

## Configuring Remote SQL Backups with BackupAssist ®

### SQL Requirements:

#### Ensure SQL is configured to allow remote connections

- Click 'Start -> All programs -> Microsoft SQL Server 2005 -> Configuration Tools'. Once you open the Configuration Tools folder, you will see SQL Server 2005 Surface Area Configuration - run this program.
- Click on 'Surface Area Configuration for Services and Connections'
- Select 'Remote Connections' from the left hand pane. In the right hand pane, make sure that 'Local and Remote Connections' and 'Using both TCP\IP and Named Pipes' are selected.
- Click 'OK' and then 'Close' the configuration tool. You may need to restart SQL Server for the changes to take effect.
  
- Click 'Start -> All programs -> Microsoft SQL Server 2005 -> Configuration Tools'. Once you open the Configuration Tools folder, you will see SQL Server Configuration Manager - run this program.
  - Click on Services on the left hand pane. You should see at least two entries, SQL Server and SQL Browser.

While you're in the Configuration Manager, navigate to SQL Server 2005 Network Configuration - Protocols for MSSQLSERVER. Check that TCP\IP and 'Named Pipes' are enabled. If not, right click on it, then click 'Enable'. You may get a message saying that SQL Server will need to be restarted for the changes to take effect, do not restart at this stage, and just cancel the message.

#### Ensure SQL is configured to listen on port 1433

- Right click on TCP\IP as you did in the previous step. Select Properties
- Click on the 'IP Addresses' tab. This section will contain an entry for each network adapter you have installed on your computer. For each entry, check that TCP Dynamic Ports is blank (delete any zeros if present) and that TCP Port equals 1433.
- Click OK or Apply. You will get a message saying you need to restart SQL Server, you can do this manually if you know how, otherwise just restart the computer.
- Close the Configuration Manager.

### **Ensure that port 1433 has been opened in the Windows Firewall**

- Click 'Start' and open the 'Control Panel'
- Double click 'Windows Firewall'
- Click the 'Advanced Settings' link on the top left portion of the window
- High light 'Inbound Rules' on the top left and click the 'New Rule..' link on the top right portion of the window
- Place the dot next to 'Port' and click 'Next'
- Type '1433' into the 'Specific local ports' text box and click 'Next'
- Place the dot next to 'Allow the connection' and click 'Next'
- Leave the default configuration and click 'Next' to continue
- Type a meaningful name and description for the rule and click 'Finish'

### **Create a 'sa' password in SQL**

- Launch the 'SQL Server Management Studio' and connect to your database
- Expand 'Security' on the left portion of the window and then expand 'Logins' below
- Right click on the 'sa' account and choose 'Properties'
- Type the password into both text boxes provided
- Click the 'Status' link on the left portion of the window
- Ensure that 'Login' is set to 'Enabled'
- Click 'OK' to save your changes

### **Create a 'backup' user in Windows on the SQL server**

- Click 'Start' and open the 'Control Panel'
- Double click 'User Accounts'
- Create user called 'backup' and grant 'Backup Operators' permissions

**OR**

- Launch Active Directory Users and Computers
- Create a user called 'backup' and grant 'Backup Operators' permissions

The service may need to be restarted

## **Configuring the BackupAssist Machine:**

### **Create a 'backup' user with identical credentials to the user created on the SQL machine**

- Click 'Start' and open the 'Control Panel'
- Double click 'User Accounts'
- Create user called 'backup' and grant 'Backup Operators' permissions

**OR**

- Launch Active Directory Users and Computers
- Create a user called 'backup' and grant 'Backup Operators' permissions

### **Create a new SQL job in BackupAssist**

- Launch 'BackupAssist'
- Click the 'Create a New Job' link at the top
- Place the dot next to 'SQL' and click 'Next'
- Choose your 'scheme' and click 'Next'
- Choose your 'Directory Path' and click 'Next'
- Type the IP address into the text box provided and click the 'Connect' button
- When prompted type your 'sa' user credentials into the text box and click 'Next'
- Type a meaningful name and job description into the text boxes provided and click 'Finish' to save your configuration