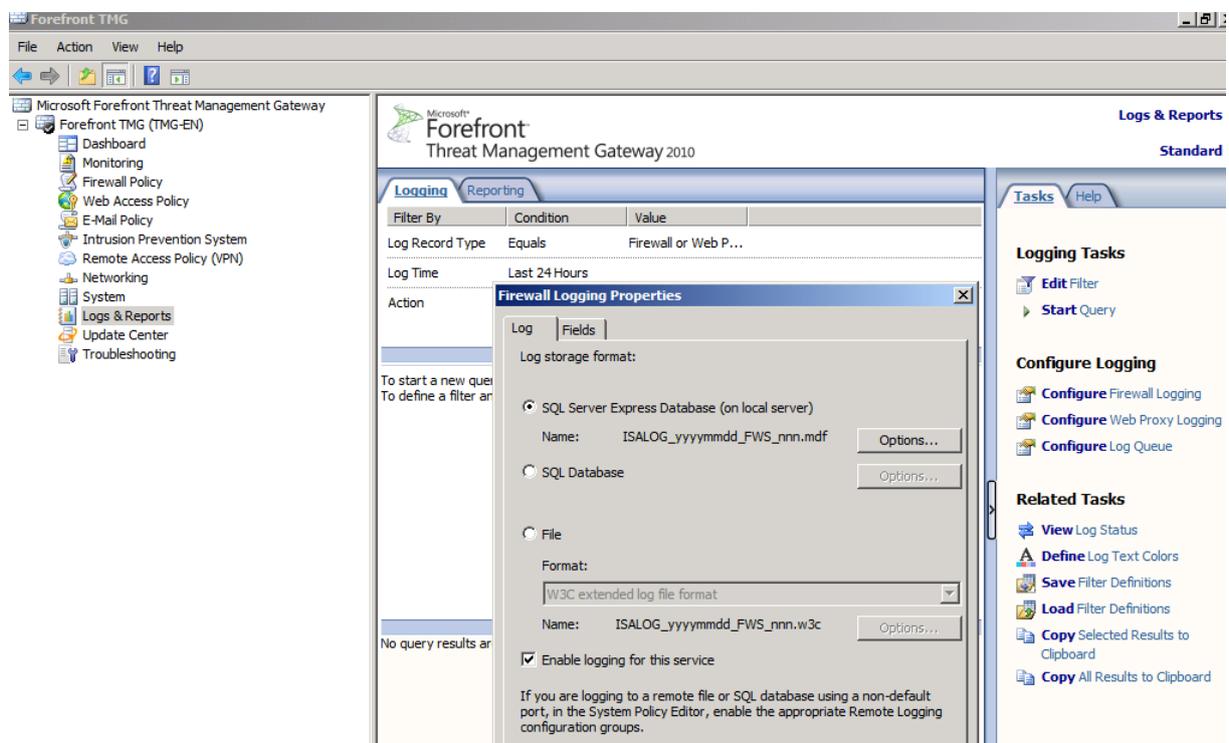


How to uninstall SQL Server 2008 Express SP1 from a Forefront TMG SP1 Update 2 Standard Edition Server

Disclaimer:

- I used one of my test machines for this procedure. Don't use this guide in your production environment!
- Create a backup of the entire Server before following the instructions in this guide
- Use this step by step guide at your own risk
- No warranties
- I think that this procedure is definitely NOT supported by Microsoft!!

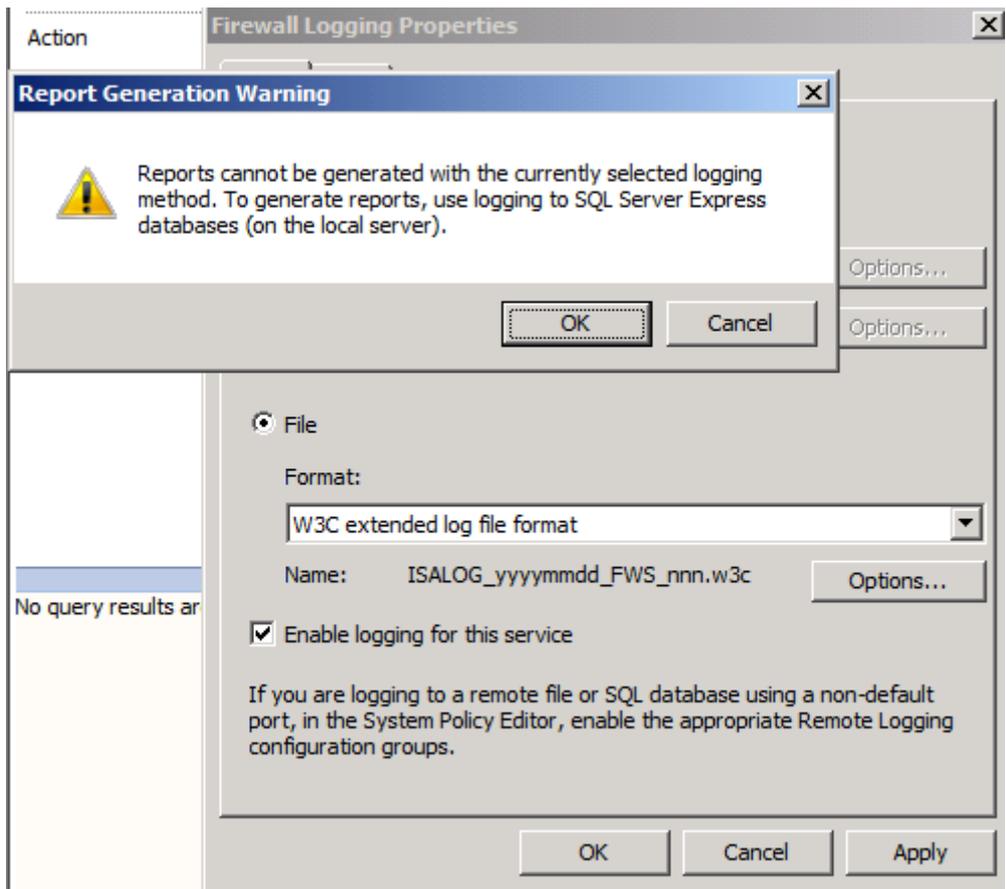
TMG SQL Express Logging



Check SQL services

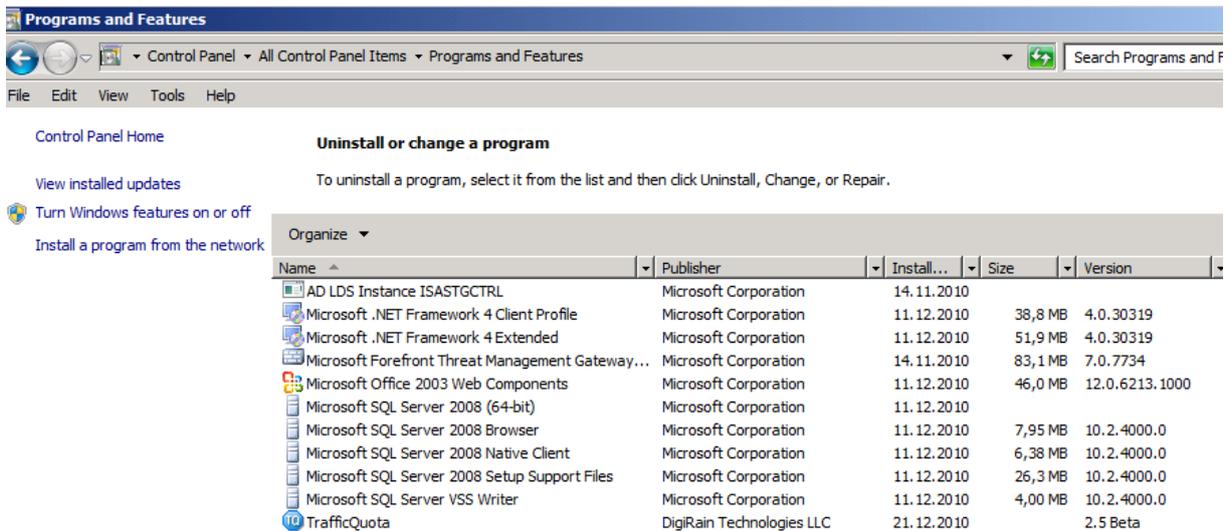
SQL Active Directory Helper Service	Enables int...	Disabled	Network S...
SQL Server (ISARS)	Provides st...	Started	Automatic
SQL Server (MSFW)	Provides st...	Started	Automatic
SQL Server Agent (ISARS)	Executes j...	Disabled	Network S...
SQL Server Agent (MSFW)	Executes j...	Disabled	Network S...
SQL Server Browser	Provides S...	Disabled	Local Service
SQL Server Reporting Services (ISARS)	Manages, ...	Started	Automatic
SQL Server VSS Writer	Provides th...	Started	Automatic

Change logging to text file for Firewall and Webproxy service



Restart TMG Server

Uninstall SQL Server 2008 Express and Native Client



SQL Server 2008

 [Add](#)
Choose this option to add features.

 [Repair](#)
Choose this option to repair the product.

 [Remove](#)
Choose this option to remove the product.

Remove SQL Server 2008

Select Instance

Specify the instance of SQL Server to modify.

Select Instance

- Select Features
- Removal Rules
- Ready to Remove
- Removal Progress
- Complete

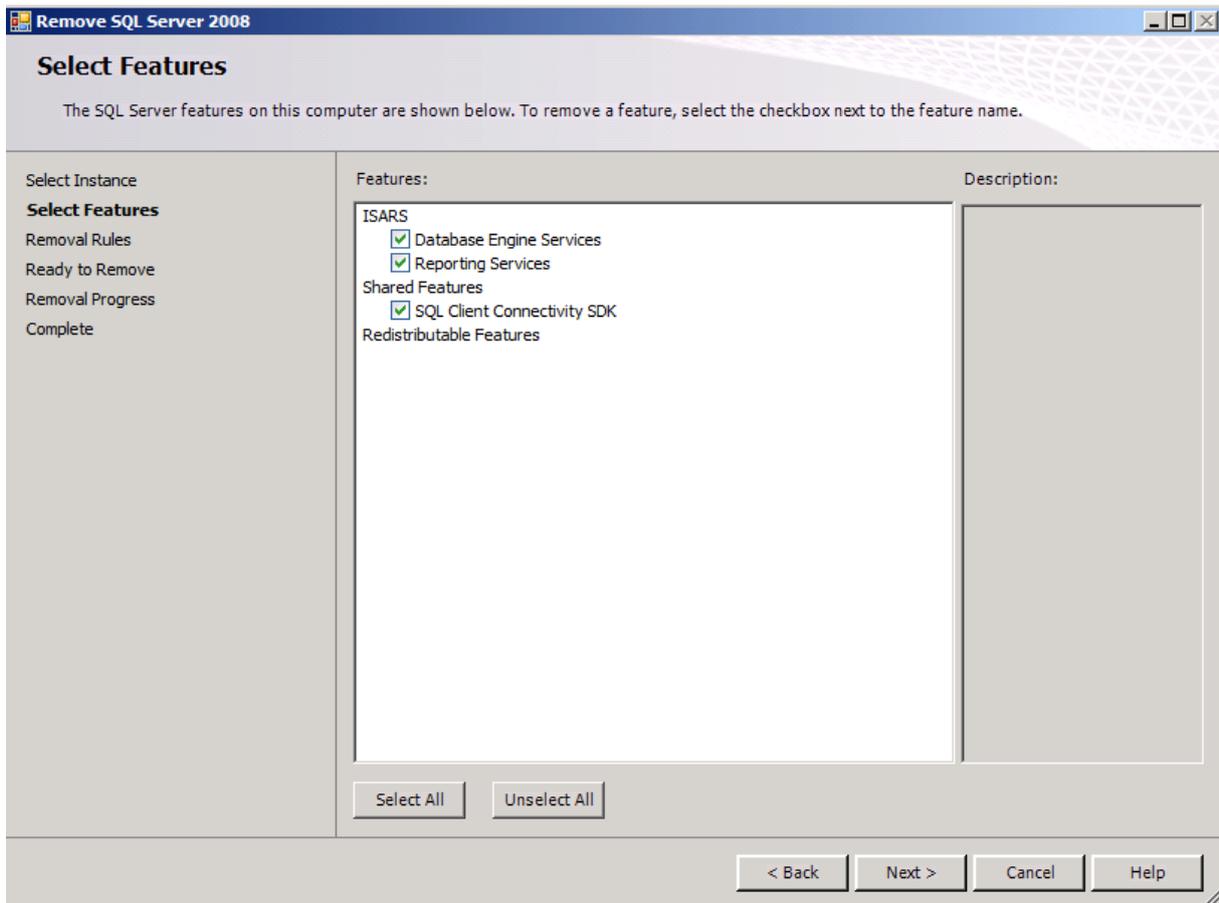
Select the instance of SQL Server to remove. To remove Management Tools and shared features only, select "Remove shared features only" and then click next.

Instance to remove features from:

Installed instances:

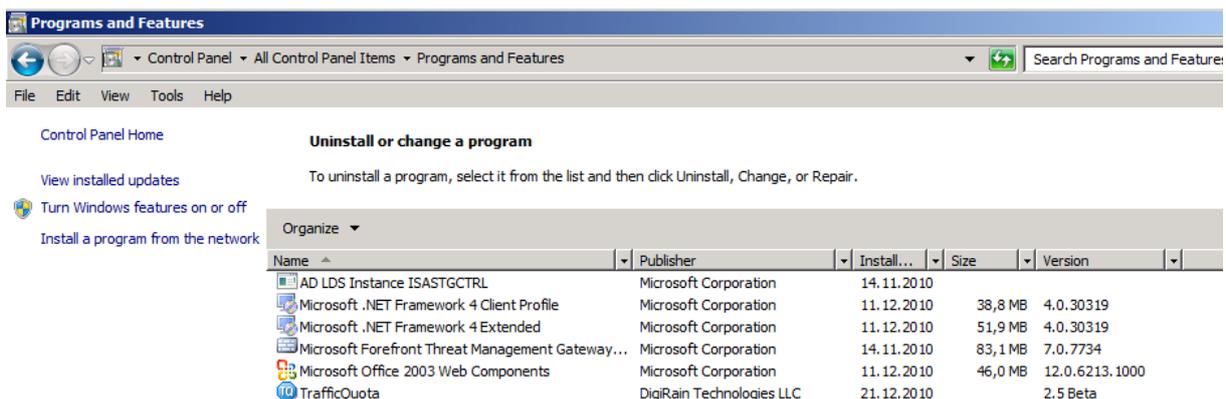
Instance Name	Features	Version	Edition
ISARS	SQLEngine,RS	10.2.4000.0	Express with Advanced Services
MSFW	SQLEngine	10.2.4000.0	Express with Advanced Services

< Back Next > Cancel Help



Repeat this step for the MSFW SQL instance

Check SQL program uninstallation



Reboot the TMG Server

Delete SQL program folders

Go to C:\Program Files

Delete the folder "Microsoft SQL Server"

Go to C:\Program Files (x86)

Delete the folder "Microsoft SQL Server"

Check uninstalled SQL services - great

Smart Card	Manages a...		Manual	Local Service
Smart Card Remov...	Allows the ...		Manual	Local System
SNMP Trap	Receives tr...		Manual	Local Service
Software Protection	Enables th...		Automatic (D...	Network S...
Special Administrati...	Allows adm...		Manual	Local System
SPP Notification Ser...	Provides S...		Manual	Local Service
SSDP Discovery	Discovers ...		Disabled	Local Service
System Event Notifi...	Monitors s...	Started	Automatic	Local System
Task Scheduler	Enables a ...	Started	Automatic	Local System
TCP/IP NetBIOS He...	Provides s...	Started	Automatic	Local Service
Telephony	Provides T...	Started	Manual	Network S...

After the SQL 2008 Express uninstallation, the Forefront TMG Log queue fills up ☹

The screenshot shows the 'Log Status' dialog box in the Forefront TMG console. The dialog box has a 'Refresh' button and a 'Close' button. It displays the following information:

General Log Status

- Logging status: Disconnected (no connection to database)
- Database updated up to: 23.12.2010 17:44:33
- Log queue total (KB): 893 KB

Server Log Status:

Server	Updated Up To	Log Queue (KB)	Status
TMG-EN	23.12.2010 17:44:33	893 KB	Disconnected

The sidebar on the right shows the 'Logging Tasks' section with the following options:

- Logging Tasks
 - Edit Filter
 - Start Query
- Configure Logging
 - Configure Firewall Logging
 - Configure Web Proxy Logging
 - Configure Log Queue
- Related Tasks
 - View Log Status
 - Define Log Text Colors
 - Save Filter Definitions
 - Load Filter Definitions
 - Copy Selected Results to Clipboard
 - Copy All Results to Clipboard

We will look back later ☺

Services error ☹

Server	Service	Status	Service Uptime
Reporting Services Group			
TMG-EN	SQL Server (ISARS)	Unavailable	
TMG-EN	SQL Server Repo...	Unavailable	
TMG-EN	Microsoft Forefro...	Unavailable	00:18:02
TMG-EN	Microsoft Forefro...	Unavailable	00:00:00
TMG-EN	Microsoft Forefro...	Unavailable	

We will look back later ☺

TMG configuration sync error

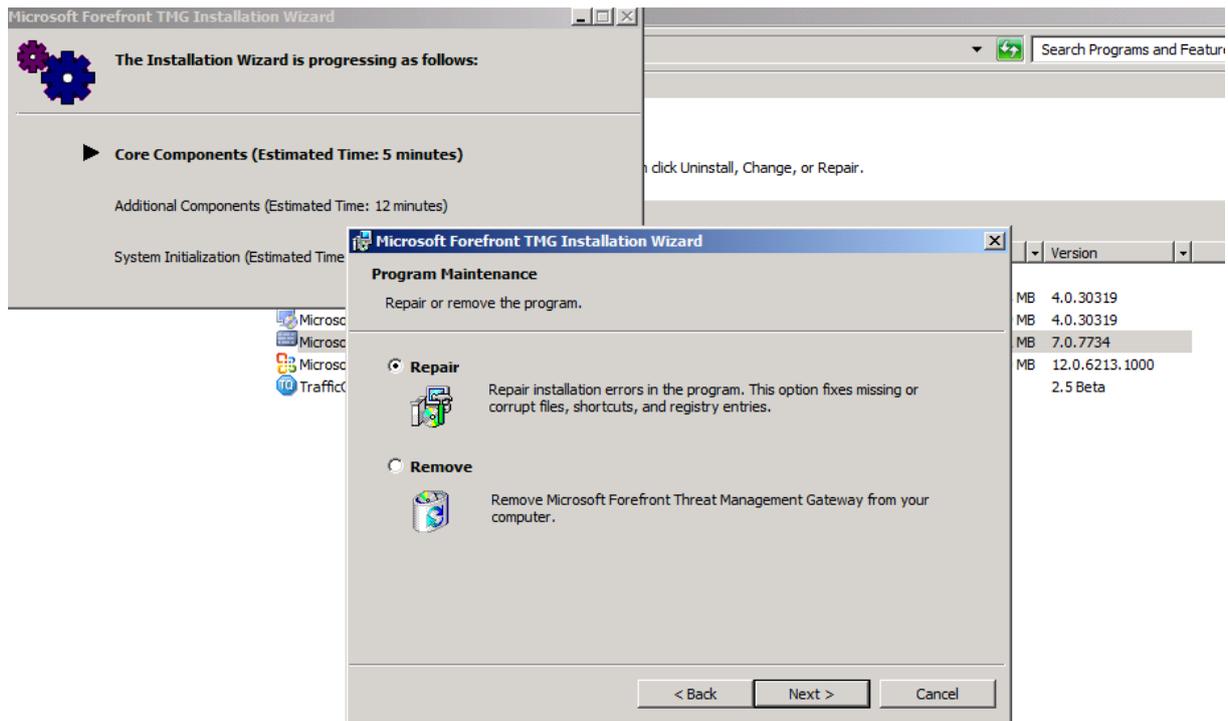
Threat Management Gateway 2010 **Standard**

Server	Status	Last Updated	Description
TMG-EN	Error		Forefront TMG Management cannot establish a connection with the Forefront...

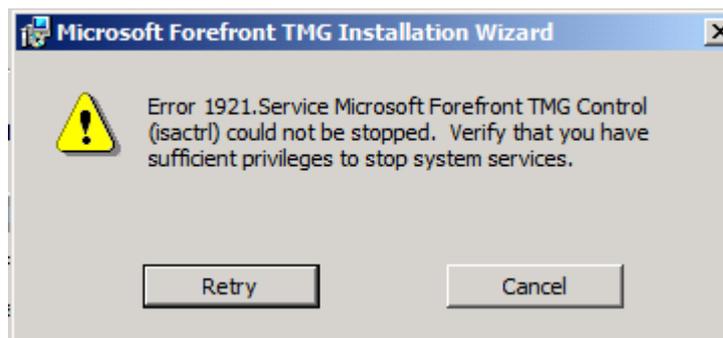
We will look back later ☺

Repair installation

Before I tried a repair installation I had a look into the Forefront TMG configuration and there are lots of errors, so I decided to do a repair installation of Forefront TMG



Error ☹️

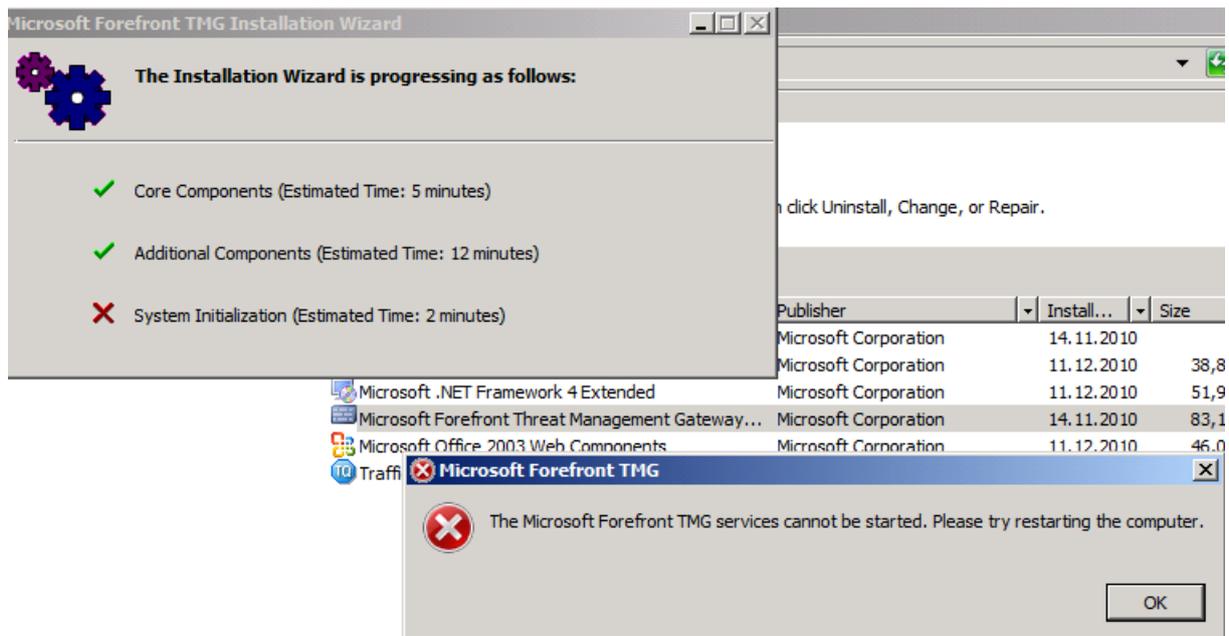


Set the startup of this service to Disabled

Reboot the TMG Server

Try the uninstallation again

Error



...but all TMG services are started

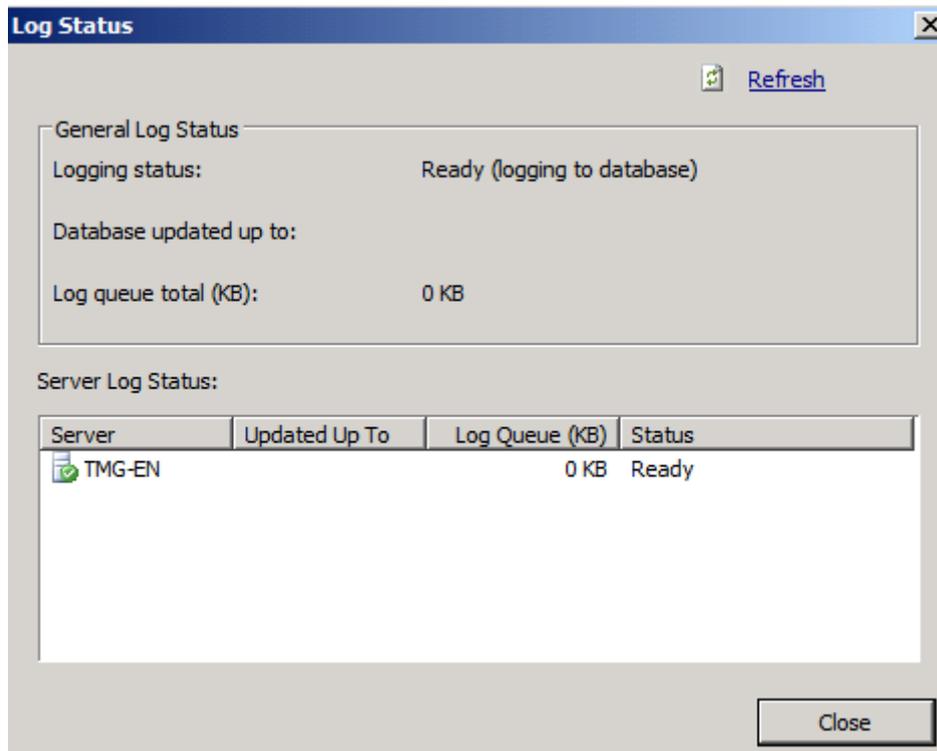
Microsoft Fibre Channel Platform Regist...	Registers t...		Manual	Local Service
Microsoft Forefront TMG Control	Controls F...	Started	Automatic	Local System
Microsoft Forefront TMG Firewall	Provides F...	Started	Automatic	Network S...
Microsoft Forefront TMG Job Scheduler	Runs Foref...	Started	Automatic	Local System
Microsoft Forefront TMG Managed Control	Controls F...	Started	Automatic	Local System
Microsoft Forefront TMG Storage	Provides F...	Started	Automatic	Local System
Microsoft Forefront TMG Traffic	Manages T...		Manual	Local System

So we can ignore the error message (my assumption is that TMG means the uninstalled SQL services)

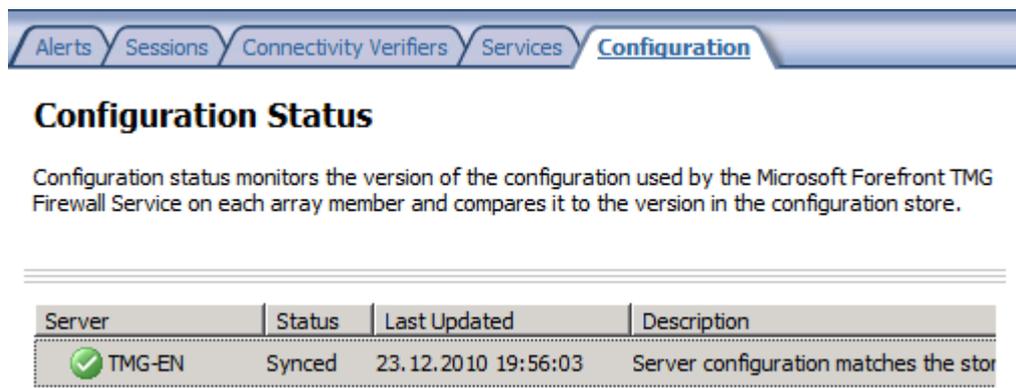
Reapply TMG SP1 and all hotfixes

Reboot the TMG Server

Log Queue is fine



Configuration status is fine



Check TMG Server Dashboard for errors

A lot of errors regarding the uninstalled SQL Server 2008 SP1 Express installation ☹

[-] [X] Reporting Services - Service Initialization Failure	23.12.2010 19:31:39
Reporting Services - Service Initialization Failure	23.12.2010 19:31:39
[-] [X] Reporting Services Configuration Failure	23.12.2010 19:31:56
Reporting Services Configuration Failure	23.12.2010 19:31:56
[+] [i] Malware Inspection Definitions Loaded	23.12.2010 19:32:10
[+] [i] Service Started	23.12.2010 19:39:58

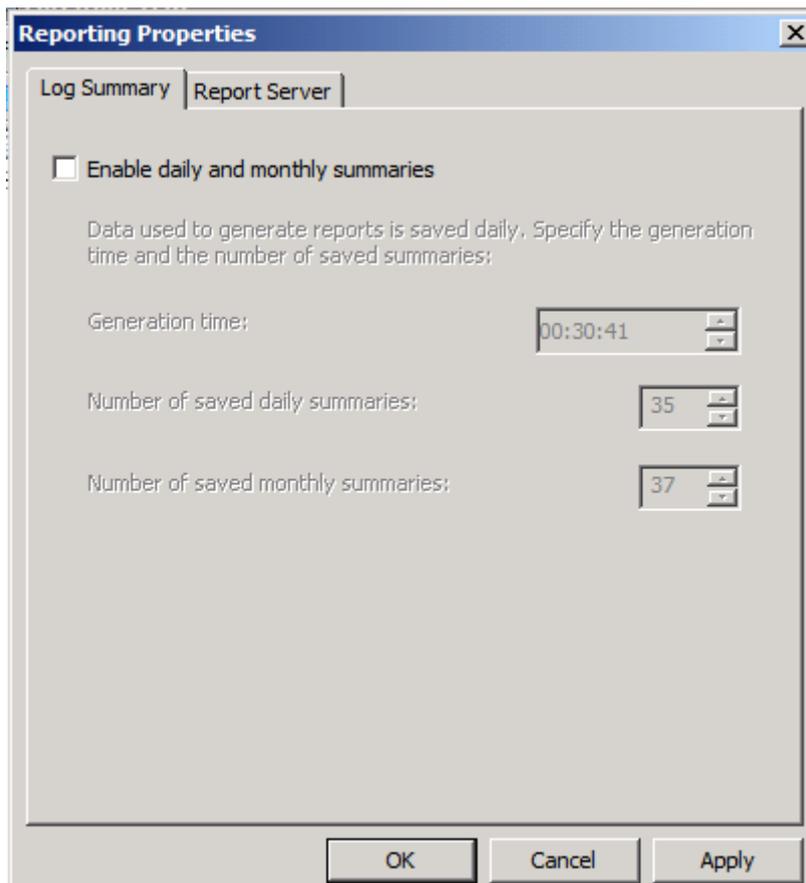
Alert Information

Description: SQL Server Reporting Services could not be configured for Forefront TMG. Restarting the Microsoft Forefront TMG Job Scheduler service may resolve this issue. Reporting Services error information: [DBNETLIB][ConnectionOpen (Connect()).]SQL Server does not exist or access denied.

The failure is due to error: Unspecified error

SQL Reporting service error

Solution: Disable Report generation



Forefront TMG Job Scheduler error

The screenshot displays a list of system events in a Windows Event Viewer window. The events are as follows:

Event Name	Time
Reporting Services Configuration Failure	23.12.2010 17:58:04
Reporting Services Configuration Failure	23.12.2010 17:58:04
Log formatting failure	23.12.2010 18:03:26
Log formatting failure	23.12.2010 18:03:26
Alert action failure	23.12.2010 18:05:31

The 'Alert action failure' event is expanded to show the following details:

Alert Information

Description: SQL Server Reporting Services could not be configured for Forefront TMG. Restarting the Microsoft Forefront TMG Job Scheduler service may resolve this issue. Reporting Services error information: [DBNETLIB][ConnectionOpen (Connect()).]SQL Server does not exist or access denied.

The failure is due to error: Unspecified error

Solution:

Uninstall the Forefront TMG Job Scheduler service

Microsoft Forefront TMG Job Scheduler Properties (Local Computer) X

General | Log On | Recovery | Dependencies

Service name: isasched

Display name: Microsoft Forefront TMG Job Scheduler

Description: Runs Forefront Threat Management Gateway jobs according to specified job schedules

Path to executable: ram Files\Microsoft Forefront Threat Management Gateway\W3Prefch.exe

Startup type: Automatic

[Help me configure service startup options.](#)

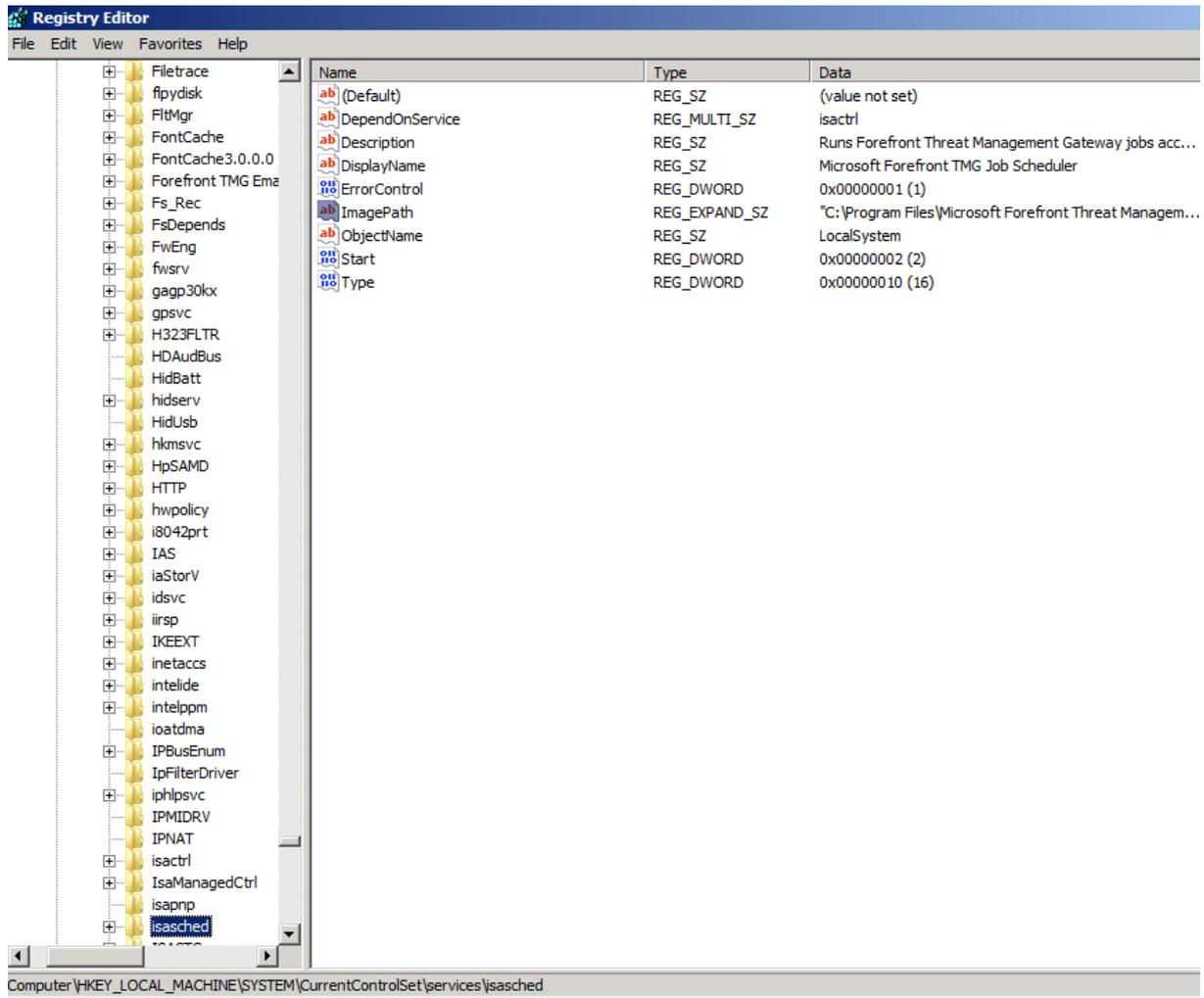
Service status: Started

Start Stop Pause Resume

You can specify the start parameters that apply when you start the service from here.

Start parameters:

OK Cancel Apply



Alert action failure

 Alert action failure	23.12.2010 18:05:31
Alert action failure	23.12.2010 17:57:50
Alert action failure	23.12.2010 17:57:52
Alert action failure	23.12.2010 17:57:55
Alert action failure	23.12.2010 17:58:04
Alert action failure	23.12.2010 17:58:08
Alert action failure	23.12.2010 17:58:11
Alert action failure	23.12.2010 17:58:22
Alert action failure	23.12.2010 18:03:28
Alert action failure	23.12.2010 18:05:31

Alert Information
Description: One or more of the actions associated with alert Reporting Services Configuration Failure has failed, due to configuration settings. The mail server may be down, or the specified command may not exist. Check for related errors and fix them accordingly.

Solution: Remove the appropriate alert definitions

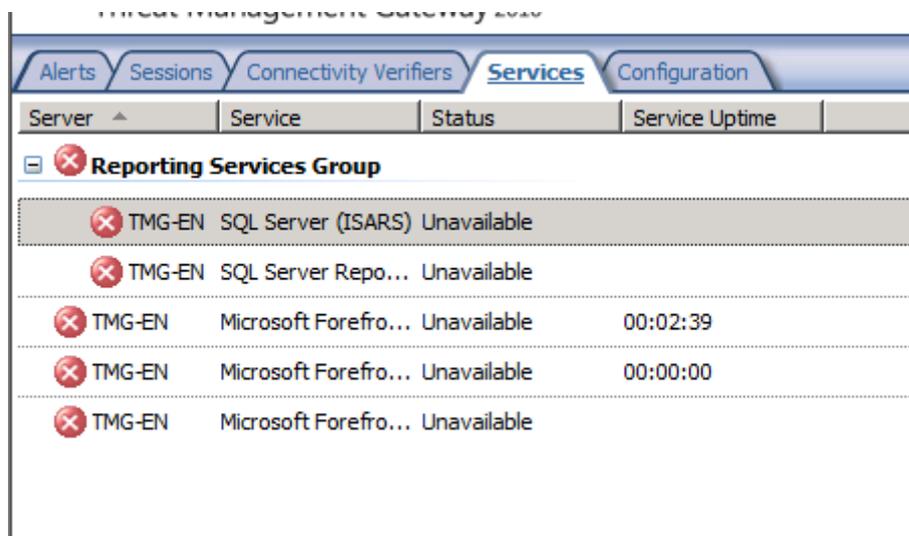
<input checked="" type="checkbox"/>		RADIUS Server Unavailable	Firewall Service
<input checked="" type="checkbox"/>		Report Job Generation Failure	Firewall Service
<input checked="" type="checkbox"/>		Report Summary Generation Failure	Firewall Service
<input checked="" type="checkbox"/>		Reporting Services - Service Initializ...	Firewall Service
<input checked="" type="checkbox"/>		Reporting Services - Service Shutdo...	Firewall Service
<input checked="" type="checkbox"/>		Reporting Services Configuration F...	Firewall Service

Reset the alerts in the Forefront TMG MMC and restart the TMG Server again

After reboot – great!

Alerts		Sessions	Connectivity Verifiers	Services	Configuration
Alert					Latest ^
		Network Inspection System Signature Set Loading Succeeded			23.12.2010 19:48:16
		Malware Inspection Definitions Loaded			23.12.2010 19:48:46
		Service Started			23.12.2010 19:56:23

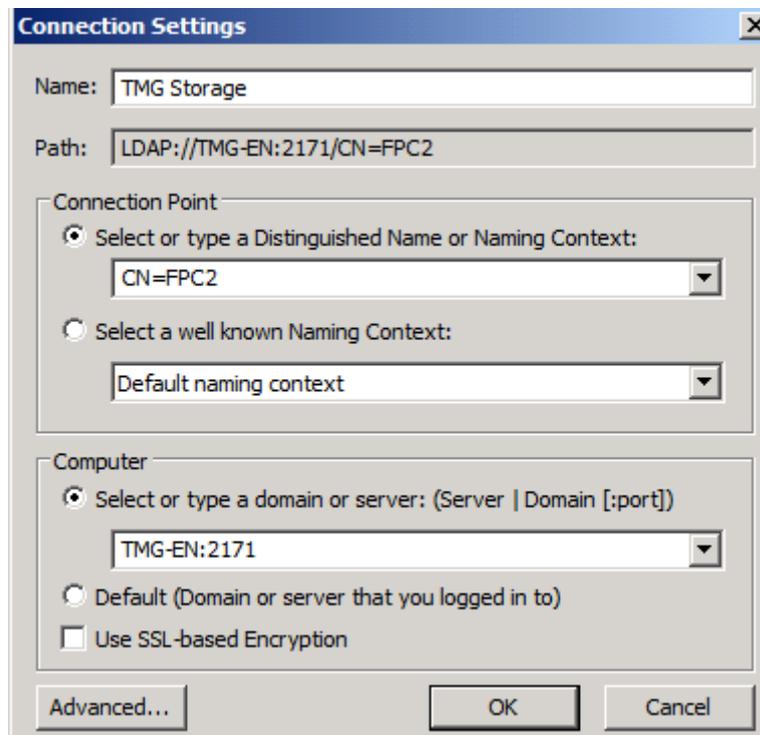
But ... the services error is not gone ☹ It seems that something blocks displaying the status of the TMG Services. The Service Uptime counts for the TMG Firewall service and all services are started in the services MMC and Forefront TMG works as expected after this patch process.



Server	Service	Status	Service Uptime
TMG-EN	SQL Server (ISARS)	Unavailable	
TMG-EN	SQL Server Repo...	Unavailable	
TMG-EN	Microsoft Forefro...	Unavailable	00:02:39
TMG-EN	Microsoft Forefro...	Unavailable	00:00:00
TMG-EN	Microsoft Forefro...	Unavailable	

Solution: I didn't find a solution. I tried to find the specific settings with ADSIEDIT but without luck but you as the reader may find a solution ☺

Connect to the TMG Storage



Connection Settings

Name: TMG Storage

Path: LDAP://TMG-EN:2171/CN=FPC2

Connection Point

Select or type a Distinguished Name or Naming Context:

CN=FPC2

Select a well known Naming Context:

Default naming context

Computer

Select or type a domain or server: (Server | Domain [:port])

TMG-EN:2171

Default (Domain or server that you logged in to)

Use SSL-based Encryption

Advanced... OK Cancel

Result: AFAIK there is no supported way to uninstall the Microsoft SQL Express version on a Forefront TMG Server so I don't recommend using any procedures to remove the SQL Server Express installation