TMS SQL数据库从一个SQL Server迁移到另一个 SQL Server

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简介

本文档介绍如何将TMS SQL数据库从一个SQL服务器迁移到另一个SQL服务器。

先决条件

要求

Cisco 建议您了解以下主题:

- •TMS(思科网真管理套件)
- •TMS工具
- SQL Server
- SQL Server Management Studio

使用的组件

本文档中的信息基于以下软件和硬件版本:

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

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原 始(默认)配置。如果您的网络处于活动状态,请确保您了解所有命令的潜在影响。

背景信息

您需要通过控制台/RDP访问TMS服务器和具有sysadmin服务器角色的SQL**帐户**凭据。此过程至少 需要1小时的停机时间。

配置

请按照以下步骤将TMS SQL数据库从一个SQL服务器成功迁移到另一个SQL服务器。

网络图

以下图像提供了迁移过程的示例:



步骤1.停止TMS应用服务,包括IIS和WWW

要查找和停止服务,请通过控制台或RDP连接访问TMS服务器,并在**命令提示**中运行命令 services.msc。在服务列表中,找到下面的服务并右键单击每个服务,以停止它:

- TMSDatabaseScannerService
- TMSLiveService
- TMSPLCMDirectoryService
- TMSSchedulerService
- TMSServerDiagnosticsService
- TMSSnmpService
- •万维网发布服务(W3SVC)
- IISADMIN(可选)

警告:在继续前进之前,请确保停止所有所需的服务。

步骤2.从现有SQL Server备份TMSNG数据库

要创建当前SQL数据库的备份,请遵循以下过程。

1.使用**sa**凭据登录SQL Server Management Studio(或者,使用对数据库具有sysadmin访问权限的 凭据)。

2.找到要为其创建备份的数据库(例如tmsng、	tmspe)	,然后右键单击	该数据库以ì	选择 Tasks >	Back
up。					



3.将打开一个新窗口。您必须删除现有路径并添加新路径,新备份文件将在其中保存。备份类型应 设置为Full。

• 单击"删除"按钮以删除现有路径

3	Back Up Dat	abase - tmsng			×
Select a page	Sorpt + 🖸 Help				
2ª Optione	Source				
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	e l			5	Benove
Progress					
O heady					Contents
				OK	Cancel

• 单击Add按钮,为新备份文件添加新路径

0	
	ect the file or backup device for the backup destination. You can creative devices for frequently used files.
	stinations on disk
	e He name: iles\Microsoft SQL Server\MSSQL11.TMS15_3\MSSQL\Backup\
	O Backup device:
	×
	v]

• 导航到新位置并输入文件名称。单击"确定"

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File game:	(Eg: tmsng backup)	cel

• 备份成功完成后,系统将弹出新消息

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	Microsoft SQL Server	Management Studio	×
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Connection:			
37 Ver co			
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Progress			
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200.0001000			C Devol
		L3	

4.对TMSPE数据库执行相同的流程(可选)。

步骤3.将备份还原到新的SQL Server

要将数据库备份应用到新的SQL服务器,请执行以下步骤。

警告:确保TMS服务器和新SQL服务器配置了相同的时间(时区)。

1.打开SQL Server Management Studio并右键单击"数据**库"**。选择"**还原数**据库",将打开一个新窗 口。



2.必须选择源设备。单击"Device(设备)"字段右侧的按**钮,**然后在新弹出窗**口中**单击"Add(添加)"。选择文件夹和备份文件,然后单击"确**定"**。

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						OK	Cancel

步骤4.将连接设置从旧SQL服务器更改为新SQL服务器

1.使用控制台或RDP连接访问TMS服务器。

2.打开TMS工具并导航至Configuration > Cisco TMS Database Connection。

3.在"数据库服务器\实例"字段中,必须输入SQL Server的新连接详细信息。

• 更改旧SQL服务器的连接详细信息之前的示例

cisco TMS T	pols				- 0 ×
Configuration Securi	ty Settings Utilities	Diagnostic Tools			
Cisco TMS Databas	e Connection	Use this dialog database.	g to change the	connection s	ettings that TMS uses to access the
Directory Locations		Database ServerVin	istance:	Port	
		SQLSERVERITINST	5,3	1433	
		Database Name: tmsng			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 1 out during verificati	TMS services for the on.	changes to take	effect, and if the connection to Cisco TMS times
		SAVE			

•将连接详细信息更改为新SQL Server后的示例

CISCO 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. Instance Name in the new SQL server 10.106.80.781/TMS15_3_LAB Database Name tmsng Authentication: SQL Server Authentication Username: SQL Server Authentication Username: Sa Password: Satisfies and all TMS services for the changes to take effect, and if the connection to Cisco TMS times out during verification.

步骤5.启动之前在步骤1中停止的所有服务

要查找并启动服务,请通过控制台或RDP连接访问TMS服务器,并在**命令提示符**下运行命令 services.mscin。在服务列表中,找到下面的服务,并右键单击每个服务,以启动它:

- TMSDatabaseScannerService
- TMSLiveService
- TMSPLCMDirectoryService
- TMSSchedulerService
- TMSServerDiagnosticsService

- TMSSnmpService
- •万维网发布服务(W3SVC)
- IISADMIN(可选)

验证

在成功更改连接详细信息以反映新SQL服务器后,您会看到绿色消息"TMS数据库连接设置已成功更 改"。

cisco TMS Tools				- • ×
Configuration Security Settings	Utilities Diagnostic Tools	I		
Cisco TMS Database Connection Directory Locations	Use this dialo database. Database Servers	og to change the	connection setting	gs that TMS uses to access the
	10.106.80.78\TM	\$15_3_LAB	1433	
	Database Name:			
	tmsng			
	Authentication: O Windows Au SQL Server A	thentication luthentication		
	Username:	58		
	Password:		81	
	Restart IIS and all out during verifical	TMS services for the tion.	changes to take effect, a	and if the connection to Cisco TMS times S database connection settings en successfully changed.

要查看新的SQL Server信息,请导航到TMS Web GUI > Administrative Tools > TMS Server Maintenance,然后展开"数据库文件和大小信**息"部分**。

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故障排除

目前没有针对此配置的故障排除信息。