Failed to decrypt SQL Server machine serialized pfx certificate LastError=0

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Today We will be discussed about due to any of the reason you have to change site server database ABC Server Database to XYZ Database server.

Scenarios: You Infrastructure is working as normal but due to existing server decommission or want to separate database from share database.

How to Move Database from ABC Server to XYZ Database.

Login to your Site Server \rightarrow Control Panel \rightarrow Add or remove Program \rightarrow Select System Center Configuration site Setup

Organize 🔻 Uninstall/Change 2				?
Name		Publisher		
🖟 Microsoft Visual C++ 2013 Redistributable (x64) - 12.0.21005		Microsoft Co	prporation	n
🖟 Microsoft Visual C++ 2013 Redistributable (x86) - 12.0.21005		Microsoft Co	orporation	n
🔀 Microsoft Visual Studio 2010 Shell (Isolated) - ENU		Microsoft Co	prporation	n
📑 Microsoft VSS Writer for SQL Server 2014		Microsoft Co	prporation	n
📳 SCCM Client Center		SCCM Tools		
SQL Server Browser for SQL Server 2014		Microsoft Co	prporation	n
🔄 SQL Server Report Builder 3 for SQL Server 2014		Microsoft Co	prporation	n
W Symantec Endpoint Protection		Symantec Co	orporation	n
🔄 System Center Configuration Manager Central Administration	Site Setup	Microsoft Co	prporation	n
🔛 System Center Configuration Manager Console	1	Microsoft Co	prporation	n
🔛 System Center Endpoint Protection		Microsoft Co	prporation	n
💷 Visual Studio 2010 Prerequisites - English		Microsoft Co	prporation	n
VMware Tools		VMware, Inc		
				>

You will be see below screen Click on Next

	System Center Configuration Manager Setup Wizard
ā.	Before You Begin
	This wizard walks you through the steps necessary to install or upgrade Configuration Manager. Setup also provides you with options to recover a site, perform site maintenance, and uninstall the site.
	Before you run this wizard:
	1. Verify that you have a supported Microsoft SQL Server installation available for Configuration Manager.
	2. Identify the FQDN of the computer that is running Microsoft SQL Server.
	 Confirm that the computers for Configuration Manager site systems meet the minimum system requirements.
	 Read the <u>release notes online</u> for important information and for links to supported versions and system requirements.
	WARNING: This program is protected by copyright law and international treaties.
	Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
	Activate Win
	Go to System in < Previous

In Getting Start Wizard

Select Perform Site maintenance or reset this site. \rightarrow Click Next

System Center Configuration Manager Setup Wizard
Getting Started
Available Setup Options Setup has detected an existing central administration site on this computer.
 Install a Configuration Manager primary site Use typical installation options for a stand-alone primary site Install a Configuration Manager primary site Use default installation path Configure local SQL Server with default settings Enable a local management point for Configuration Manager Enable a local distribution point for Configuration Manager Install a Configuration Manager central administration site Upgrade this Configuration Manager site Recover a site Uninstall this Configuration Manager site
Activate Win Go to System in Next > 100 So to System on Figure 100 So to Sy

In Site Maintenance Wizard

Select Modify SQL Server configuration \rightarrow Click on Next

System Center Configuration Manager Setup Wizard
Site Maintenance
Site maintenance allows you to modify site configuration, and perform a site reset to reapply default file and registry permissions on this site server. Select the action that you want to perform. Reset site with no configuration changes Modify SQL Server configuration Modify SMS Provider configuration Modify language configuration
Activate Win
Go to System in ACLIVE de Otivication Mexico Concellation Concellation

Database Information Wizard.

You will see existing site server configure Database as we have to change ABC database server to XYZ change new server name and **click next**

Wizard will check new server name and validate all pre request if all good then your new server configuration will go smooth as normal but today I will be sharing issue like while moving database getting error Failed to decrypt SQL Server machine serialized pfx certificate (LastError=0)

Let talk about solutions.

System Center Configuration Manager Setup Wizard	System Center Configuration Manager Setup Wizard
Database Information	Database Information
Specify the computer name, SQL Server instance.	Specify the computer name, SQL Server instance.
You can change the server or instance used by Configuration Manager.	You can change the server or instance used by Configuration Manager.
SQL Server name (FQDN): Example: Server1.contoso.com abc.demo.com Instance name (leave blank for default): Example: MyInstance	SQL Server name (FQDN): Example: Server1.contoso.com XVZ_demo.com Instance name (leave blank for default): Example: MyInstance
Database name: Example: CM_XYZ CM_P01	Database name: Example: CM_XYZ CM_P01
Specify the TCP port number for SQL Server Service Broker. Configuration Manager uses Service Broker t data between parent and child site database servers in the hierarchy. This port is different from the port SQL Server service, which is automatically detected by Configuration Manager. Service Broker Port:	Specify the TCP port number for SQL Server Service Broker. Configuration Manager uses Service Broker to replicate data between parent and child site database servers in the hierarchy. This port is different from the port used by the SQL Server service, which is automatically detected by Configuration Manager. Service Broker Port:
Current DB	New Database Activate V
< Previous Next > Vice Next >	Corto System Previous

Issue: While moving Database using site maintenance wizard getting error

Failed to decrypt SQL Server machine serialized pfx certificate (LastError=0)

Error on configMGRSetup.log

Configuration Manager Trace Log Tool - [C:\ConfigMgrSetup.log]

File Tools Window Help	
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Log Text	Component
Starting service SMS_SERVER_BOOTSTRAPSMS_SQL_SERVER with command-line arguments "MP1 C:\SMS_MPGCL	Configuration Manager Setup
Machine certificate has been created successfully on server	Configuration Manager Setup
Deinstalled service SMS_SERVER_BOOTSTRAPSMS_SQL_SERVER on	Configuration Manager Setup
Not able to decrypt using key stored in operating system.	Configuration Manager Setup
*** [08001][-2146893019][Microsoft][SQL Server Native Client 11.0]SSL Provider: The certificate chain was issued by an authority that is not trusted.	Configuration Manager Setup
*** [08001][-2146893019][Microsoft][SQL Server Native Client 11.0]Client unable to establish connection	Configuration Manager Setup
*** Failed to connect to the SQL Server, connection type: SMS ACCESS.	Configuration Manager Setup
Failed to get sql connection	Configuration Manager Setup
Failed to get site exchange certificate 87d20002	Configuration Manager Setup
Failed to decrypt data using format 0.	Configuration Manager Setup
ERROR: Failed to decrypt SQL Server machine serialized pfx certificate (LastError=0)	Configuration Manager Setup
<09-03-2019 16:29:09> ************************************	
<09-03-2019 16:29:09> ***** Exiting ConfigMgr Setup Bootstrapper *****	
<09-03-2019 16:29:09> ************************************	
<09-03-2019 16:38:04> ************************************	
<09-03-2019 16-39-04> ***** ConfigMor Setup Bootstranger *****	

<09-03-2019 16:38:04> ***** ConfigMgr Setup Bootstrapper ****

While open ConfigMGRSetuWizard.log you will see error like received error fail to create SQL server certificate

Configuration Manager Trace Log Tool - [C:\ConfigMgrSetupWizard.log]	- 0
File Tools Window Help	-
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Log Text	
03/09/2019 15:20:11: ConfigMgrSetupWizard Information: 1 : Does database	already exist?: True
03/09/2019 15:20:11: ConfigMgrSetupWizard Information: 1 : Sql connection is es	tablished.
03/09/2019 15:20:11: ConfigMgrSetupWizard Information: 1 : SqlServerName =	
03/09/2019 15:20:11: ConfigMgrSetupWizard Information: 1 : SqlServerPort = 140	1
03/09/2019 15:20:11: ConfigMgrSetupWizard Information: 1 : SqlDatabaseName :	
03/09/2019 15:20:11: ConfigMgrSetupWizard Information: 1 : IsSqIAlwaysOn = Fa	lse
03/09/2019 15:20:11: ConfigMgrSetupWizard Information: 1 : IsAlwaysOnAutoSet	ding = False
03/09/2019 15:20:54: ConfigMgrSetupWizard Verbose: 1 : Report failure callback.	Failure: 6.
03/09/2019 15:20:54: ConfigMgrSetupWizard Information: 1 : Cancelling asynchr	onous threads
03/09/2019 15:20:54: ConfigMgrSetupWizard Information: 1 : Notified monitoring	J threads to exit.
03/09/2019 15:20:54: ConfigMgrSetupWizard Information: 1 : All monitoring thre	ads have completed.
03/09/2019 15:20:54: ConfigMgrSetupWizard Information: 1 : Released callback G	C handle
03/09/2019 15:20:54: ConfigMgrSetupWizard Verbose: 1 : Received error [Fail to c	eate SQL Server Certificate, ConfigMgr installation cannot be completed.] from native code.
Date/Time: Component:	
Thread: Source:	
03/09/2019 16:41:25: ConfigMgrSetupWizard Verbose: 1 : Exiting SetupWPF.exe.	

Now we have error how to fix to success full move.

Above issue will reports on below scenarios.

Pre request

Step 1: The account used for the installation and the computer account of SCCM have to be members of the local admins group on SCCMDB and need also sysadmin rights in SQL.

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Step 2: make sure you configure the SQL services to run under a domain user account rather than as local system or network service. Running SQL under a domain user follows MS best practices.

Step 3: Certificate is not mapped to your SCCM Instance. How to verify ?

Launch the SQL Server Configuration Manager, expand SQL Server Network Configuration, right click Protocols for MSSQLSERVER and click **Properties**. Make sure ConfigMGR SQL Server Identification Certificate is Mapped if missing then we have to create certificate and import in SCCMDB Server

 ← → 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Protocol Name Shared Memory Named Pipes	Status Enabled Disabled	Flags Certificate Advanced Certificate: ConfigMgr SQL Server Identifica	View.	Clear 1st Step Verify
 ▷ SQL Native Client 11.0 Configuration ▲ SQL Server Network Configuration ■ Protocols for MSSQLSERVER ▷ ♣ SQL Native Client 11.0 Configur 	Scel g TCP/IP Open View ► Refresh	Enabled	Expiration Date Friendly Name Issued By Issued To	5/5/2117 ConfigMgr S	SQL Server Identificati
	Export List Properties Help				
			Expiration Date	2 Cancel	Apply Help

If Certificate is missing. How to Create Certificate?

Create ConfigMgr SQL Server Identification Certificate.

To create ConfigMgr SQL Server Identification Certificate, open the IIS management console. Select the server then double click **Server Certificates**.



Right click on the right pane and click Create Self-Signed Certificate.

Connections		Server Certificates		
Start Page	Use this Filter:	feature to request and manage certificates that the Web : • 🍞 Go - 👾 Show All Group by		
D Sites	Name	 Issued To 		
		Import		
	h	Create Certificate Request		
	S	Complete Certificate Request		
	S	Create Domain Certificate		
	v	Create Self-Signed Certificate		
		View		
		Renew		
	×	Remove		
		Enable Automatic Rebind of Renewed Certificate		
	0	Help		

Provide a friendly name to this cert. Choose the certificate to be stored in Personal store. Click OK.

Create Self-Signed Certificate	?	x
Specify Friendly Name		
Specify a file name for the certificate request. This information can be sent to a certificate authority for signing:		
Specify a friendly name for the certificate:		
ConfigMGR SQL Server Identification Certificate		
Select a certificate store for the new certificate:		
ОК Са	ancel	Activ

Now you have certificate import in SQL SERVER and configure in above mention Step 3

Connections	Server Certifie Use this feature to request and	Cates	e Web server can use with websites c	onfigured for SSL.		
Application Pools	Filter: -	Show All	roup by: No Grouping +			
Application Pools Sites	Filter:	Issued To	Issued By	Expiration Date	Certificate Hash	Certificate S
@ Application Pools ⊳-@ Sites	Filter:	Issued To	Issued By AD	Expiration Date 11/2/2019 10:10:13	Certificate Hash AFC02E8E712D6D706A48C8B4	Certificate S Personal

In Our Scenario Certificate was missing we have mapped certificate and re run site maintenance wizard SQL server got change successful without any problem.

Hope you like solution!!! Happy Learning Keep watching space @hiraniconfigmgr.com

Many Problem, One Place solutions.

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