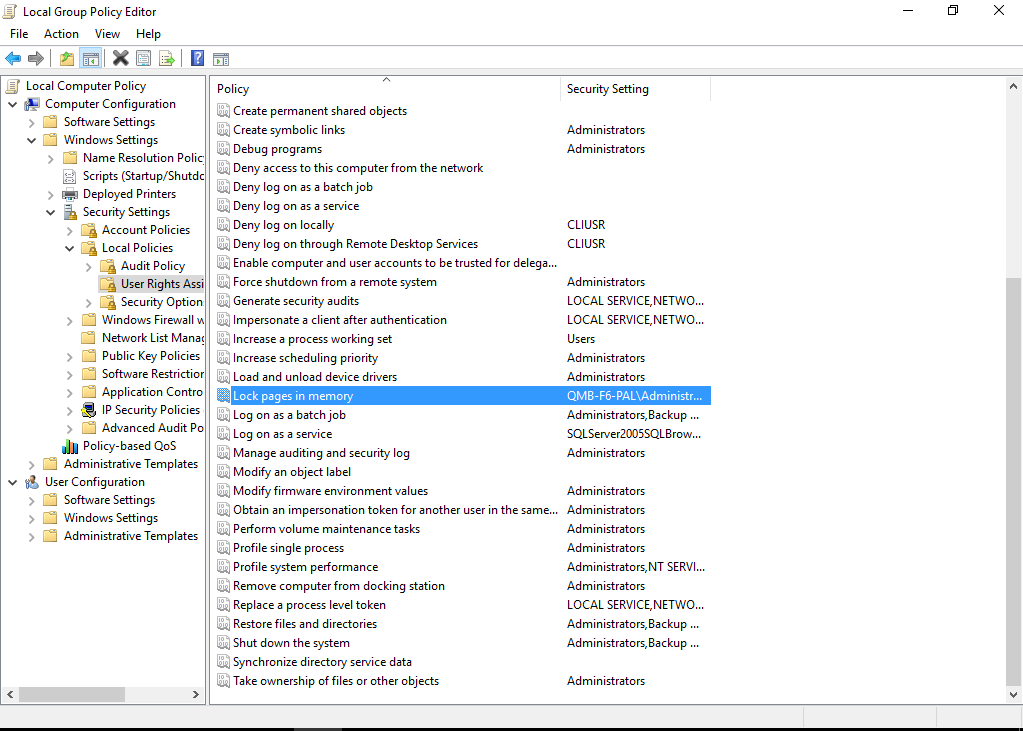
SQL SERVER 2016

CHECK LIST

**Set up "lock pages in memory" Windows account**

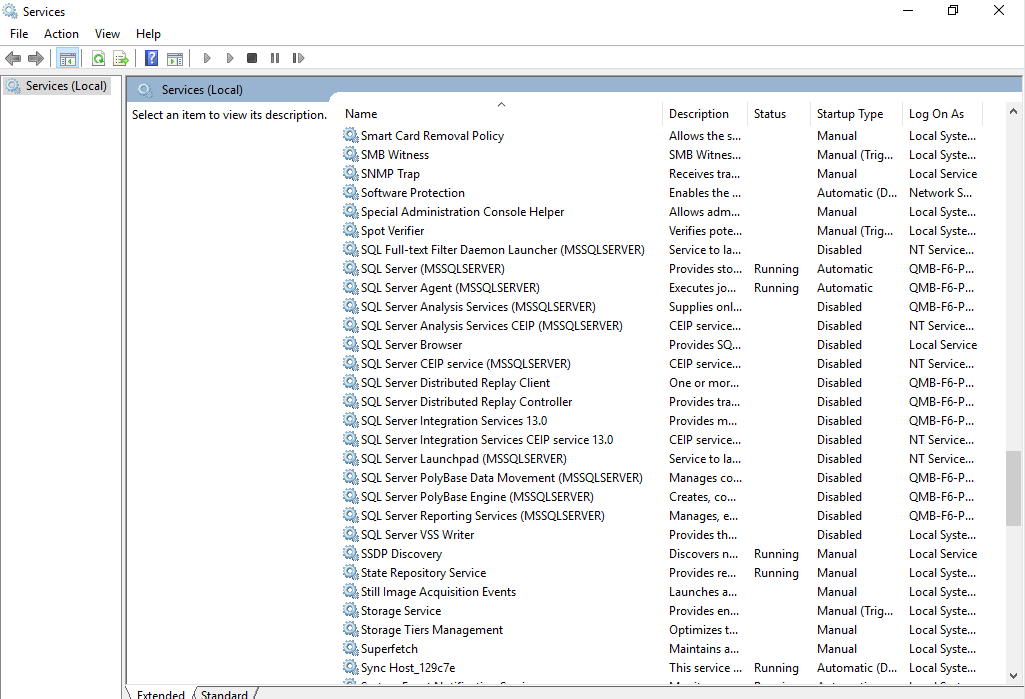
1. Run "**gpedit.msc**" -> **Computer Configuration** -> **Windows Setting** -> **Security Setting** -> **Local Policy** -> **User Right Assignment**
2. Choose **lock pages in memory** and make sure the "Security Setting" is Windows **administrator**
3. If no, right click and select property and "add User or Group"



**Services Accounts Services must be Administrator**

The 2 service under **Services** the authority must be Administrator

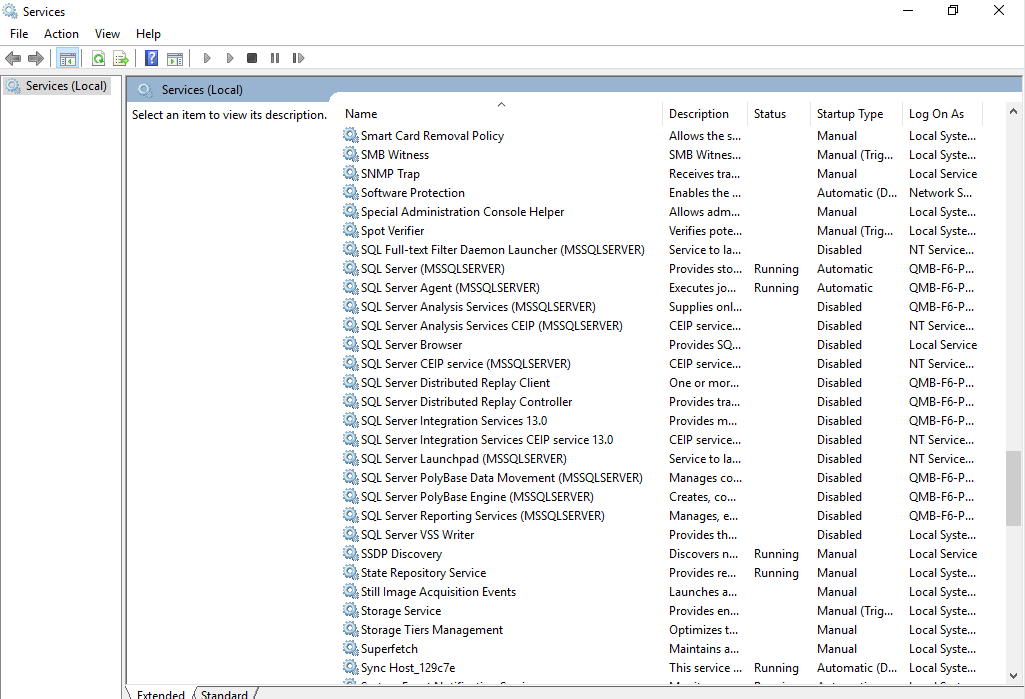
1. **SQL Server (MSSQLSERVER)**
2. **SQL Server Agent (MSSQLSERVER)**
3. Set up the 2 services Startup Type is **"Automatic"**



**Disable SQL Services**

Besides SQL Server (MSSQLSERVER), SQL Server Agent (MSSQLSERVER), other SQL Services Startup Type must be **"Disabled"**

1. SQL Server VSS Writer
2. SQL Server Reporting Services (MSSQLSERVER)
3. SQL Server Poly Engine (MSSQLSERVER)
4. SQL Server PolyBase Data Movement
5. SQL Server Launchpad (MSSQLSERVER)
6. SQL Server Integration Services CEIP
7. SQL Server Integration Services 13.0
8. SQL Server Distributed Replay Controller
9. SQL Server Distributed Replay Client
10. SQL Server CEIP Services
11. SQL Server Browser
12. SQL Server Analysis Service CEIP
13. SQL Server Analysis Service(MSSQLSERVER)
14. SQL Full-text Filter Daemon Launcher (MSSQLSERVER)



**Check SQL memory**

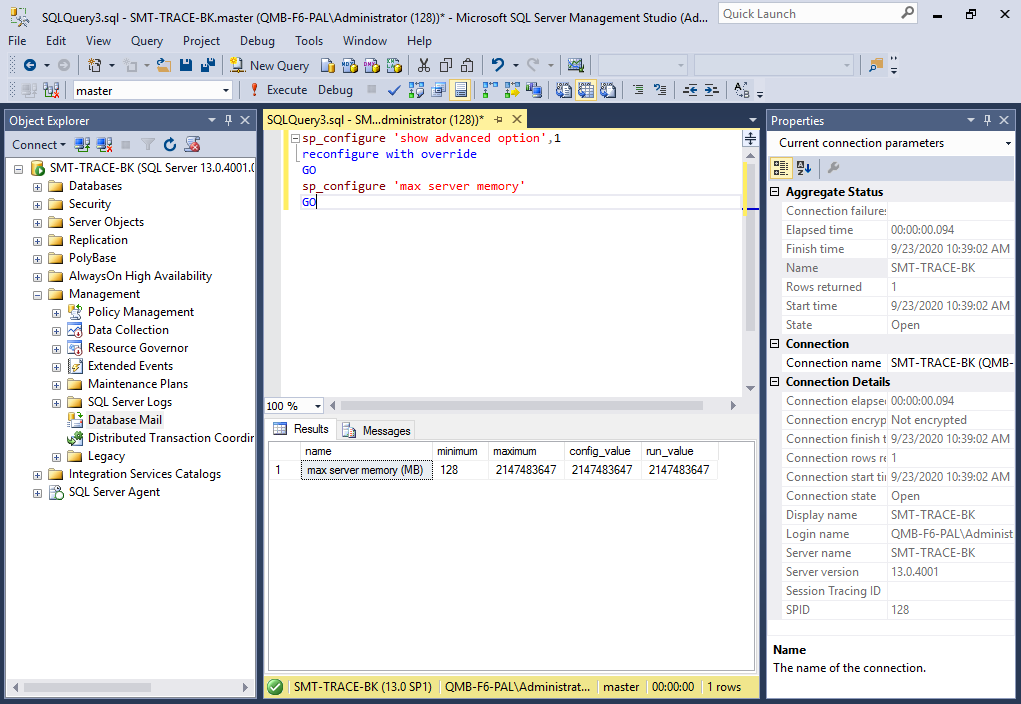
sp\_configure ‘show advanced option’,1

reconfigure with override

GO

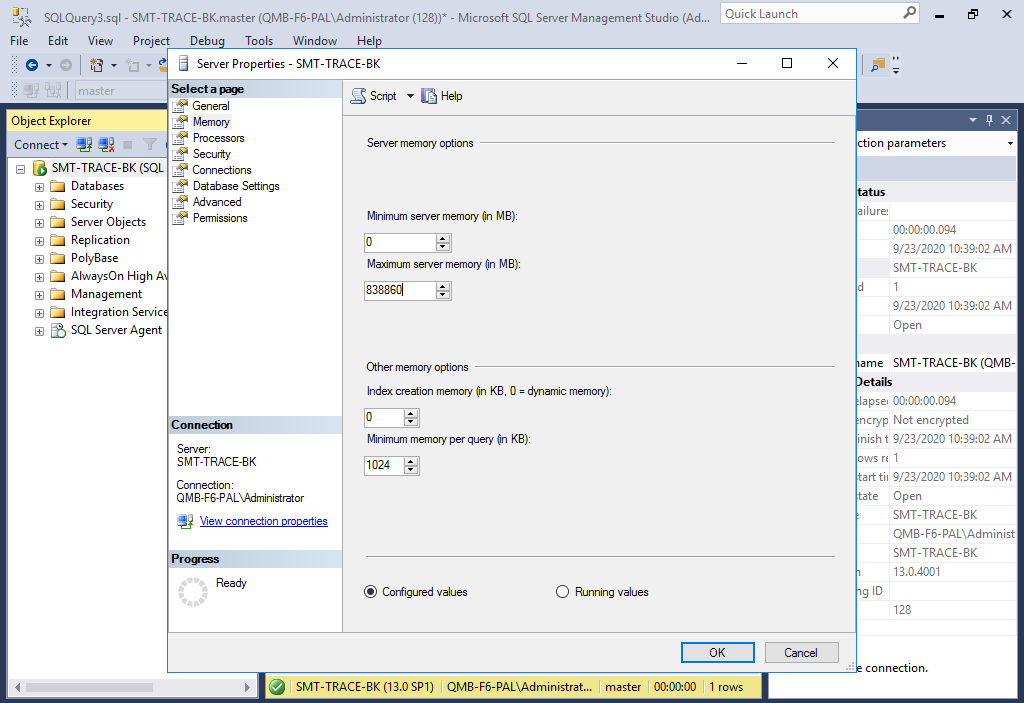
Sp\_configure ‘max server memory’

GO

****

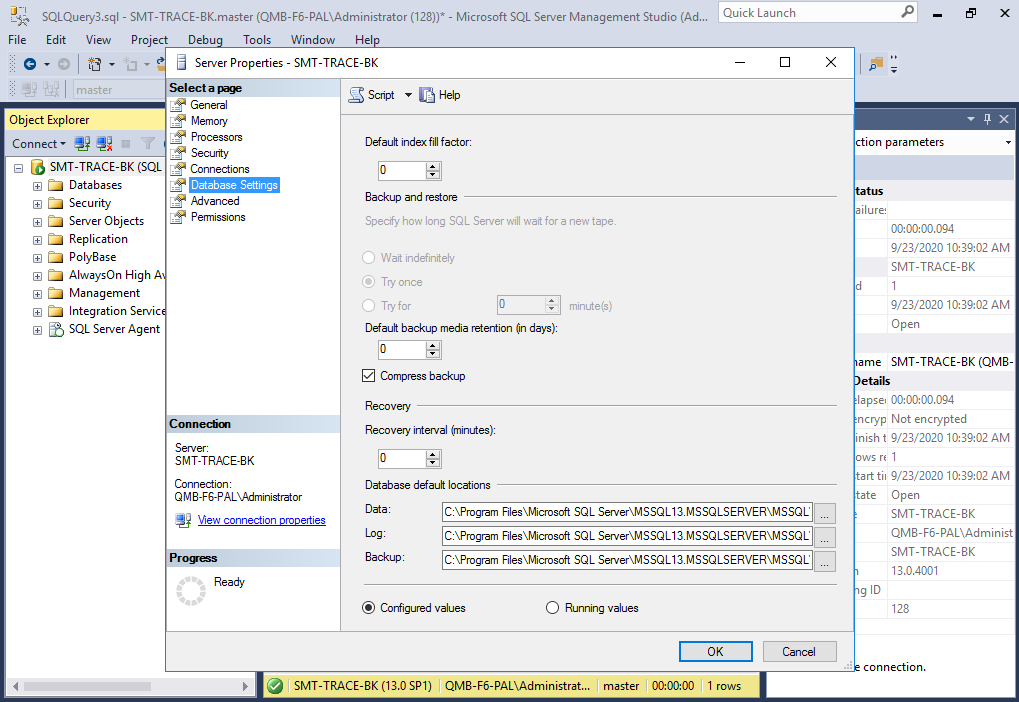
**Server Memory**

1. Right click at Server database -> Properties -> Memory
2. Choose Maximum **server memory (in MB) for 80 %** of RAM (Ex: at the picture have Ram 1024 GB use 80 % = 819 GB)
3. press OK

****

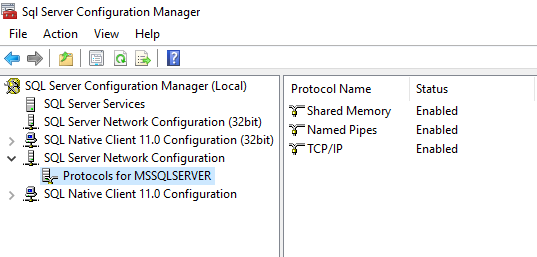
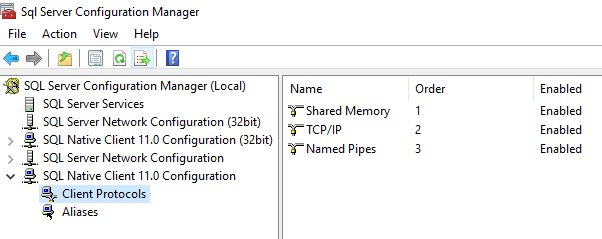
**Check Compress backup setting**

1. DB Server right click and select Properties ->Database Setting
2. make sure the **"Compress backup"** is checked

2>make sure the "Compress backup" is checked

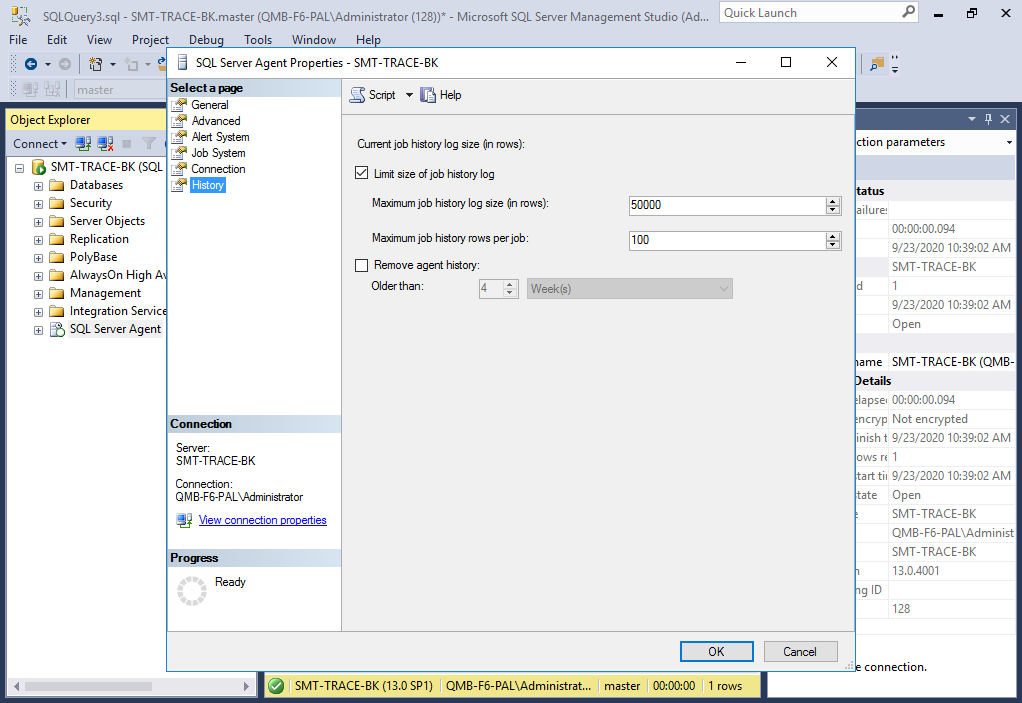
**Check "Name Pipes" and "TCP/IP" must be Enable**

1. Open **SQL Server 2016 Configuration Management**
2. Choose SQL Server Network configuration ->protocols for MSSQLSERVER, and make sure **"Name Pipes" and "TCP/IP"** is **Enable**
3. Choose SQL Native Client 11.0 configuration -> Client protocols, and make sure **"Name Pipes" and "TCP/IP"** is **Enable.**



**Check "SQL Agent" Job History keep quantity**

1. Open **Microsoft SQL Server Management Studio**, and right click **SQL Server Agent and choose property**
2. Select History
3. Set Max Job History **Size is 50000**
4. Set Max Job History for Per Job is **100**



**Open High Level setting**

Exec sp\_configure ‘show advanced option’ ,1;

Reconfigure;

Exe sp\_configure ‘Ole Automation Procedures’ ,1;

Reconfigure;

Exec sp\_configure ‘xp\_cmdshell’ ,1;

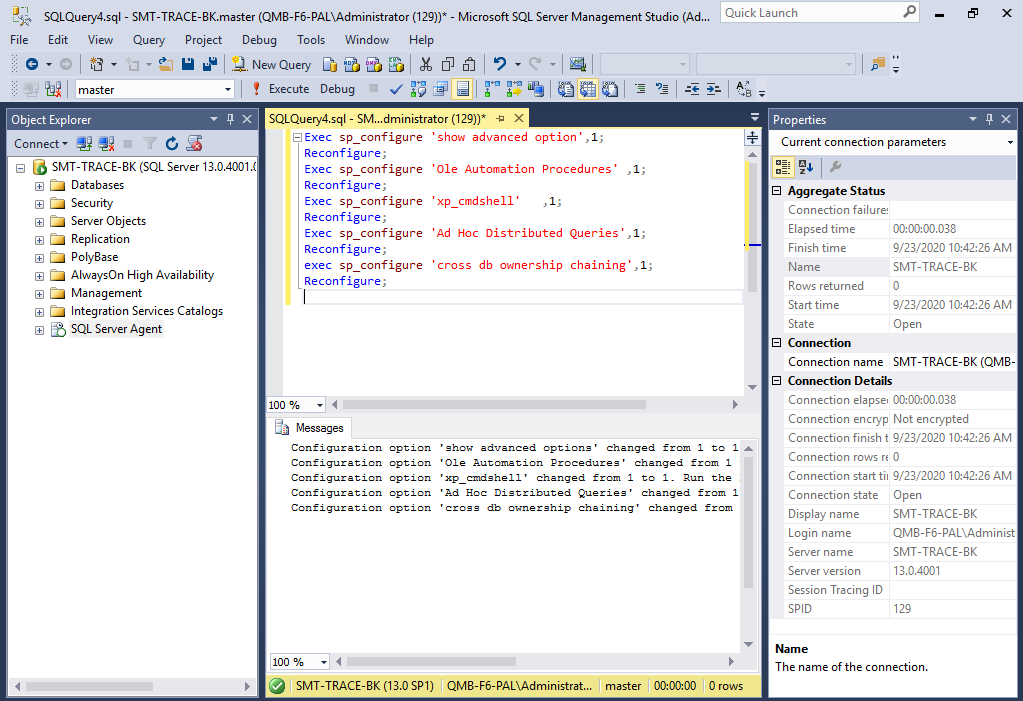
Reconfigure;

Exec sp\_configure ‘Ad Hoc Distributed Queries’ ,1;

Reconfigure;

Exec sp\_configure ‘cross db ownership chaining’ ,1;

Reconfigure;



**Check Firewall**

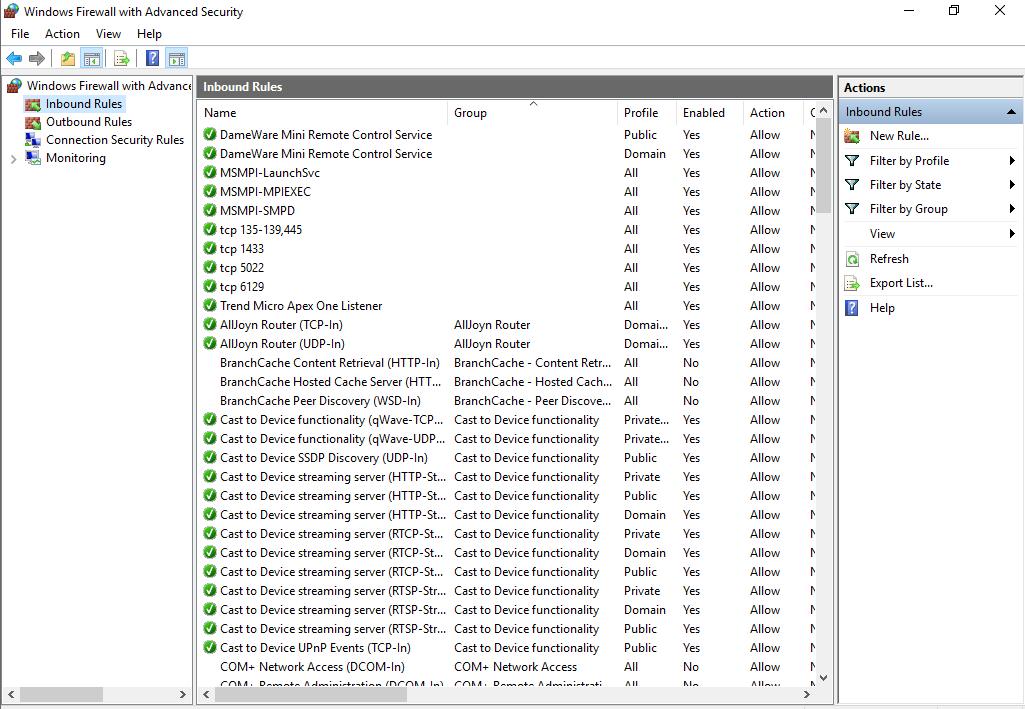
1. Run "**Windows Firewall with Advanced Security**"
2. Check "**Inbound Rules**" and select “**New Rule**”, SNA have to set up.

**- tcp 135-139,445**

**- tcp 1433**

**- tcp 5022**

**- tcp 6129**



**DB Mail Setting**

1. Open **Microsoft SQL Server Management Studio**, spread Management and right click **Database Mail** and select "**Configure Database Mail**"
2. Select "**Manage Database Mail accounts and profiles**" and press Next
3. Select "**Create a new account**" and press Next
4. Keying the info as below:

Account name: **QMS\_QMB**

Description: **QMB DB**

Email address: **QMS\_QMB@quantacn.com**

Display name: **QMS\_QMB**

Server name: **10.17.37.71** Port number: **25**

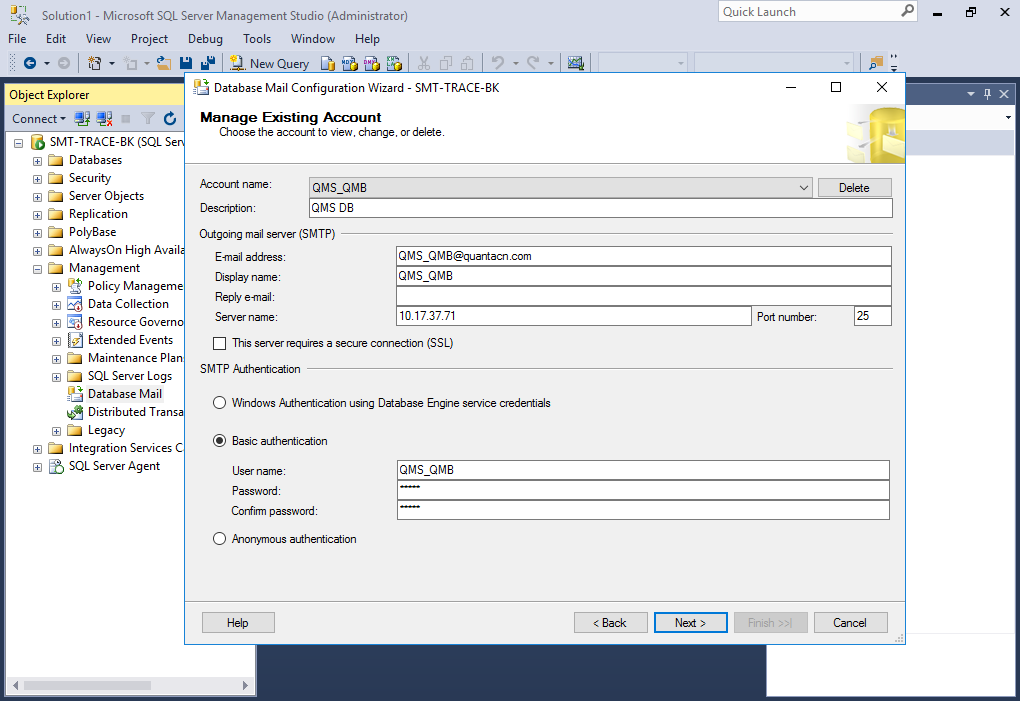
Select Basic authentication

Username: **QMS\_QMB**

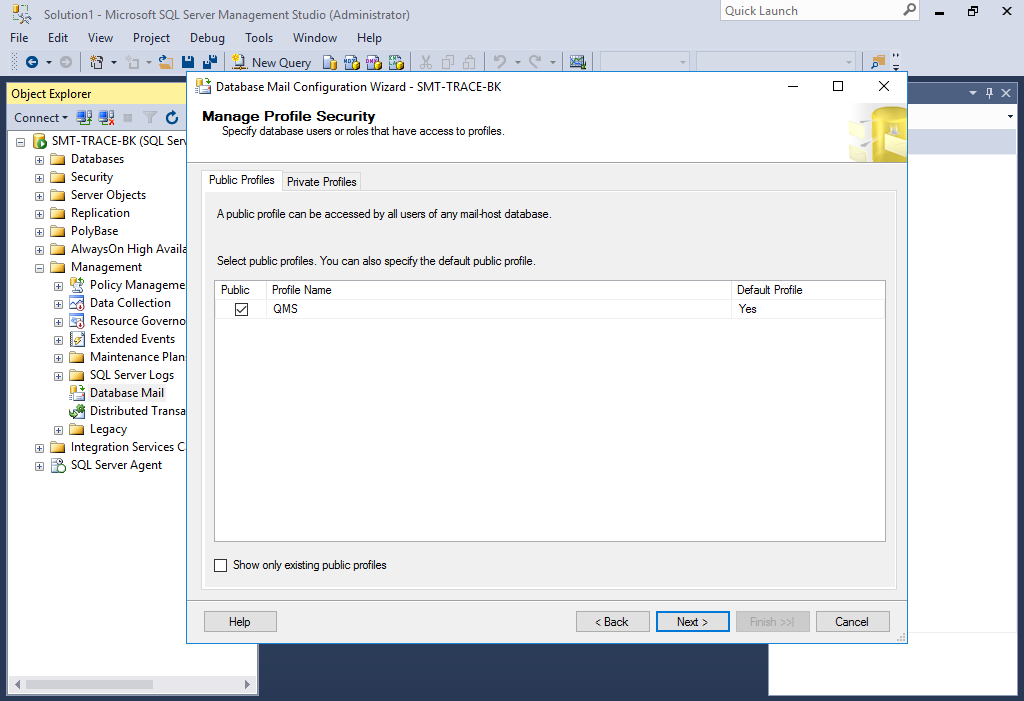
password: **qwer1234!@#$**

1. Press **Next**

Note: If server name not working try to use **10.96.22.39**

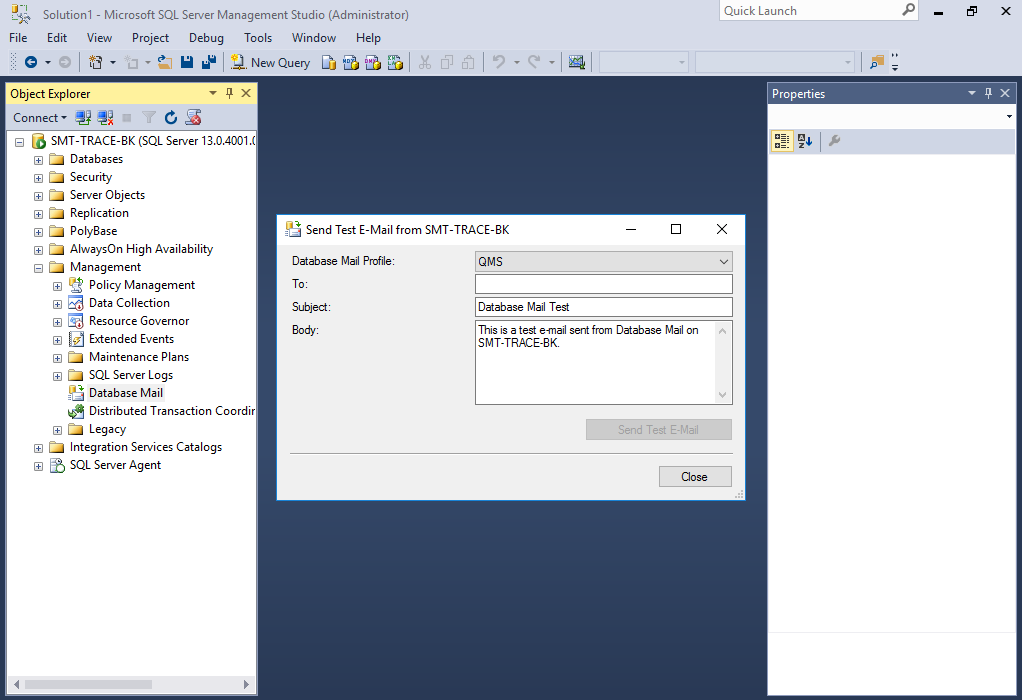


1. Right click **Database Mail** and select "**Set up Database Mail by performing the following tasks**" and press Next
2. Key in Profile **name: QMS** and press "Add"
3. Accounting Name choose **QMS\_QMB** and press OK
4. press Next

9>In "Manage Profile Security" page, checked "Public" and Default profile choose "YES" on QMS profile name, and press Next

**Send Test E-Mail from Database Mail**

1. Open Microsoft SQL Server Management Studio, spread Management and right click **Database Mail** and select "**Send Test E-Mail**"
2. Choose "**QMS**" on Database Mail profile and key in your email address on To, finally press "**Send test E-mail**"
3. Go to your mailbox to see this e-mail is success or not.

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