ManageEngine ADAudit Plus

Using MS SQL Server as Backend

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Pre-requisites

1. Ensure the SQL Server Native Client is installed in the computer where ADAudit Plus is running.
2. Copy "bcp.exe" and "bcp.rll" to the "<Installation Folder>\bin" folder., eg., C:\Program Files\ManageEngine\ADAudit Plus\bin
   a. These files are available in "Command line utilities for SQL Server", please ensure version compatibility while installing [[download details](#)]

Execute "ChangeDB.bat" in ADAudit Plus

1. Now, you need to provide the details about the SQL server to ADAudit Plus by executing the file ChangeDB.bat
2. Navigate to "<ADAudit Plus Installation Folder>/bin" folder and execute "ChangeDB.bat"
3. Select 'Server Type' as SQL Server and enter other values
   a. **Host Name**: The name or the IP address of the machine where MSSQL server is installed.
   b. **Port**: The port number in which ADAudit Plus must connect with the database. Default is 1433.
   c. **MSSQL Server Instances** : The available SQL Server instances are listed here, select the appropriate one.
   d. **Database Name:** Name of the AdAudit Plus database. Default is "adap". If you want to have a different database name, you may specify here.
   e. **Authentication**: The way in which you would like to connect to the SQL server.
      i. **Windows Authentication**: If you are connecting to the SQL server from Windows, you have the option to make use of the Windows Single Sign On facility provided ADAudit Plus service is running with a service account, which has the privilege to connect to SQL server.
      ii. **SQL Authentication**: Using accounts that are created in SQL Server and are not based on Windows user accounts
      iii. **Note:** It is recommended to choose the option 'Windows' as the username and password used for authentication are not stored anywhere.
   f. **User Name and Password**: If you have selected the option "SQL", specify the user name and password with which ADAudit Plus needs to connect to the database.
   g. The user name and password entered here will be stored in "database_params.conf" file in ADAudit Plus. So, you need to take care of hardening the host.
   h. Finally, click "Test Connection" to ensure that the connection settings are proper and then click "Save"

Download details - Command line utilities for MS SQL Server

SQLServer Version	Command line utilities	Native Client
2005	Download	Download
2008 R2	Download	Download
2012	Download	Download

Points to be noted

1. "dbcreator" - Server role is suffice for MS SQL Server operations.
2. If firewall is ON in the MS SQL Server computer, please ensure TCP - 1433 and UDP - 1434 are open.
3. "SQL Browser" service should be running on MS SQL Server.