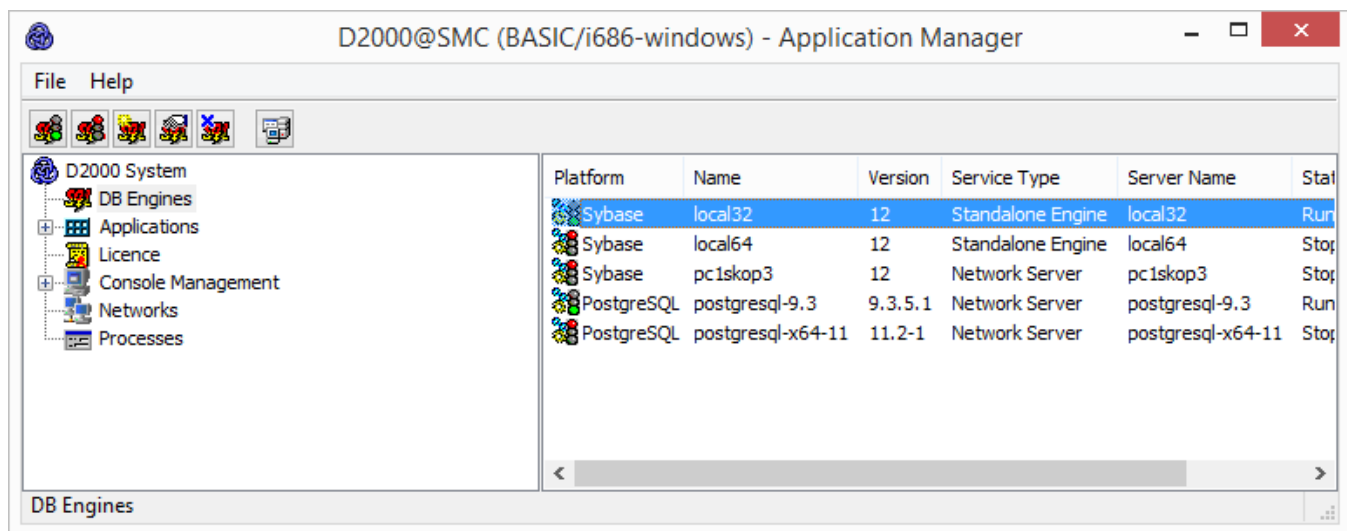# Database servers management

D2000 system uses SQL databases, that are accessible via ODBC interface, as data storage. By default, the following databases are supported:

- PostgreSQL
- SQL Adaptive Server Anywhere from the Sybase company
- Microsoft SQL Server respectively its freeware version Microsoft Desktop Engine (MSDE)

The following table displays the number of connections to the database server:

Proces	Connection name	Number
D2000 Server	Configuration	3
	Log database depository	+3
	Backup (triggered externally)	+1
Archive	Archive database	3 (and more, depending on performance configuration)
	Archive depository	+3
	Backup	+1
DBManager	(configuration dependent)	

The table above shows, that any simple application with enabled both the log database depository and the process Archive can use as many as 14 connections to the database server. Selecting the option **DB Engines** in the process D2000 Application Manager, the window has looks like this one:

Clicking the right mouse button on an existing server, you can carry out the following operations:

New Server	Creates a new DB server
Edit	Allows to modify the selected DB server
Delete	Deletes the selected DB server
Run	Runs the selected DB server
Stop	Stops the selected DB server

Creating new MSDE database servers (engines) through the D2000 Application Manager process is not supported, because the servers are created by the MSDE installation.

Creating a new PostgreSQL through the D2000 Application Manager process is not supported, because the servers are created by the PostgreSQL installation.

Sybase database server parameters:

The following dialog box will appear after selecting the **New Server** item in the pop-up menu:

Service Name	The name of a system service, used for the database server. The server name is appended automatically according to *Service Name*, but it may be changed - it is a word placed after the parameter *-n* in the input field Parameters.
Service Type	If the Sybase Network server is installed, it is possible to configure it. The network server is not limited to a number of connections.
Version	Selection of a version.
Path for executable	Path to an *exe* file representing the database server. The file is different according to the selected *Service Type.*
Startup	Definition of the server start-up. In this case, if the radio button **Automatic** is not selected, the service will be started automatically by the process D2Start that starts the process D2000 Server, too.
Parameters	Server start parameters:

		-c 8M	cache size
		-nD2000_X	name of the database server (Engine Name)
		-m	deleting the log file after finishing the use of the database
		-gp 4096	page size
		-gd ALL	the setting of database access level