

# **MAINVIEW Data Server**

## **Getting Started Guide – Steps for Installation, Configuration of MAINVIEW Data Server**

## MAINVIEW Data Server - Getting Started Guide

### Getting Started Steps for Installation of MAINVIEW Data Server

Welcome to the MAINVIEW Data Server. Before using MAINVIEW Data Server, there are a number of pieces of information that you will need to assemble:

- The **address** and **port numbers** of the MAINVIEW host servers on all of the z/OS images that you wish to monitor. The address can either be numeric (e.g. 192.168.1.100) or symbolic ("SYSTEMA.COMPANY.COM").
- A TSO **user ID** and **password** for each system. It is recommended that the user ID be one used for this program only, and that your security system (e.g. RACF) be used to assign it the privileges needed to retrieve MAINVIEW data only.
- A list of the **fields** that are to be monitored. Each field is identified as to which **context** and **view** it is available under. It might be most efficient to create a custom (user) view with only the fields of interest. Such views should be added to the site view library available on the host servers (UBBVDEF in the server JCL).
- The name of a user **ODBC connector** pointing to a database that will be used to gather the data. Such connectors are built from the ODBC control panel (sometimes located under "Administrative tools"). The exit creates the tables that it needs. If your DBMS vendor supplies JDBC (Java Data Base Connectivity) drivers, these can be more efficient. You need to be familiar with the vendor's documentation to know how to interface to these drivers.

### Step 1

#### *Download the MAINVIEW Data Server*

Go to → <http://SourceForge.net>

\*\* In the search area field, search for MAINVIEW Data Server

or

SourceForge.net MAINVIEW Data Server Link

Link → [http://sourceforge.net/project/showfiles.php?group\\_id=237349](http://sourceforge.net/project/showfiles.php?group_id=237349)

On the Web Page, Select **Download** for the Data Server Installer

Look for, Data Server Installer, check for latest version,

**Double click** the file, Left click, **DataServer2\_0\_xx.msi** , **Select save**

Once the install file is downloaded, **double click** the installer file to begin installation.

**MAINVIEW Data Server** will place an ICON on your desktop.



MAINVIEW Data Server.Ink

Double Click the ICON to launch MAINVIEW Data Server.

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## Step 2

### MAINVIEW Data Server DeskTop ICON,

Double Click ICON, *MAINVIEW Data Server Window will appear.*



Select View, then Setup,  
Select the; **Host Computers** Tab



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### Step 2 - Continued

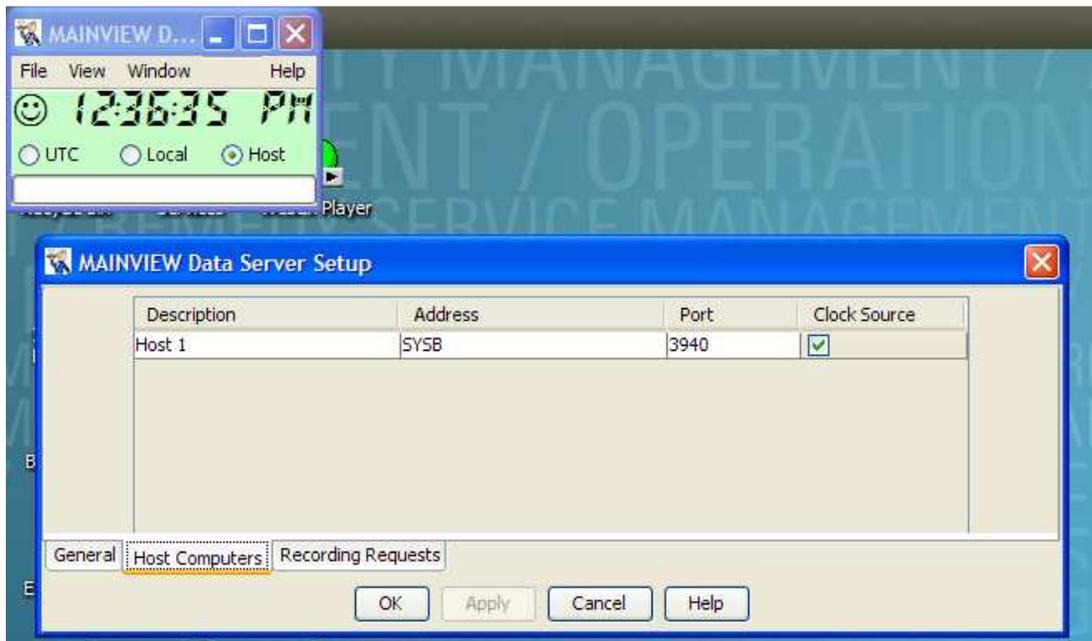
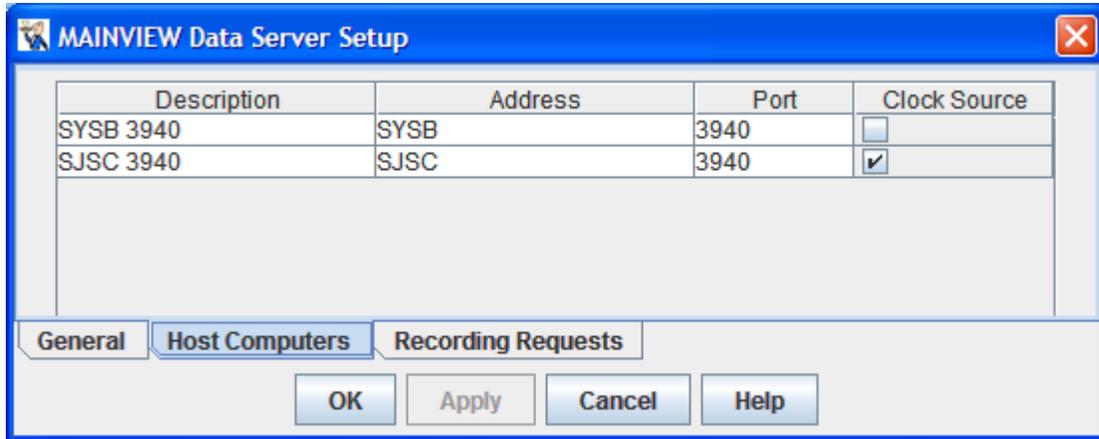
#### *Configure the Host Connection*

Add the Host, Anywhere in the box **Right click, and select New**

Enter in the Description, Host name or IP address and Port Number of the MV Explorer

**Example:** Description: SYSB – Address: SYSB – Port: 3940 ,

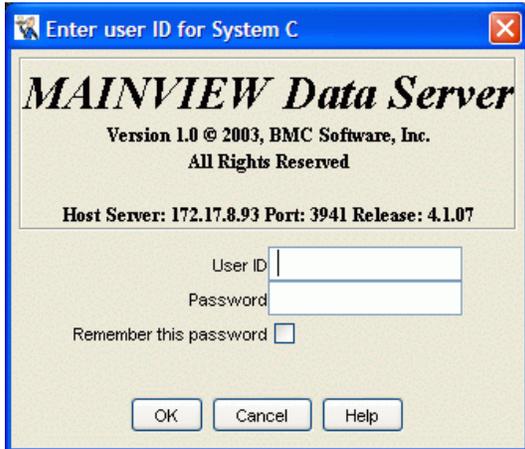
**Select** Check box for Clock



**Select Apply,**

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The connection will start and the log on dialog will appear.  
Logon using TSO User ID and Password

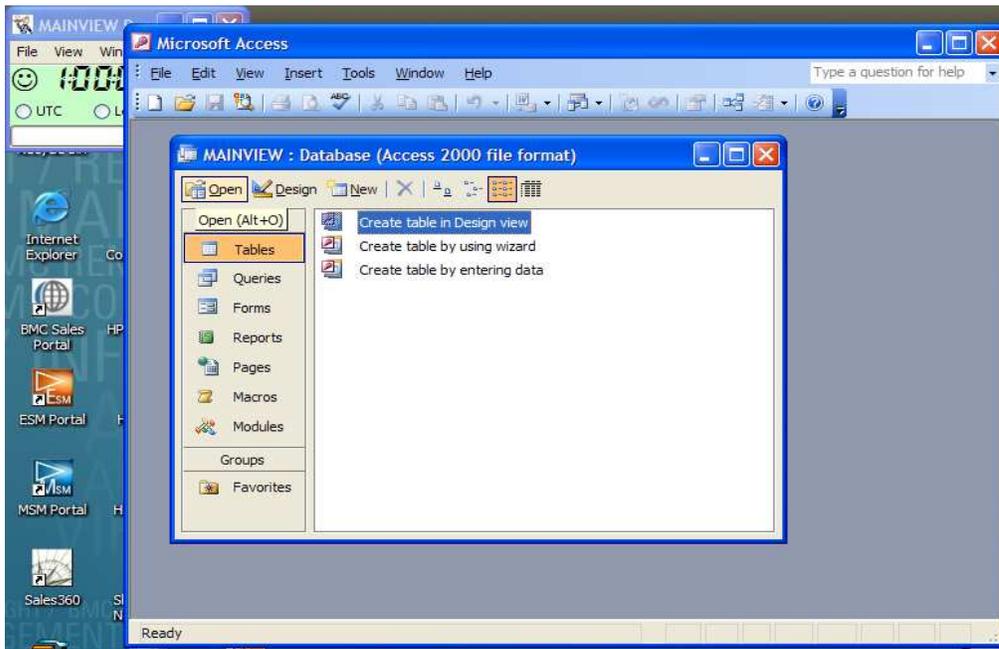


After successful logon, MAINVIEW Data Server background will turn Green.

### Step 3

#### *Setup for the Access Database and the ODBC connection*

Go to Windows **Start Menu**, Microsoft Office, Microsoft Access  
**Launch** Microsoft Access, create a MS Access DB,  
**Select File, New** - open blank database , call it MAINVIEW.mdb

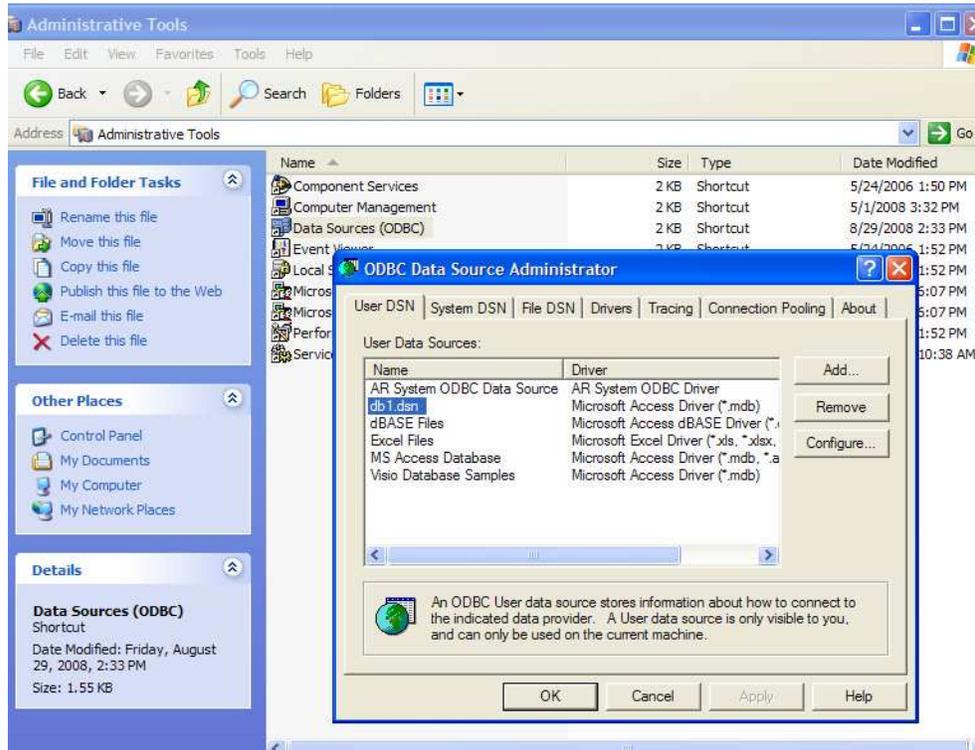


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## Step 4

### *Data Sources (ODBC) Setup in Windows*

**Start Menu, Control Panel, Administrative Tools, Select, Data Sources (ODBC)**



### ***MAINVIEW Data Server ODBC Recording exit verification Step***

ODBC Exit is found in - C:\Program Files\BMC\DataServer\Exits **odbc.bsh**

**Right Click** file name **odbc.bsh** - **Select** Open with, *notepad*

**Verify name**, Look for → String url = "jdbc:odbc:mainview.dsn";

The **mainview.dsn** name should match your Windows ODBC connection setup name.

Exit Notepad

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## Step 4 ODBC - Continued

Select **Add**, Scroll down, use Driver named; **Microsoft Access Driver (\*.mdb)**  
**Select - Finish**

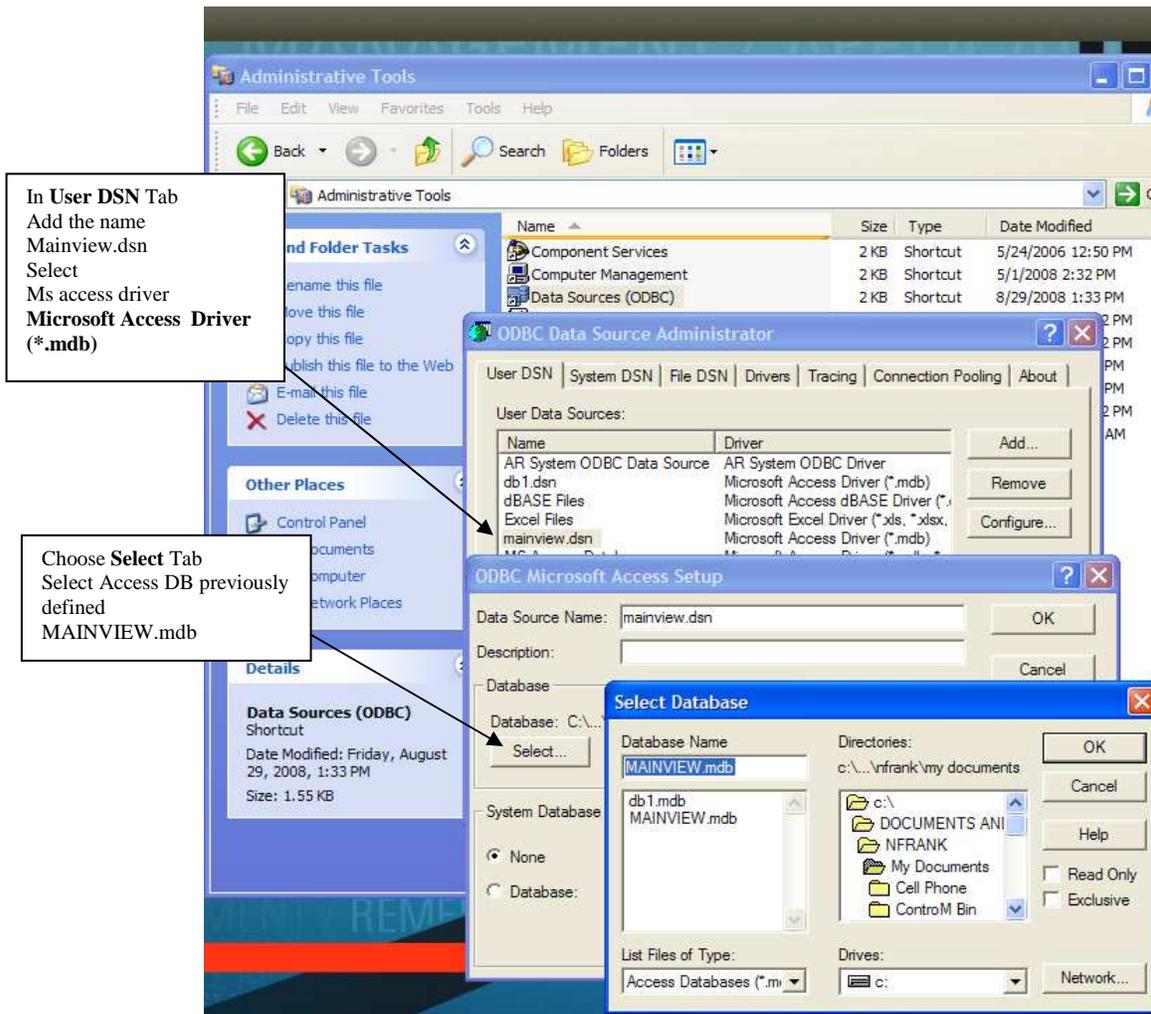
In the field **Data Source Name**

Type the odbc data source name of; **mainview.dsn** (this is the default name used in the Data Server ODBC recording exit.

### ODBC Microsoft Access Setup Panel

Select the **Advanced TAB**, Login name - admin / password leave blank

Left Click the **Select** button, Choose directory folder to find the Database where you created the Access DB **MAINVIEW.mdb** \*\* Note \*\* Refer to **Step 3**

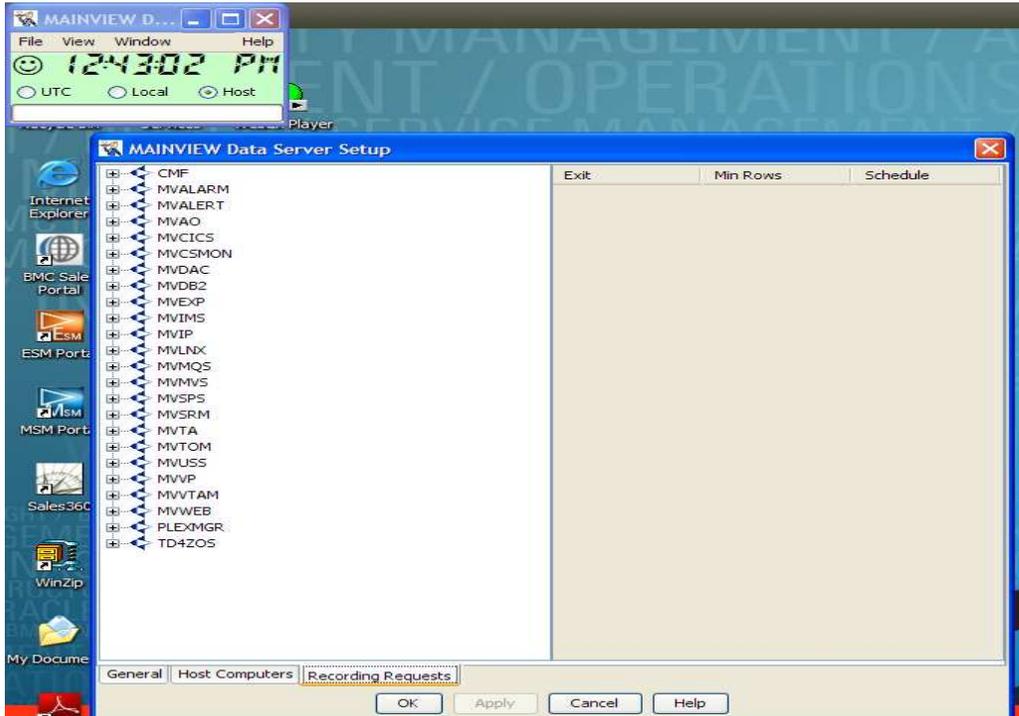


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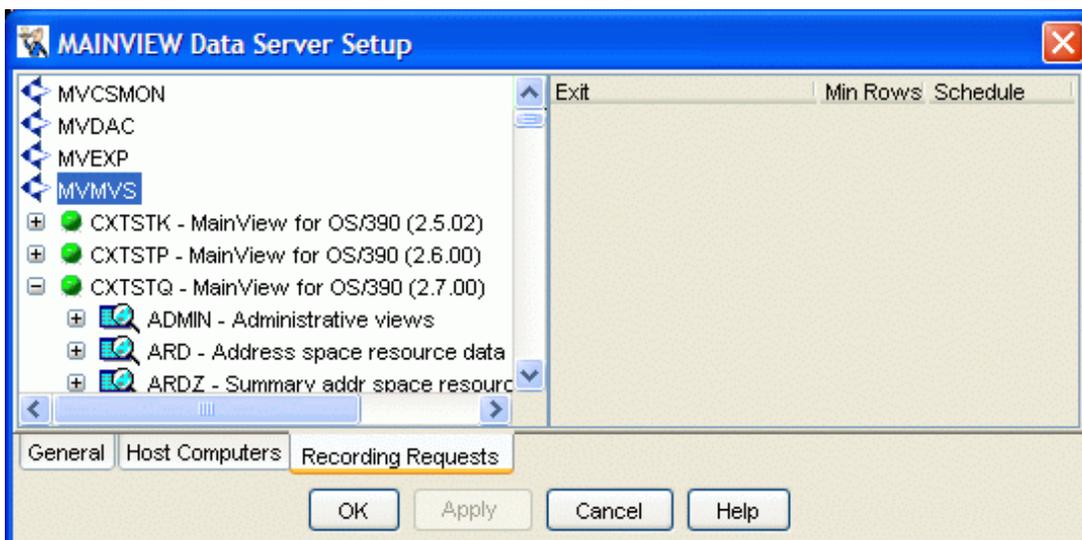
## Step 5

### MAINVIEW Data Server Recording Request Selection

Select the Tab for **Recording Requests**



The MAINVIEW Explorer products Tree will be listed.  
Select the + to expand the View and attributes to record.



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### Step 5 Cont

#### *MAINVIEW Data Server Recording Request Selection*

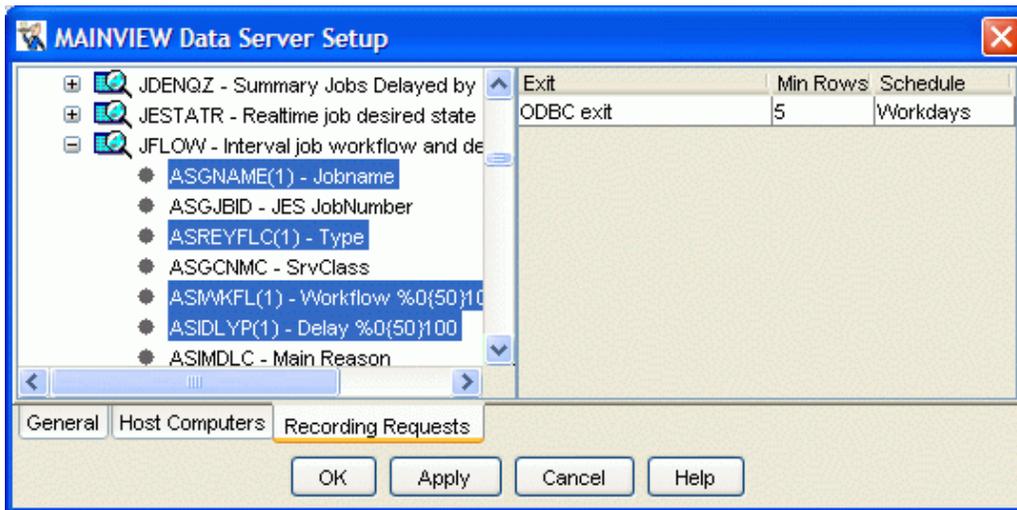
Select a View/attributes to record- View the attribute to record, in the right pane, Hold Control key and left mouse click to select multiple attributes.

**Right click Exit field**, choose ODBC exit,

**Right click Min Rows**, choose number of rows,

**Right click Schedule**,

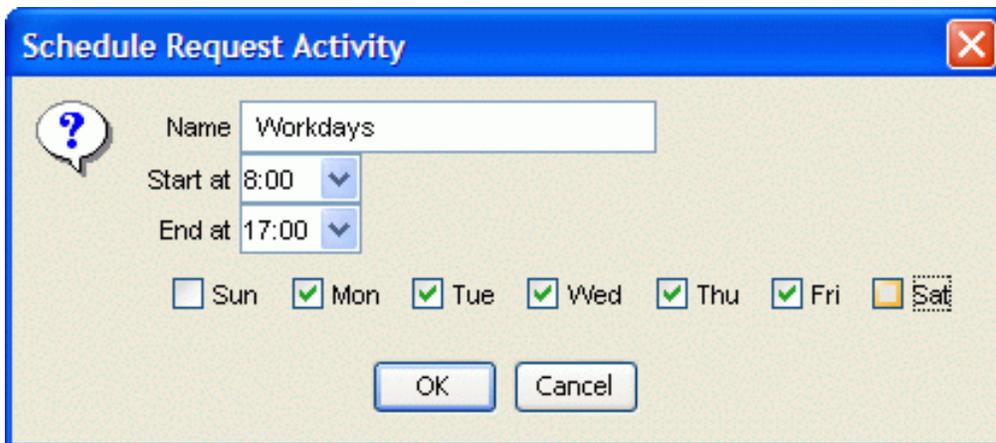
\*\* Note - First Time choose New, and create a schedule.



Give the schedule a name,

Example; Workday or Wkday8to5, set start and end time & days to record.

Select OK



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### Step 6

#### Review of Status of Host Connections and Recording Requests

##### MAINVIEW Data Server - View Status of Host Connections

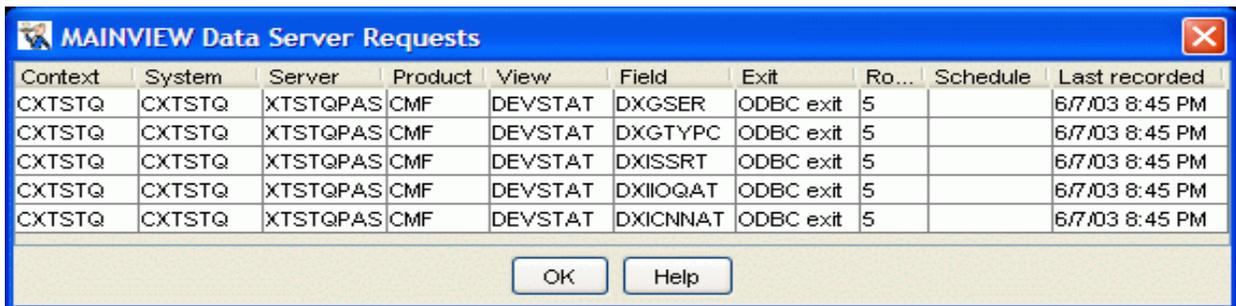
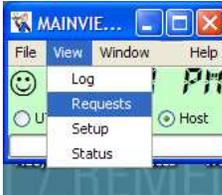
Select View, Status



Name	Address	Port	Status	UTC Connect...	Host level
System C	172.17.8.93	3941	Active	6/8/03 3:26 AM	4.1.07
System B	172.17.8.78	3940	Active	6/8/03 3:31 AM	4.1.06

##### MAINVIEW Data Server - View Selected Recording Requests

MAIVIEW Data Server DeskTop ICON, Left click, **Select** View, Requests



Context	System	Server	Product	View	Field	Exit	Ro...	Schedule	Last recorded
CXTSTQ	CXTSTQ	XTSTQPAS	CMF	DEVSTAT	DXGSER	ODBC exit	5		6/7/03 8:45 PM
CXTSTQ	CXTSTQ	XTSTQPAS	CMF	DEVSTAT	DXGTYP	ODBC exit	5		6/7/03 8:45 PM
CXTSTQ	CXTSTQ	XTSTQPAS	CMF	DEVSTAT	DXISSRT	ODBC exit	5		6/7/03 8:45 PM
CXTSTQ	CXTSTQ	XTSTQPAS	CMF	DEVSTAT	DXIIOQAT	ODBC exit	5		6/7/03 8:45 PM
CXTSTQ	CXTSTQ	XTSTQPAS	CMF	DEVSTAT	DXICNNAT	ODBC exit	5		6/7/03 8:45 PM

**Note** \* If the MAINVIEW Data Server Requests Window is too small, place mouse on lower right hand corner of window, left click and drag window view larger.

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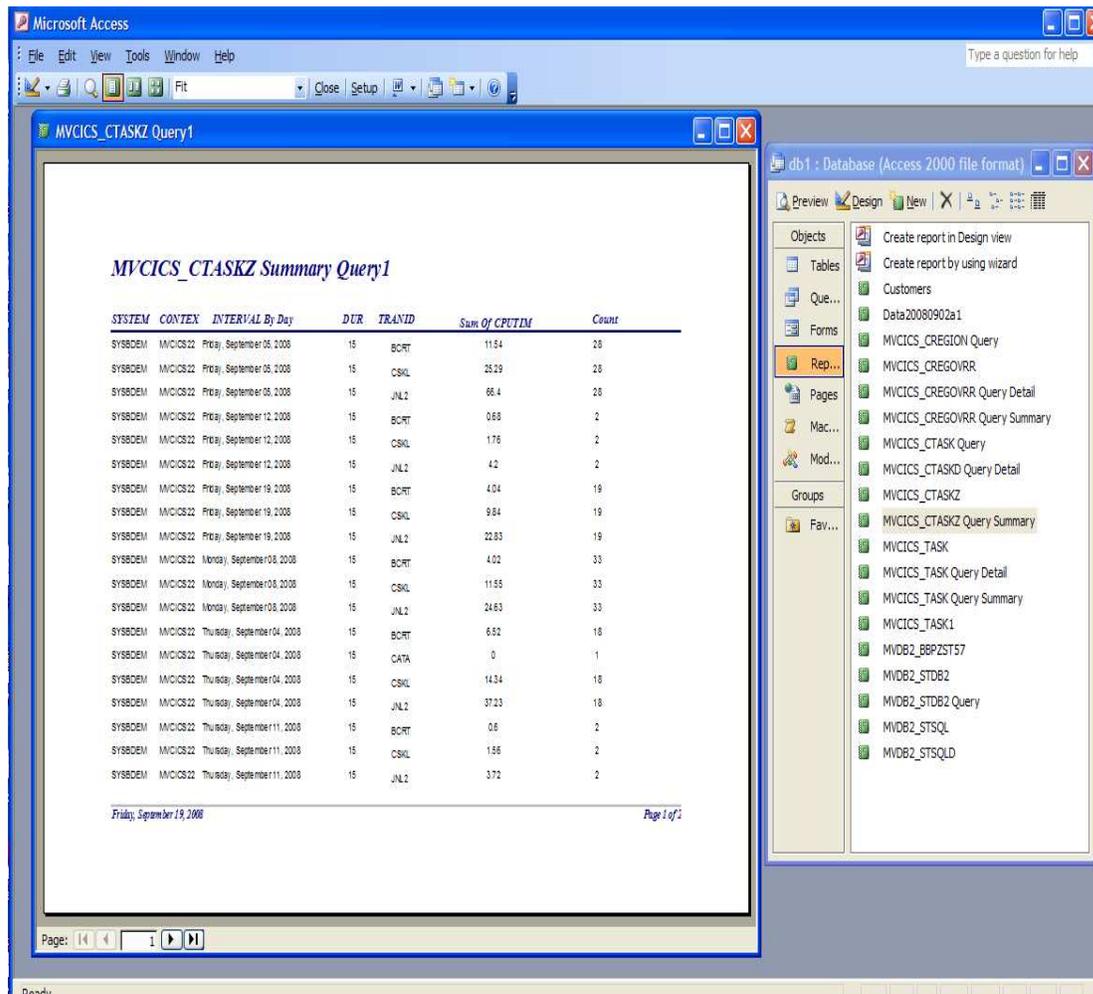
## MS Access – Database Tables and Reports

Go to Windows **Start Menu**, Microsoft Office, Microsoft Access  
**Launch** Microsoft Access, Open your MAINVIEW.mdb database

Select **Reports**, Select **Create Reports by using wizard**

## MS Access Database Reports \*\* Examples

### Detail Summary

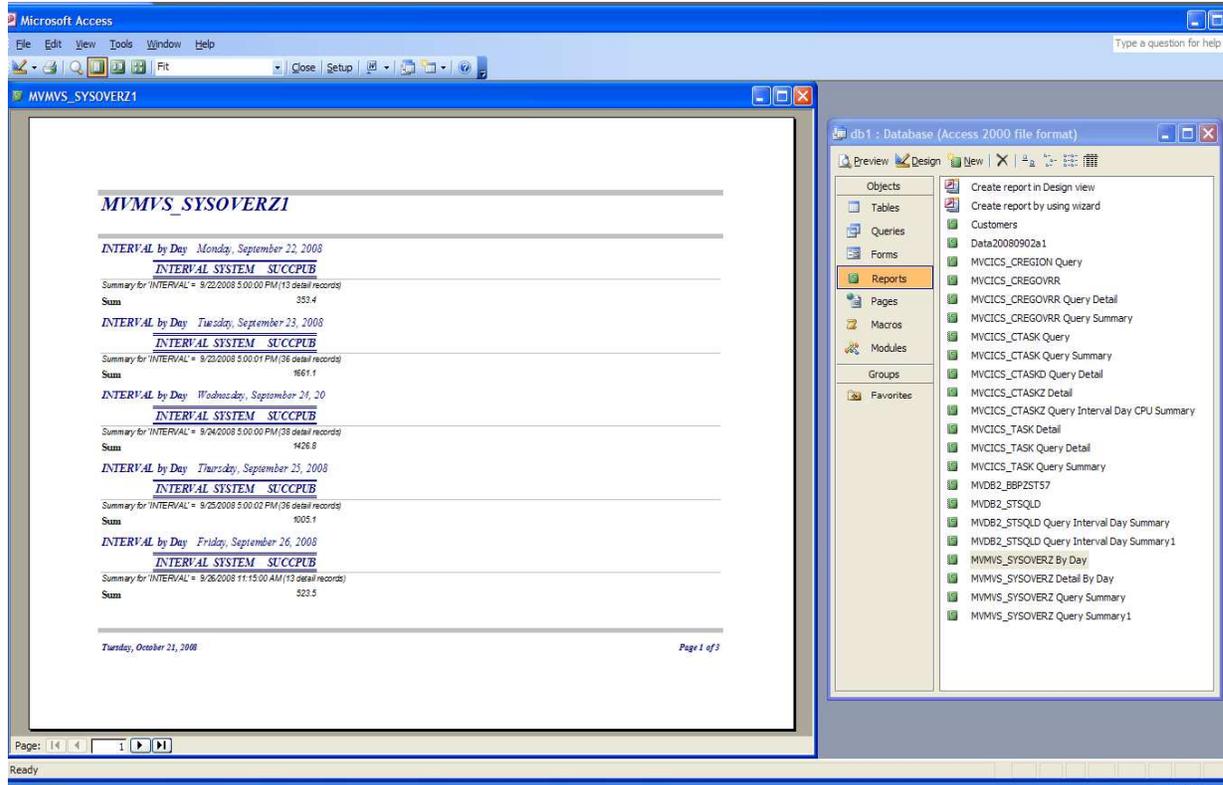


**\*\* Note – Selecting - Use create reports by using Wizard**

The report wizard will assist in defining the required fields to create the report.

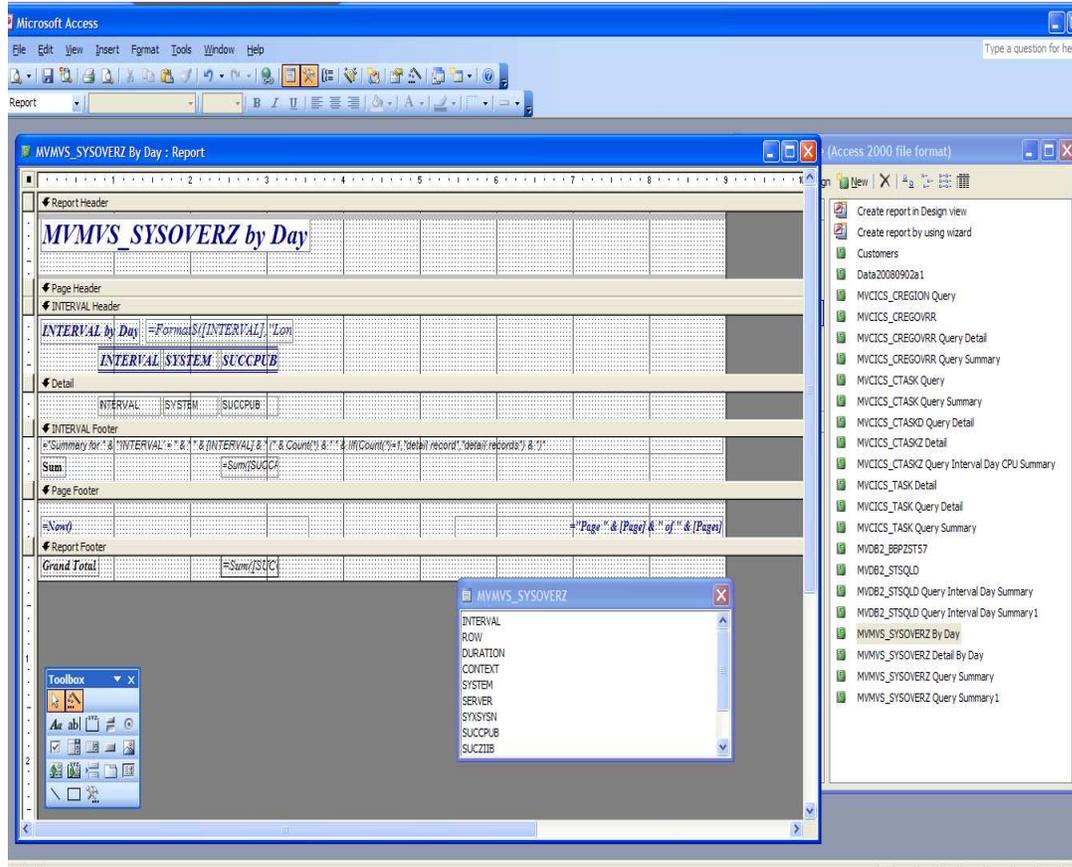
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## Report Summary by Day



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## Access Report Design View



\* Using Access Report Design Wizard provides many types of report possibilities.

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## Access Table Database –MVMVS\_SYSOVERZ (Example of MVMVS\_SYSOVERZ table DB)

INTERVAL	ROW	DURATION	CONTEXT	SYSTEM	SERVER	SYXSYSN	SUCCPUB	SUCCZIB	SCICPAVG	SUCIINRT	SUGETIM
9/25/2008 10:45:00 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	27.8	0.2	28	77.7	
9/25/2008 11:00:00 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	26.7	0.2	16	53.2	
9/25/2008 11:15:00 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	27.6	0.2	100	66.6	
9/25/2008 11:30:02 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	28	0.2	45	45	
9/25/2008 11:45:00 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	28.7	0.2	17	46.7	
9/25/2008 12:00:01 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	27.7	0.2	15	44.7	
9/25/2008 12:15:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	29.7	0.2	36	58.6	
9/25/2008 12:30:01 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	27.6	0.2	29	53.5	
9/25/2008 12:45:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	27.9	0.3	15	62.8	
9/25/2008 1:00:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	27.5	0.2	53	56.8	
9/25/2008 1:15:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	27.9	0.2	22	47.8	
9/25/2008 1:30:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	27.7	0.2	79	49.6	
9/25/2008 1:45:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	29	0.2	72	55.1	
9/25/2008 2:00:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	31.2	0.2	15	108.9	
9/25/2008 2:15:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	28.5	0.2	22	61.8	
9/25/2008 2:30:02 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	26.8	0.2	29	52.9	
9/25/2008 2:45:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	26.7	0.2	16	56.3	
9/25/2008 3:00:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	27.2	0.2	27	52.3	
9/25/2008 3:15:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	32	0.3	55	87.5	
9/25/2008 3:30:01 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	28.2	0.2	22	54	
9/25/2008 3:45:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	27.2	0.2	8	47.5	
9/25/2008 4:00:01 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	28.5	0.2	29	43.7	
9/25/2008 4:15:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	31.1	0.2	87	60.6	
9/25/2008 4:30:01 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	28.3	0.2	48	44	
9/25/2008 4:45:00 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	28.7	0.2	50	57.5	
9/25/2008 5:00:02 PM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	27	0.2	15	58.7	
9/26/2008 8:15:00 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	29.5	0.2	100	72.2	
9/29/2008 8:15:00 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	47.4	0.3	56	1306.4	
9/29/2008 8:30:01 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	75.5	0.4	34	1696.5	
9/29/2008 8:45:00 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	41.3	0.2	34	1076.5	
9/29/2008 9:00:04 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	33.6	0.2	24	704.9	
9/29/2008 9:15:00 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	50	0.3	53	1360.3	
9/29/2008 9:30:01 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	47.6	0.2	100	1135.9	
9/24/2008 10:30:01 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	50.1	0.2	45	465.5	
9/24/2008 10:45:00 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	34.5	0.2	23	306.1	
9/24/2008 11:00:01 AM	1	15	SYSBDEMO	SYSBDEMO	MV#PDEMO	SYSB	36.9	0.2	36	291.8	

\* Table Data collection recording requests selected from MAINVIEW Data Server and passed via the ODBC Exit to your access database.