

# **Resource Standard Metrics**

## **Installation Details**

### **Workstations and Servers**

RSM and RSM Wizard  
Version 7.50+

# Licenses and Installation

- Single user licenses apply to local workstation installations.
  - Single Named User
  - Windows uses an installer
  - Linux/UNIX, user chooses the installation location
  
- Multi-user licenses apply to network installations.
  - Licenses are floating by named user
  - If the number of named users is exceeded, user can manage the named users with the `-u` switch, but RSM is not limited by this condition
  
- This document is Windows focused but all concepts and environment variables hold for Linux and UNIX. Specific shell commands are shell type depended.



# Installation on a local workstation, command line execution

- RSM installation contains the following files (RSMHOME)  
All files for can be located through a environment variable called RSMHOME that points to the installation directory
  - Executable File (RSMHOME)
    - rsm.exe – Windows
    - rsm.lnx – Linux 32 bit (Linked under Fedora 7)
    - rsm.static.lnx – Linux 32 bit statically linked useable in all Linux
    - rsm.64.lnx – Linux 64 bit
    - rsm.static.64.lnx – Linux 64 bit statically linked
    - Universal UNIX – requires rsm.c for recompilation, purchased license
  - License File (RSMLICHOME)
    - rsm.lic – binary file, locked content do not edit or RSM will be disabled
    - The license file can be relocated if the client declares the environment variable RSMLICHOME to point to the directory containing the license file.
  - Log File (RSMHOME)
    - rsm.log – RSM writes to this file during operation to track uses of RSM
  - Configuration Files (RSMCFGHOME)
    - rsm.cfg – Master RSM configuration file, self documenting, a must read
    - rsm\_macro.cfg – Macros used in your source code
    - rsm\_work\_diff.cfg – Rarely used setting for work file differentials
    - rsm\_udqn.cfg – User definable quality notices using regular expressions
    - All config files can be relocated using the RSMCFGHOME environment variable



# Installation on a local workstation, command line execution

- When executing the RSM executable from a command line, the RSM installation folder must be located:

1. **In the local directory/folder**

```
cd c:\Program Files\MSquared\M2 RSM (Windows Installer Location)
rsm.exe -s -r "cpp,h c:\MyProject"
```

2. **In the absolute path/file**

```
cd c:\MyProject
c:\Program Files\MSquared\M2 RSM\rsm.exe -s -r "cpp,h .\"
```

3. **Through the system path**

```
Path=c:\Program Files\MSquared\M2 RSM;%path%
cd MyProject
rsm.exe -s -r "java .\"
```

**"Note: RSM must be first in the system path to avoid the Window's rsm.exe file (Our RSM came first).**



## Installation on Network Server

- Install RSM to a network server in a local area network.
- If users have network permissions to access the installation directory then RSM can be accessed through its network path location.
  - **\\MyServer\RSM**
- Users create a local shared drive to the network installation folder
  - **R:\RSM**
- Each client declares and environment variable RSMHOME to point to this installation.
  - Windows Environment Variables (<http://support.microsoft.com/kb/310519>)
  - IBM resource to setting environment variables (<http://publib.boulder.ibm.com/infocenter/db2luw/v9/index.jsp?topic=/com.ibm.websphere.ii.replication.qrepl.doc/configuring/iiyrgenvtsetluw0.html>)

**set RSMHOME= \\MyServer\RSM**



# Relocating rsm.lic to a central license server

- Assume your license server is:  
`\\LicServer or L:\`
- Assume you install rsm.lic to the RSM directory  
`\\LicServer\RSM or L:\RSM`
- Set RSMLICHOME to this location  
`set RSMLICHOME=\\LicServer\RSM`  
or  
`set RSMLICHOME=L:\RSM`



# Relocating RSM configuration files to a central configuration server

- These settings applies to all rsm\*.cfg files
- Assume your configuration server is:  
\\CFGServer or M:\
- Assume you install all RSM configuration files to the RSM directory  
\\CFGServer\RSM or M:\RSM
- Set RSMCFGHOME to this location  
set RSMCFGHOME=\\CFGServer\RSM  
or  
set RSMCFGHOME=M:\RSM



# RSM Wizard Installation Considerations with RSM

- RSM Wizard Preferences enable the client running the wizard to point to a RSM installation located by the rsm.exe file.
- Assume RSM is installed on a central server.  
**RSM Wizard – [Edit] [Wizard] [Preferences]**  
**Use the RSM [Set] button to browse to the RSM installation folder**
- RSM Wizard 7.50+ is aware of RSMHOME, RSMLICHOME, and RSMCFGHOME
- Network installations are applicable to Multi-User Licenses of RSM.





