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Pump Magic 2.0 Support Documentation



*Technical Overview and Support
Documentation Version 1.0*



Technical Overview and Support Documentation

Technical Requirement Overview

General System Requirements

Minimum Hardware Requirements

- Intel Pentium III 500Mhz
- 256 MB RAM
- 20GB Hard Drive
- AGP Video Card
- 10/100 NIC Card

Supported Software Systems – Workstation

Operating Systems

- Microsoft® Windows™ NT 4.0 Service Pack 6.0a
- Microsoft® Windows™ 2000
- Microsoft® Windows™ XP
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Supported Software Systems – Network

Operating Systems

- Microsoft® Windows™ NT 4.0 Server Service Pack 6.0a
- Microsoft® Windows™ 2000 Server

Database Servers

- Microsoft® SQL Server™ 2000 (MS SQL)

Operating System Configuration Overview

Workstation

Individual Workstation System Configuration Requirements

- Pump Magic 2.0

Network Workstation System Configuration Requirements

- Clients For Microsoft® Networks
- NETBEUI
- TCP/IP Protocol

- Pump Magic 2.0

Server

Network Server System Configuration Requirements

- Clients For Microsoft® Networks
- NETBEUI
- TCP/IP Protocol
- Database Engine
 - Microsoft® SQL Server™ 2000

Pump Magic Database Setup, Upgrade & Configuration

Workstation to Workstation Conversion

Pump Magic 1.0 MS Access to Pump Magic 2.0 Access

In order to take complete advantage of Pump Magic 2.0 while maintaining usage of Pump Magic 1.0 database, a database conversion must first be processed.

1. Install Pump Magic 2.0
2. Open Pump Magic 2.0, click **Okay** at initial prompt.
3. Click File, **Convert PM1 DataBase**, then in **Open File Name**, specify the Pump Magic 1.0 database.
4. In **Save as File Name**, specify the new Pump Magic 2.0 file name, and then click **Save**.
5. Answer prompt questions accordingly.
6. When prompted to save conversion log, click **Yes**, specify a file name, and then click **Save**.
7. To open the newly converted Pump Magic 2.0 database, click File, **Open Database**, specify the new database.

Workstation to Network Server Conversion

Pump Magic 1.0 MS Access to Pump Magic 2.0 MS SQL

For fast, reliable, and large scale Pump Magic operation the 1.0 database must be converted into either a MS SQL database using Pump Magic 2.0. In order to take advantage of MS SQL, the database engine must be installed prior this conversion process. *See "Operating System Configuration Overview."*

1. Install Pump Magic 2.0
2. Open Pump Magic 2.0, click **Okay** at initial prompt.
3. Click File and then click **SQL Server**. *This should check the SQL Server option.*
4. Click File, **New**, and then specify the proper information, including the server name, new Pump Magic 2.0 database file name, username (login created in Database Engine Configuration), and password. *This should pop up a command prompt where Pump Magic will begin creating the new database.*

5. After the command prompt has disappeared click File, **Convert PMI DataBase**, and then in **Open File Name**, specify the Pump Magic 1.0 database.
6. When prompted for Destination Database, specify the same information specified in Step 4.
7. Answer prompt questions accordingly.
8. When prompted to save conversion log, click **Yes**, specify a file name, and then click **Save**.
9. To open the newly converted Pump Magic 2.0 database, click File, **Open Database**, specify the new database.

Workstation to Network Server Conversion

Pump Magic 2.0 MS Access to Pump Magic 2.0 MS SQL

As an option Pump Magic 2.0 MS Access database can be upgraded for large scale support to MS SQL or MSDE at any time after implementing the database engines according to “Operating System Configuration Overview.”

MS Sequel Technical Reference

User Administration

For security purposes you may limit users only to a specific Pump Magic database or maintain multiple database users. By default the creator of the database (the user specified when creating a Pump Magic database) is the only user allowed to access and take control of the database, as required by Pump Magic. Typically the new database will be created by a system administrator using an administrative account that may not be used for daily usage for accessing the Pump Magic database. The following procedure will create a new user and assign proper permissions to allow that user to access the Pump Magic database.

Microsoft® SQL Server™ 2000

1. Expand Server Group; then expand a server.
2. Expand Security; right-click Logins, and then click **New Login**.
3. In **Name**, enter a name for Microsoft® SQL Server™ login.
4. Select **SQL Server™ Authentication**.
5. Optionally, in **Password**, enter a password.
6. Optionally;
 - In **Database**, click the default database to which the login is connected after logging into SQL Server™
 - In **Languages**, click the default language in which messages are displayed to the user.
7. Confirm the password entered.

Microsoft® Desktop Engine™

1. Create a text file;
 - a. Click Windows™ Start, click Run, type **notepad**, and then click **Open**.
 - b. Type the following statement;


```
USE 'Master'
```

- ```
EXEC sp_addlogin 'login', 'password'
USE 'databasename'
EXEC sp_grantdbaccess 'login', 'login'
EXEC sp_addsrvrolemember 'login', 'sysadmin'
```
- c. Click File, and then **Save**.
  - d. In **File Name**, enter adduser. *Make sure you remember the saved file location.*
2. Click Windows™ Start, click Run, type **cmd**, and then click **Open**.
  3. Type the following statement; and execute. When prompted for 'password:' leave blank and press **Enter**.

```
OSQL -S <SQLServer> -U sa -n -i <path>\adduser.txt
```

### Command Line Reference

**sp\_addlogin** (T-SQL) creates a new Microsoft® SQL Server™ login that allows a user to connect to a server running SQL Server™ using SQL Server™ Authentication.

#### Syntax

```
sp_addlogin [@loginame =] 'login'
 [,[@passwd =] 'password']
```

#### Arguments

**[@loginame =] 'login'**

Is the name of the login.

**[@passwd =] 'password'**

Is the login password.

**sp\_addsrvrolemember** (T-SQL) Adds a login as a member of a fixed server role.

#### Syntax

```
sp_addsrvrolemember [@membername =] 'login',
 [@rolename =] 'role'
```

#### Arguments

**[@membername =] 'login'**

Is the login account being added to the role.

**[@rolename =] 'role'**

Is the name of the SQL Server™ role in the master database.

## Backup & Restore

These procedures will allow you to backup and restore your database from a specific location.

### Microsoft® Desktop Engine™ Backup

1. Create a text file;
  - a. Click Windows™ Start, click Run, type **notepad**, and then click **Open**.
  - b. Type the following statement;

```
BACKUP DATABASE 'databasename'
TO DISK = '<path>\backupname.bak'
```
  - c. Click File, and then **Save**.
  - d. In **File Name**, enter backup. *Make sure you remember saved file location.*

2. Click Windows™ Start, click Run, type **cmd**, and then click **Open**.
3. Type the following statement; and execute. When prompted for 'password:' leave blank and press **Enter**.

**OSQL -S <SQLServer> -U sa -n -i <path>\backup.txt**

#### **Microsoft® Desktop Engine™ Restore**

1. Create a text file;
  - e. Click Windows™ Start, click Run, type **notepad**, and then click **Open**.
  - f. Type the following statement;  
**RESTORE DATABASE 'databasename'**  
**FROM DISK = '<path>\backupname.bak'**
  - g. Click File, and then **Save**.
  - h. In **File Name**, enter restore. *Make sure you remember saved file location.*
2. Click Windows™ Start, click Run, type **cmd**, and then click **Open**.
3. Type the following statement; and execute. When prompted for 'password:' leave blank and press **Enter**.

**OSQL -S <SQLServer> -U sa -n -i <path>\restore.txt**