備份的資料庫(例如 <b>tmsng</b> 、	tmspe),	然後按一日	「右鍵該資料庫以選擇	「任務」	> <sup>г</sup>
備份」。					



3.開啟新視窗。必須刪除現有路徑並新增新路徑,新備份檔案將儲存在此路徑。備份型別應設定為 Full。

• 按一下Remove按鈕以移除現有路徑

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Select a page General	Sorpt + 🖸 Help				
22 <sup>4</sup> Optione	Source				
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docal/\TMS15_3	Destination				
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	a			5	Benove
Progress					
O Peedy					Contents
			1	OK	Cancel

• 按一下Add按鈕,為新的備份檔案新增路徑

elect the file or backup device for the backup destination. You ackup devices for frequently used files. estinations on disk <ul> <li>File name: iles\Microsoft SQL Server\MSSQL11.TMS15_3\MSSQL\B</li> </ul>	can create
estinations on disk	
File name:     Ides\Microsoft SQL Server\MSSQL11.TMS15_3\MSSQL\B	
	ackup\
O Backup device:	
	Y

#### • 導航到新位置並輸入檔名名稱。按一下OK U Locate Database Files - SQLSERVER\TMS15... x Select the file: 8- 🛄 C: Recycle Bin DATA 😟 🦾 DB Backups Documents and Settings PerLogs 🖲 🦾 Program Files 🛞 🧰 Program Files (x86) 🖹 Program Data Recovery (E) 🍅 System Volume Information 🖲 Users 🕑 Windows 🖲 Windows.old (# 🚞 D: C:\DB Backups Selected path: Backup Files("bak;"tm) Files of type: v Give Any name File name: (Eg: tmsng backup) Cancel OK

• 備份成功完成後,將彈出一條新消息

6	Back Up Database	- tmsng	- 0 X
Select a page	Stop - Die		
"" Opena	Source		
	Database:	Imang	Ψ)
	Recovery model	FULL	
	Backup type:	Fut .	*
	Copy-only Backup	27 C	- 181
	Backup component:		
	Outabase		
	O Res and flegroups:		2 50
	Backup set		
	Nane	nang-Full Database Backup	
	Description:		
	Microsoft SQL Server	Management Studio	×
Server focal/THST	The backup of database "Immig" completed success	ш,	
Connection: 25			x
Program			Penove
C Becking (1001)			Corterts.
			OK Canol

4.對TMSPE資料庫執行相同的過程(可選)。

#### 步驟3.將備份恢復到新的SQL Server

要將資料庫的備份應用到新的SQL Server,請執行以下過程。

**注意**:確保TMS伺服器和新SQL Server配置了相同的時間(時區)。

1.開啟SQL Server Management Studio並右鍵單擊「資料庫**」。**選擇「**還原**資料庫」,將開啟一個 新視窗。



2.您必須選擇一個源裝置。按一下Device欄位右側的按鈕,然後在新的彈出視窗中按一下Add。選 擇資料夾和備份檔案,然後按一下**確定**。

4.	R	estore Datab	ase -		= 0 X		
No backupset selected to be	e restored.						
Select a page P General Files P Options	Source © Detabase @ Detabase						
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#### 步驟4.將連線設定從舊SQL Server更改為新SQL Server

1.使用控制檯或RDP連線訪問TMS伺服器。

2.開啟TMS工具,然後導航至配置> Cisco TMS資料庫連線。

3.在Database Server\instance欄位中,必須輸入SQL Server的新連線詳細資訊。

#### • 更改舊SQL Server的連線詳細資訊之前的示例

cisco	TMS Tools					- B ×
Configuration	Security Settings	Utilities	Diagnostic Tools			
Cisco TMS	Database Connection		Use this dialog database.	g to change th	e connection :	settings that TMS uses to access the
Directory L	ocations		Database ServerVin	istance:	Port	
			SQLSERVER\TMS1	5.3	1433	
			Database Name: bmsng	<u> </u>		Old SQL server Instance Name
			Authentication: O Windows Aut SQL Server Au	hentication uthentication		Old SQL Server Hostname
			Usemame:	sa		
			Password.			
			Restart IIS and all out during verificati	TMS services for th on.	e changes to take	effect, and if the connection to Cisco TMS times
			SAVE			

#### • 更改到新SQL Server的連線詳細資訊後的示例

IIIII TMS Tools	
configuration Security Settings Utilities	Diagnostic Tools
Cisco TMS Database Connection Directory Locations	Use this dialog to change the connection settings that TMS uses to access the database. Database Seveninstance 10.106.80.781TMS15_3_LAB Database Name tmsng Authentication: Username: sa Username: sa Username: sa Username: sa
	Restart IIS and all TMS services for the changes to take effect, and if the connection to Cisco TMS times out during verification.

#### 步驟5.啟動之前在步驟1中停止的所有服務

若要查詢和啟動服務,請通過控制檯或RDP連線訪問TMS伺服器,然後在**命令提示符**中運行 services.mscin命令。在服務清單中,找到以下服務,然後按一下右鍵每個服務,即可啟動服務:

- TMSDatabaseScannerService
- TMSLiveService
- TMSPLCMDirectoryService
- TMSSchedulerService
- TMSServerDiagnosticsService

- TMSSnmpService
- •全球資訊網發佈服務(W3SVC)
- IISADMIN(可選)

### 驗證

成功更改連線詳細資訊以反映新的SQL Server後,您會看到綠色消息「TMS資料庫連線設定已成功 更改」。

ISCO				
infiguration Security Settings Ut	lities Diagnostic Tools			
Cisco TMS Database Connection Directory Locations	Use this dialog to o database. Database Serveriinstance	hange the cor	nnection settings	that TMS uses to access the
	10.106.80.78\TM515_3_L	AB	1433	
	Database Name:			
	tmsng			
	Authentication:			
	<ul> <li>Windows Authentic</li> <li>SQL Server Authent</li> </ul>	ition cation		
	Username: sa			
	Password: +++			
	Restart IIS and all TMS s out during verification.	rvices for the char	nges to take effect, and	If the connection to Cisco TMS times

要檢視新的SQL Server資訊,請導航到TMS Web GUI > Administrative Tools > TMS Server Maintenance,然後展開**Database Files and Size Info**部分。

TMS Server Main	tenance		Configuration +	
TMS Information			User Administration +	
Version:		15.3.0 (2016-05-05 08:12:222) 6000-	Locations ·	
Delabese Server Date and	Time Settings		Billing Codes •	
TMS Server Time.		4060017 10:59:18 AM	Diapnostics -	
TMS Database Server Ten	e.	4Q5Q017 10:59:18 AM	Activity Status	
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## 疑難排解

目前尚無適用於此組態的具體疑難排解資訊。