

## Connection SQL Server

### 1 Network

ping -a IP-Address

ping -a Server name

nslookup

### 2 SQL Server Configuration

SCM (SQL Server Configuration Manager) enable protocol connection log file  
%ProgramFile%\Microsoft SQL Server\MSSQLxx.xxx\MSSQL\Log

server run "SQL Browser" client connect

### 3 Firewall Issue

Firewall SQL Browser and SQL Server

Native Protocol Firewall File sharing (SMB)

TCP Protocol Port (default 1433)

UDP Protocol Port (default 1434)

### 4 Client Issue

telnet server-ip-address tcp-port

tools test connect

OSQL (SQL2000) 连接 MDAC

OSQL (SQL2005 & 2008) 连接 SNAC ODBC

SQLCMD (SQL2005 & 2008) 连接 SNAC OLEDB

SQL Management Studio (SQL2005 & 2008) 连接 SQLclient

osql -E -SYour\_target\_machine\Your\_instance (Windows Auth)  
osql -Uyour\_user -SYour\_target\_machine\Your\_instance (SQL Auth)  
SQLCMD -Stcp:Your\_target\_machine, Tcp\_port (for TCP)

SQLCMD -Snp:Your\_target\_machine\Your\_instance" (for Native Protocol)  
SQLCMD -Slpc:Your\_target\_machine\Your\_instance" (for Shared Memory)

net view \\sqlserver (连接)

net use \\sqlserver\share (连接 SMB protocol)

连接 ODBC 连接 DSN 连接 connect 连接 test 连接

ODBC “\windows\system32\odbcad32.exe”

## 5 Application Issue

Application user authn

Application SQL driver

Information Connect

<http://www.connectionstrings.com/sql-server-2008>

## 6 authn (mixed / sql) SCM -> Connection properties -> security

user database connect  
event Windows