

| Serial | Instruction | | |
|--------|---|--|--|
| | Overview The Sensor Manager Application and the Web Portal Application must be connected to a backend database to operate correctly. | | |
| | The backend database can be one of 3 types: | | |
| | Microsoft[™] SQL Server. Microsoft[™] SQL Server Express. Microsoft[™] SQL Server Express LocalDB (included with Sensor Manager Application). | | |
| | The Sensor Manager Application and Web Portal Application can switch between several databases, but can only connect to one database at any one time. | | |
| | Multiple Sensor Manager Applications can connect to a backend database at the same time from different Microsoft™ Windows host machines. | | |
| | This runbook includes the tasks to be completed, to build a Sensor Manager Application backend database onto a Microsoft™ SQL Server Database. | | |
| 1. | Start the Sensor Manager Application. Click on the Admin Panel. Click the database icon at the top-right of the menu bar. | | |
| 2. | Click on the button in the bottom left marked with 'SQL Server'. Database Type Microsoft SQL Database server/instance Database Name sinifia Login Name sinifiadimin v Password concel OK Database Build Script | | |



| 3. | Select all of the text. Right click and copy all of the text. Note: Alternatively click Ctl + A followed by Ctl + C | DatabaseM/SQLtxt - Notepad File Edit Format View Help |
|----|---|--|
| | | CO CREATE TABLE AuditLog (TimeStamp datetime NULL GO CREATE TABLE Rules (SignatureID numeric(18, 0) GO CREATE TABLE Syslog (alertId numeric(18, 0) ID GO CREATE TABLE Syslog (alertId numeric(18, 0) ID CREATE TABLE Transformed (TD int TDENTITY CREATE TABLE Transformed (TD int TDENTITY CREATE TABLE TABLE Syslog (alertId numeric(18, 0) ID CREATE TABLE TABLE Syslog (alertId numeric(18, 0) ID CREATE TABLE Syslog (alertId numeric(18, 0) ID CREATE TABLE TABLE Syslog (alertId numeric(18, 0) ID CREATE TABLE TABLE Syslog (alertId numeric(18, 0) ID CREATE TABLE TABLE Syslog (alertId numeric(18, 0) ID CREATE TABLE TABLE Syslog (alertId numeric(18, 0) ID CREATE TABLE Syslog (alertId numeric(18, 0) ID CREATE TABLE TABLE Syslog (alertId numeric(18, 0) ID CREATE TABLE Syslog (alertId n |
| 4. | Open Microsoft™ SQL Server Management Studio on the Windows™ host machine you wish to build the SQL database onto. | All Apps Documents Web More 0 * App Best match Image: Construction of the set of the web App Studio 18 - See web results Image: Construction of the set o |
| 5. | Click on the 'New Query' button. | Dew Query |
| 6. | Paste the text from the clipboard to the 'New Query' window. <i>Note:</i> <i>You can paste text using Ctl + V</i> | <pre>I I I I I I I I I I I I I I I I I I I</pre> |

2



| 7. | Click on the 'Execute' button. | Execute |
|----|--|---|
| | Ensure to get no Errors recorded in the 'Messages' window. | 100 % • • • Messages (1 row affected) (1 row affected) |
| 8. | Check that database appears in the instance tree. | sniffa Tables Views External Resources Synonyms Programmability Service Broker Storage Security |
| 9. | Add New Login and ensure that the user mapping is set to 'db_owner' for the database that has just been created. | I Login Properties - suffaadmin X Select a pop |





| 10. | Ensure that the database Server Authentication is set to 'SQL Server and Windows Authentication'. | Server Properties - locatives Select a page Press Pre | AXX |
|-----|--|---|---|
| 11. | Connect to the database using the Sensor Manager Application and valid Database Login credentials. Note: For MS SQL Server use: Localhost\ Without the instance name. For MS SQL Server Express use something similar to: Localhost\SQLEXPRESS For MS SQL Server Express LocalDB use: LocalDB From the drop down list. | Database Connecti Database Type Microsoft SQL Data Server/Instance Database Name sniffa Login Name sniffaadmin Password Test Database Build Scrit EQU Server | on Details (v.1.02.004) × abase |
| 12. | Configurations for the Web Portal Application. Start IIS from the Windows™ Start Icon. | All Apps Documents Web Best match Manager Manager Manager Manager Apps Internet Information Services Manager < | More Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: Comparison of the location Image: |



| 13. | Select the Sniffa Web Site from the tree Sniffa on the left hand side. | | |
|-----|--|--|--|
| 8. | Select 'Connection Strings' from the Connection Strings' from the Strings 'Connection 'Strings' | | |
| 9. | Add a Connection String that matches the environment. | | |
| | <pre>Using a MS SQL Server: Server=localhost\; Database=sniffa; User Id=sniffaadmin; Password=********;</pre> | | |
| | Using a MS SQL Server Express: Server=localhost\SQLEXPRESS; Database=sniffa; User Id=sniffaadmin; Password=********; | | |
| | Using the MS SQL Server Express LocalDB: Data Source=(localdb)\MSSQLLocalDB; AttachDbFileName=C:\Program Files (x86)\SniffaServer\sniffa.mdf; Initial Catalog=sniffa; | | |
| | Note: input correct password instead of *********************************** | | |
| 10. | For Remote Connection (if required) Open SQL Server Configuration Manager from the Windows Start Menu. SQL Server 2019 Configuration Manager App | | |
| 11. | Select Protocols for MSSQLSERVER. Select TCP/IP. Select TCP/IP. Sol Server Configuration Manager (Local) Sol Server Network Configuration (32bit) Sol Server Network Configuration (32bit) Sol Server Network Configuration Sol Server | | |



| 4.2 | | |
|-----|---|--|
| 12. | Select the tab marked 'Protocol'. | TCP/IP Properties ? × |
| | Select 'Yes' from the list alongside the Field marked 'Enabled'. Click on the button marked 'OK' to save. | Protocol IP Addresses |
| | | Enabled Enable or disable TCP/IP protocol for this server instance OK Cancel Apply Help |
| 13. | Open Windows Defender Firewall from the Windows Start Menu. Click on the Menu Item marked 'Advance | Windows Defender Firewall Control panel |
| | settings' from the left hand menu. | Advanced settings |
| 14. | Select 'Inbound Rules' from the left hand menu. | Windows Defender Firewall with Inbound Rules Outbound Rules |
| | Select 'New Rule' from the right hand menu. | Actions |
| | | New Rule |
| 15. | Add a new rule to allow port TCP 1433. | Protocol and Ports Specify the protocols and ports to which this rule applies. |
| | Give the rule a unique name and click the button marked 'Finish' to save and enable the rule. | Steps: Does this rule apply to TCP or UDP? Protocol and Ports Image: TCP Action UDP Profile Does this rule apply to all local ports or specific local ports? All local ports Image: All local ports Specific local ports: Image: All local ports Example: 80, 443, 5000-5010 |
| 16. | End of Runbook. | |