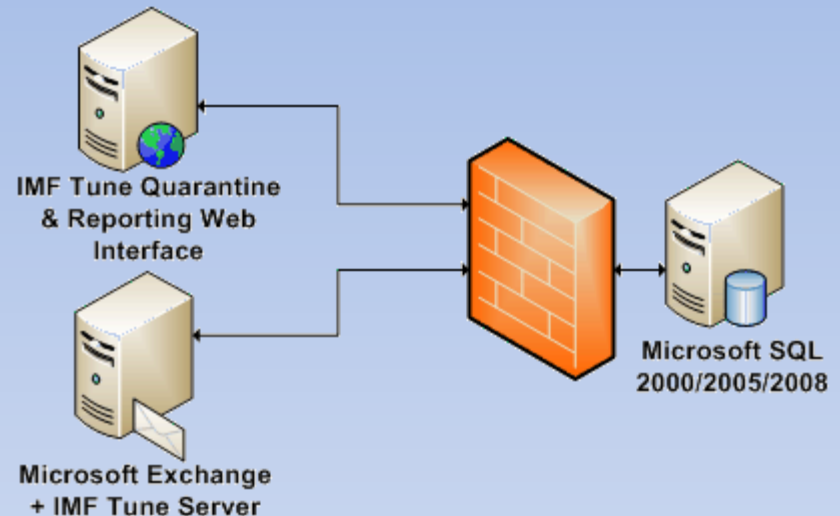# IMF Tune Quarantine & Reporting – Running SQL behind a Firewall

Basic Setup

- Quarantine & Reporting Web Interface must be installed on the same Windows Domain as the SQL Server

- IMF Tune Server can be installed on a different domain or a machine that is not part of any domain.
- All MS SQL versions 2000, 2005, and 2008 are supported. Including SQL Express 2005 and 2008.

MS SQL Default Instance

- Only one SQL Default Instance can be installed per machine

- At IMF Tune connect to a Default SQL Instance using:

    <Machine name > OR

    <IP>

- Default SQL Instance binds to TCP port 1433

MS SQL Named Instances

- You can have multiple SQL Named Instances per machine

- At IMF Tune connect to a Named Instance using:

  <Machine Name>\<Instance Name> OR

  <IP>\<Instance Name>

- Named SQL Instances bind to a TCP port selected dynamically on start-up

General MS SQL Configuration

1. Enable SQL Server TCP/IP protocol

2. Make sure SQL is binding to a fixed port
   - Default SQL Instance uses TCP 1433
   - Assign Named SQL Instances a port manually (typically 14330)

3. Enable the SQL Browser Service (especially in case of SQL Named Instances)

4. Ensure both SQL and Windows Authentication are allowed

General MS SQL Config (contd.)

5. Optionally enable SA login to facilitate IMF Tune server registration in DMZ configurations

6. Open Ports at the firewall:
    – Default SQL Instance Port: TCP 1433
    – Named SQL Instance Port: TCP <# set in step 2>
    – SQL Browser Service Port: UDP 1434

7. Restart SQL Server Service

MS SQL 2008 Details

- Enable TCP/IP and set SQL Server port from:

  SQL Server Configuration Manager | SQL Server Network Configuration

- Enable and start SQL Browser Service from:

  SQL Server Configuration Manager | SQL Server Services

- Verify both SQL and Windows Authentication are allowed from:

  SQL Server Management Studio | Server Properties | Security

MS SQL 2008 Details (contd.)

- Set the SA login password from:

  SQL Server Management Studio | Security | Logins | SA <properties> | General

- Enable SA login from:

  SQL Server Management Studio | Security | Logins | SA <properties> | Status

MS SQL 2005 Details

Same as for SQL 2008 except that:

- In SQL 2005 Express the SQL Server Management Studio is a separate download.

- Enable TCP/IP from:

  SQL Server Surface Area Configuration

MS SQL 2000 Details

- Minimum version MS SQL 2000 SP4

- Free MSDE Database is NOT supported

- SQL 2000 includes the SQL Server Resolution Protocol (SSRP) instead of Browser Service

- SSRP runs within the SQL Server Service and binds to UDP 1434

- Confirm TCP/IP is enabled from:

  Server Network Utility | General

Notes for MS SQL 2000 (contd.)

- Verify and set SQL Server port from:

  Server Network Utility | General | TCP/IP <properties>

- Verify both SQL and Windows Authentication are allowed from:

  Enterprise Manager | Server Properties | Security

- Set the SA login password from:

  Enterprise Manager | Security | Logins | SA <properties> | General

- There is no SA login enablement switch

IMF Tune Database Registration

- Install the IMF Tune Quarantine & Reporting Component

- Following the installation complete the Database Connection Wizard

- If the Wizard fails, restart this from the newly installed application Program Group

- At the IMF Tune server configuration, register the server with the Quarantine Database to enable uploading of email information

Final Tips

- At IMF Tune, enter the SQL Server name manually:
  - If UDP 1434 is not open
  - If running SQL 2005/2008 and the SQL Browser Service is not started

- When the IMF Tune server and MS SQL are not on the same domain:
  - The SQL Server Machine name must be resolvable via DNS, otherwise use the SQL Server machine IP
  - Use SQL Authentication (for example the SA account) for registering the IMF Tune server

Links

IMF Tune Homepage/Download:

http://www.windeveloper.com/imftune/

WinDeveloper Video Tutorials:

http://www.windeveloper.com/imftune/tutor/

WinDeveloper YouTube Channel:

http://www.youtube.com/user/windeveloper/

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