

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

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.lnk

Double Click the ICON to launch MAINVIEW Data Server.

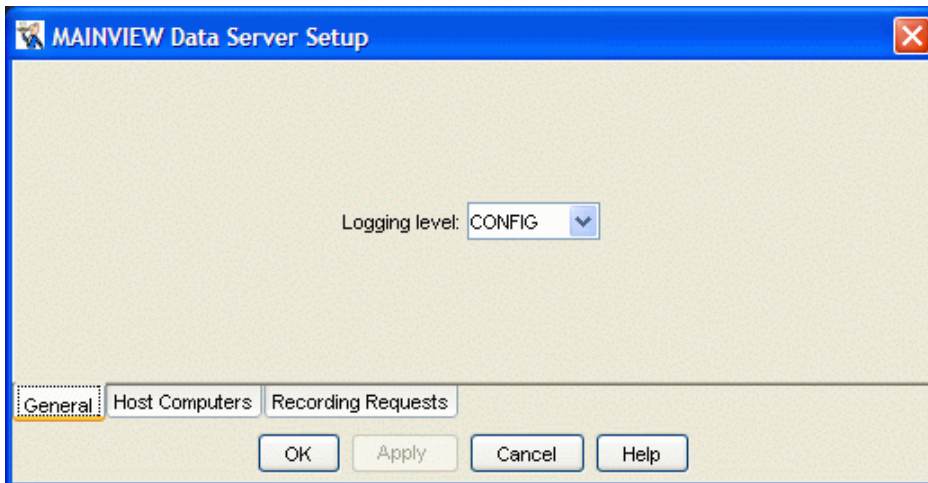
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Step 2

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

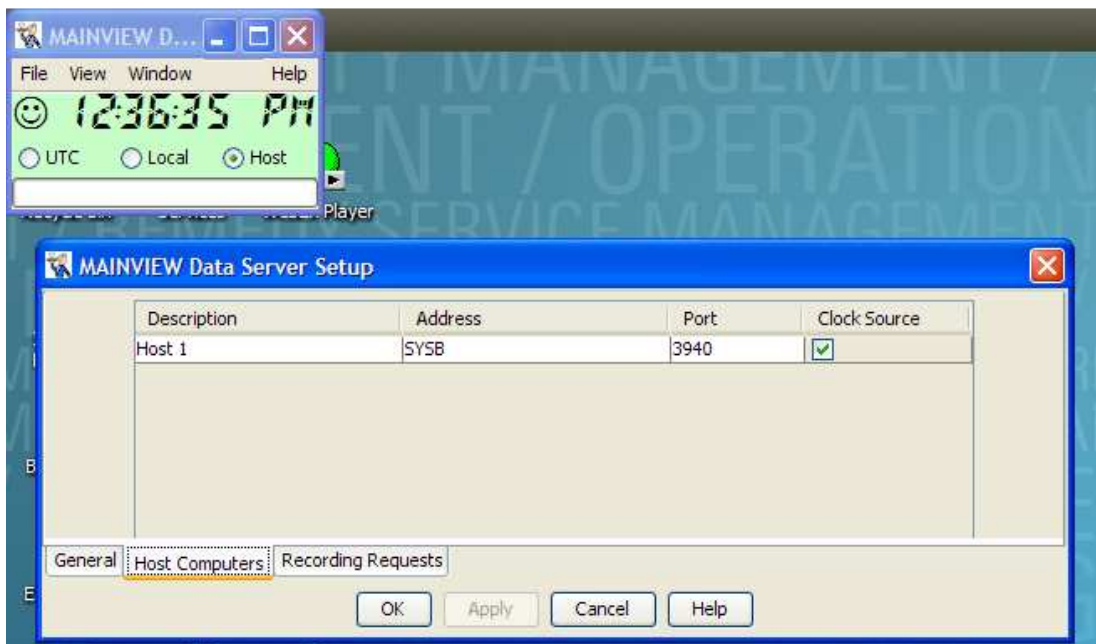
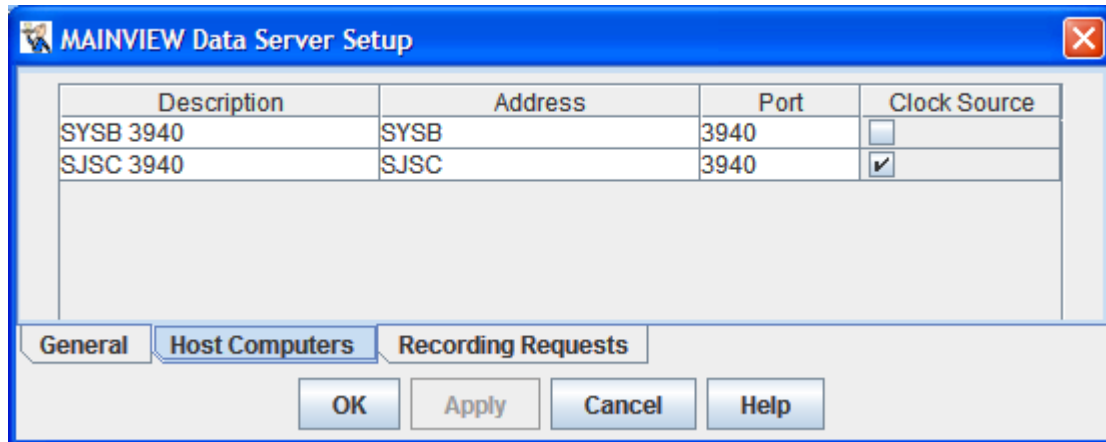
Configure the Host Connection

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 ,

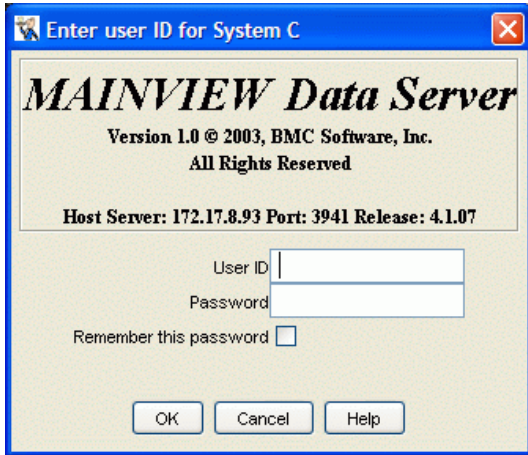
Select Check box for Clock



Select Apply,

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

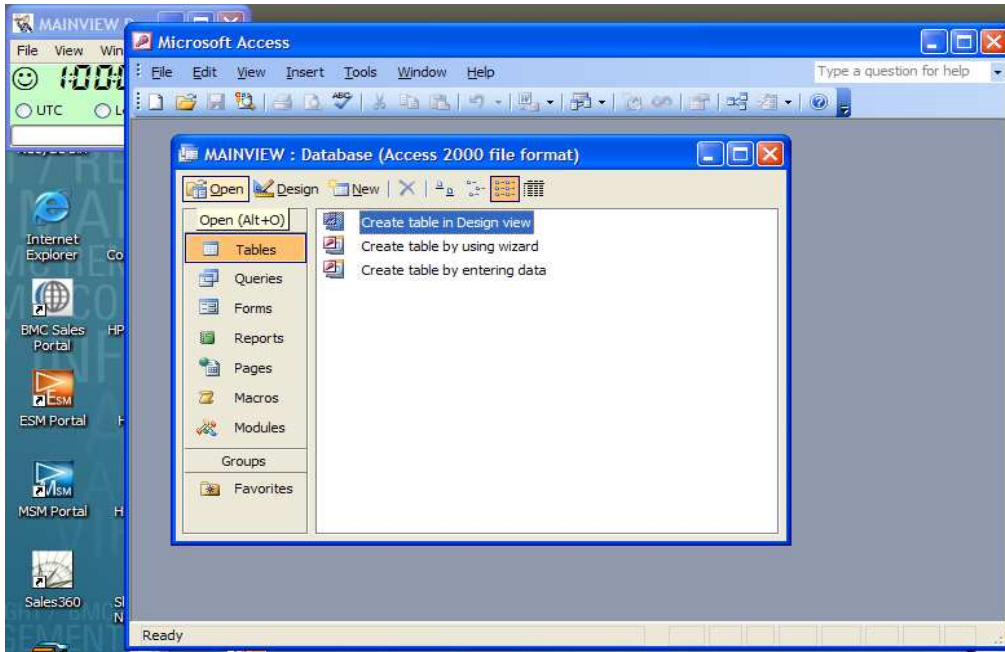


After successful logon, MAINVIEW Data Server background will turn Green.

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

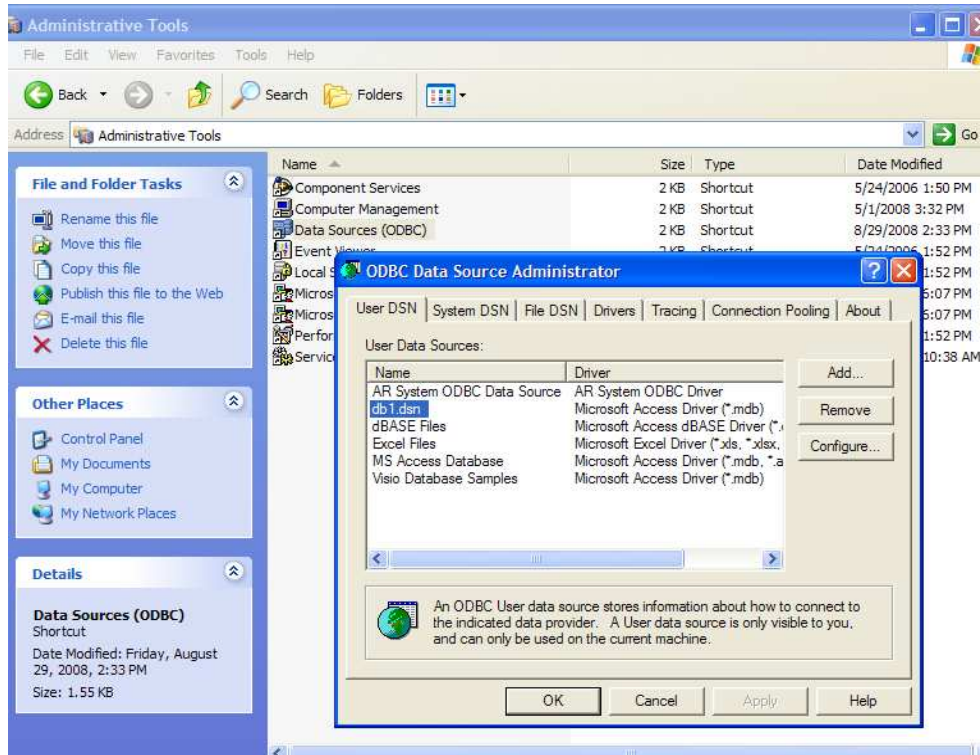


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Step 4

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**

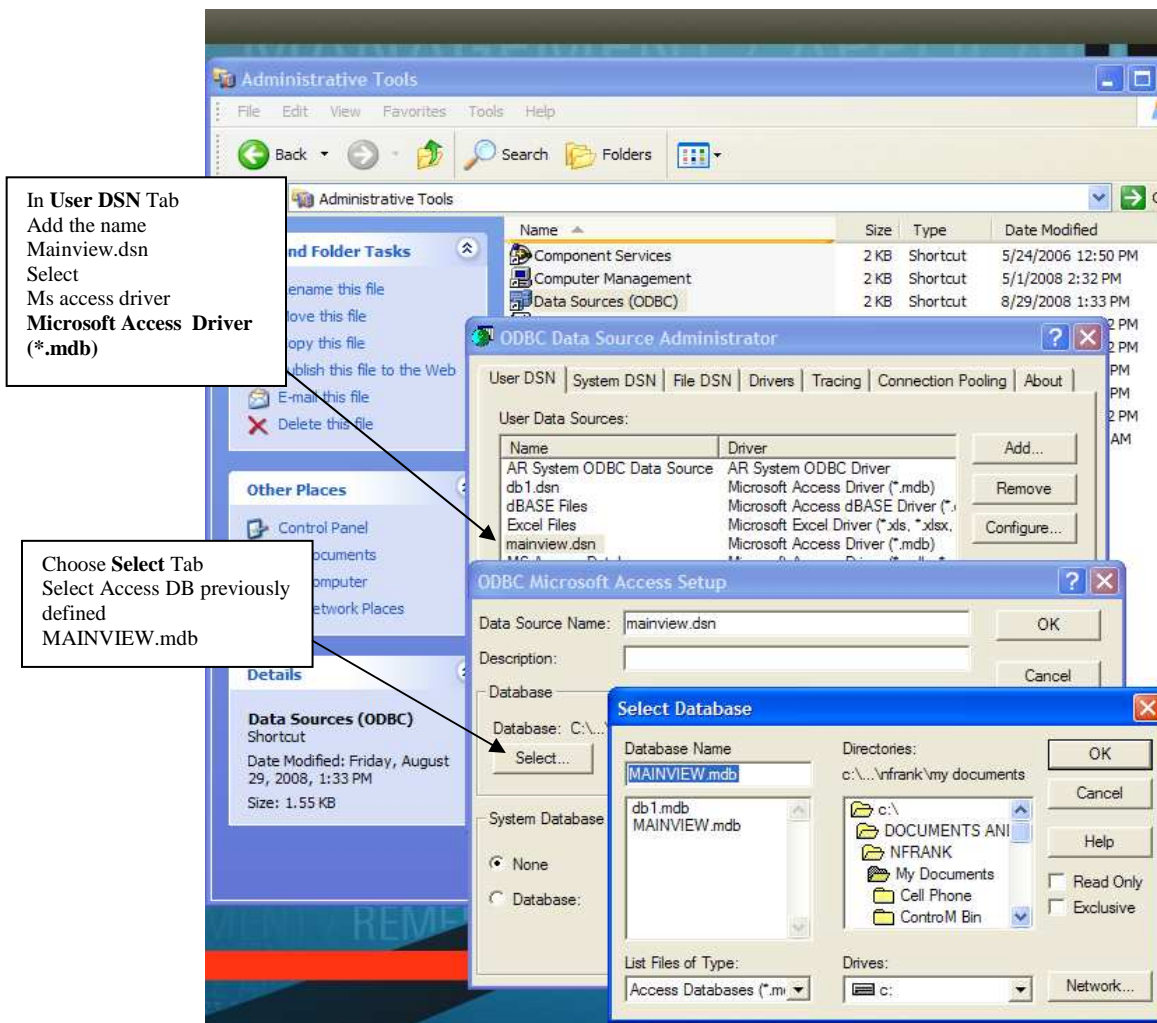
In the field **Data Source Name**

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**

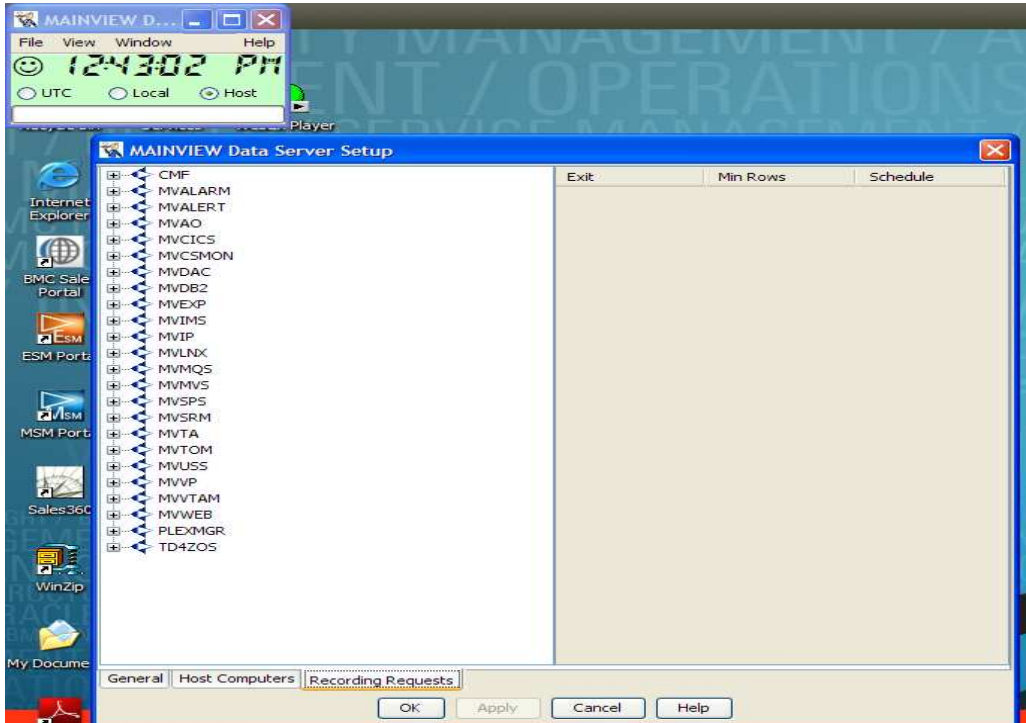


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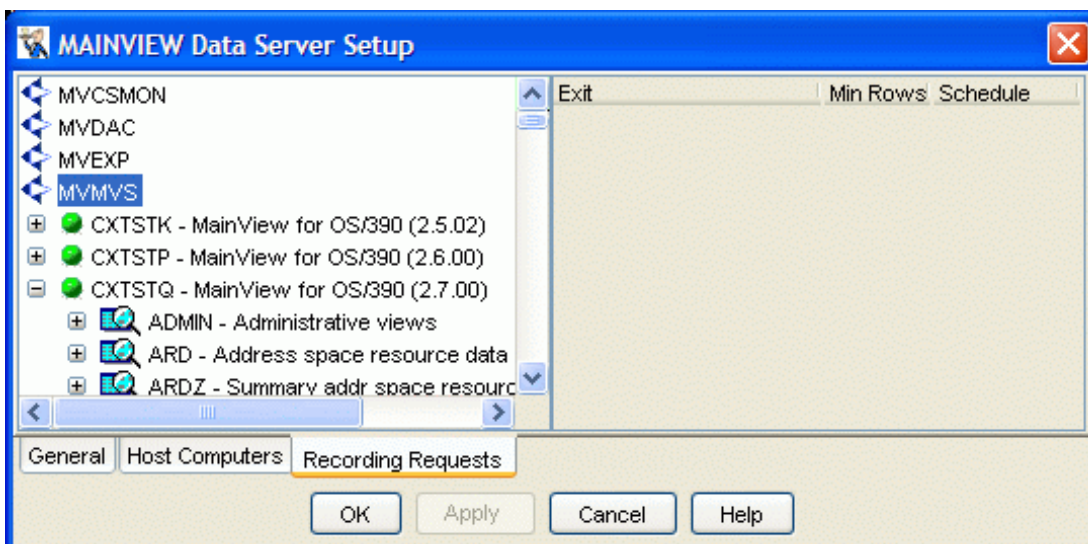
Step 5

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

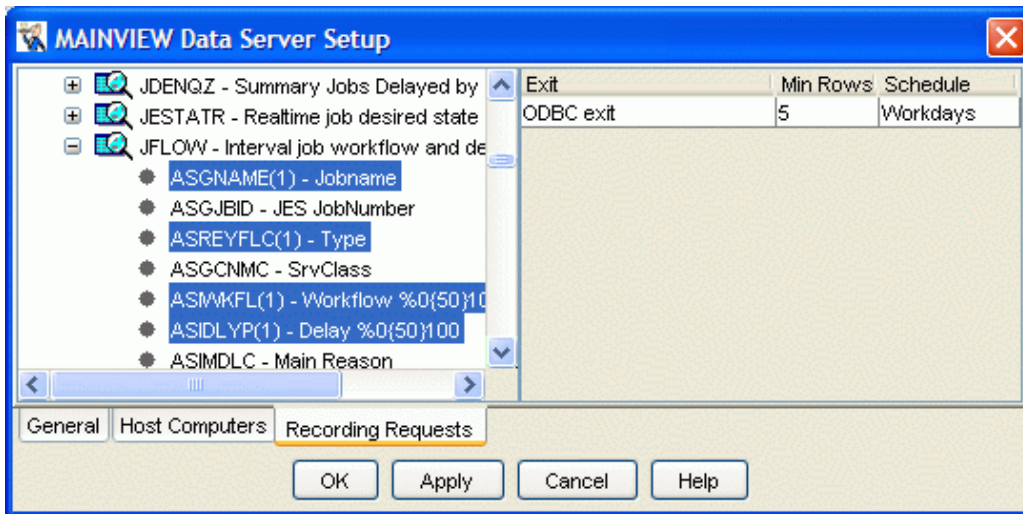
Select a View/attributes to record- View the attribute to record, in the right pane, Hold Control key and left mouse click to select multiple attributes.

Right click Exit field, choose ODBC exit,

Right click Min Rows, choose number of rows,

Right click Schedule,

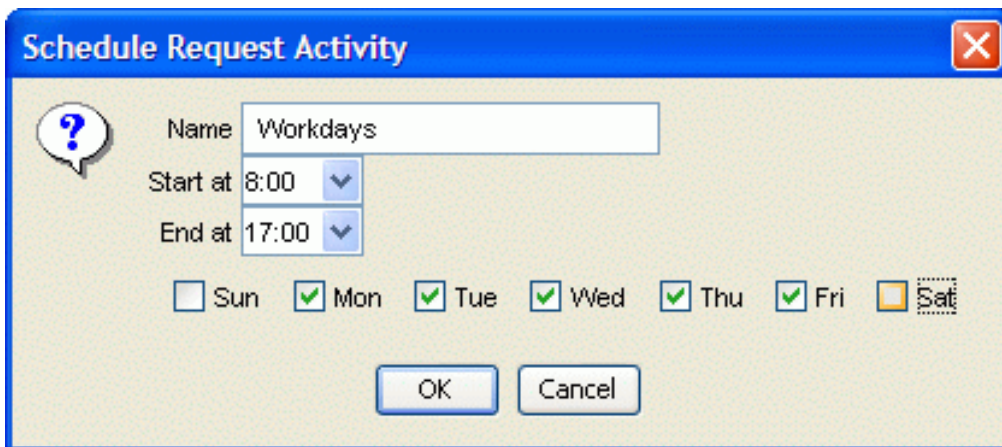
** Note - First Time choose New, and create a schedule.



Give the schedule a name,

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

Select OK



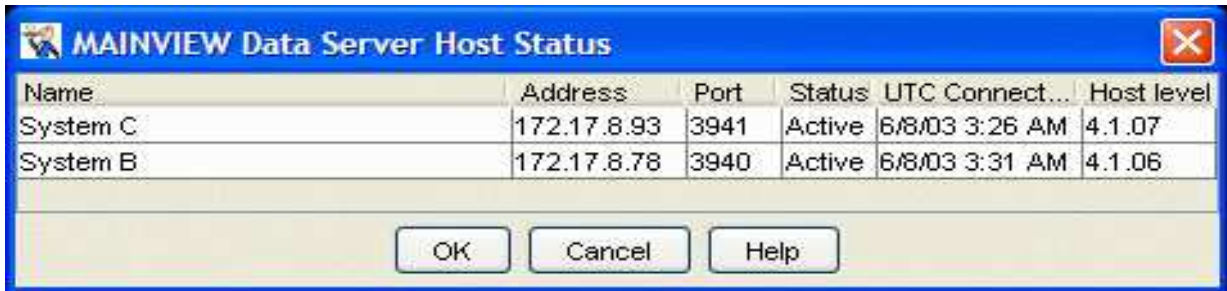
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Step 6

Review of Status of Host Connections and Recording Requests

MAINVIEW Data Server - View Status of Host Connections

Select View, Status

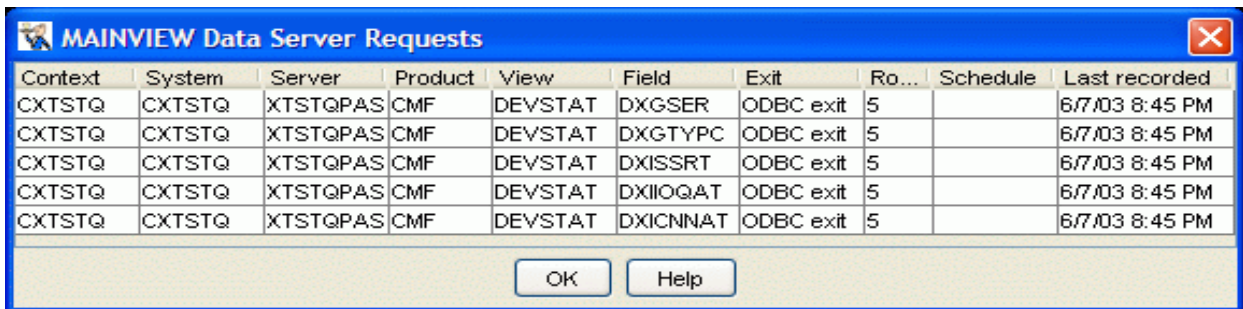


The screenshot shows the 'MAINVIEW Data Server Host Status' window. It contains a table with columns: Name, Address, Port, Status, UTC Connect..., and Host level. There are two rows of data: 'System C' and 'System B'. At the bottom, there are three buttons: OK, Cancel, and Help.

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



The screenshot shows the 'MAINVIEW Data Server Requests' window. It contains a table with columns: Context, System, Server, Product, View, Field, Exit, Ro..., Schedule, and Last recorded. There are five rows of data. At the bottom, there are two buttons: OK and Help.

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	DXIIQAT	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

The screenshot displays the Microsoft Access application window. The main window shows a report titled "MVCICS_CTASKZ Summary Query1". The report is a summary table with the following columns: SYSTEM, CONTEX, INTERVAL By Day, DUR, TRANID, Sum Of CPUTIM, and Count. The data is grouped by day, showing various transactions and their durations and counts. The report is displayed in a preview view. On the right side, the "db1 : Database (Access 2000 file format)" window is open, showing the "Objects" pane with a list of database objects including Tables, Queries, Forms, Reports, Pages, Macros, Modules, Groups, and Favorites. The "Reports" object is selected, and a list of reports is shown, including "MVCICS_CTASKZ Query Summary", "MVCICS_TASK", "MVCICS_TASK Query Detail", "MVCICS_TASK Query Summary", "MVCICS_TASK1", "MVCICS_BBPZST57", "MVCICS_STDB2", "MVCICS_STDB2 Query", "MVCICS_STSQL", and "MVCICS_STSQLD".

SYSTEM	CONTEX	INTERVAL By Day	DUR	TRANID	Sum Of CPUTIM	Count
SYSDDEM	MVCICS22	Friday, September 05, 2008	15	BCRT	11.54	28
SYSDDEM	MVCICS22	Friday, September 05, 2008	15	CSKL	25.29	28
SYSDDEM	MVCICS22	Friday, September 05, 2008	15	JNL2	66.4	28
SYSDDEM	MVCICS22	Friday, September 12, 2008	15	BCRT	0.69	2
SYSDDEM	MVCICS22	Friday, September 12, 2008	15	CSKL	1.76	2
SYSDDEM	MVCICS22	Friday, September 12, 2008	15	JNL2	4.2	2
SYSDDEM	MVCICS22	Friday, September 19, 2008	15	BCRT	4.04	19
SYSDDEM	MVCICS22	Friday, September 19, 2008	15	CSKL	9.84	19
SYSDDEM	MVCICS22	Friday, September 19, 2008	15	JNL2	22.83	19
SYSDDEM	MVCICS22	Monday, September 08, 2008	15	BCRT	4.02	33
SYSDDEM	MVCICS22	Monday, September 08, 2008	15	CSKL	11.55	33
SYSDDEM	MVCICS22	Monday, September 08, 2008	15	JNL2	24.63	33
SYSDDEM	MVCICS22	Thursday, September 04, 2008	15	BCRT	6.52	18
SYSDDEM	MVCICS22	Thursday, September 04, 2008	15	CATA	0	1
SYSDDEM	MVCICS22	Thursday, September 04, 2008	15	CSKL	14.34	18
SYSDDEM	MVCICS22	Thursday, September 04, 2008	15	JNL2	37.23	18
SYSDDEM	MVCICS22	Thursday, September 11, 2008	15	BCRT	0.6	2
SYSDDEM	MVCICS22	Thursday, September 11, 2008	15	CSKL	1.56	2
SYSDDEM	MVCICS22	Thursday, September 11, 2008	15	JNL2	3.72	2

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**** 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

MVMVS_SYSOVERZ1

INTERVAL by Day Monday, September 22, 2008

INTERVAL SYSTEM SUCCPUB

Summary for 'INTERVAL' = 9/22/2008 5:00:00 PM (13 detail records)

Sum	353.4
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INTERVAL by Day Tuesday, September 23, 2008

INTERVAL SYSTEM SUCCPUB

Summary for 'INTERVAL' = 9/23/2008 5:00:01 PM (36 detail records)

Sum	1661.1
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INTERVAL by Day Wednesday, September 24, 2008

INTERVAL SYSTEM SUCCPUB

Summary for 'INTERVAL' = 9/24/2008 5:00:00 PM (36 detail records)

Sum	1426.8
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INTERVAL by Day Thursday, September 25, 2008

INTERVAL SYSTEM SUCCPUB

Summary for 'INTERVAL' = 9/25/2008 5:00:02 PM (36 detail records)

Sum	1005.1
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INTERVAL by Day Friday, September 26, 2008

INTERVAL SYSTEM SUCCPUB

Summary for 'INTERVAL' = 9/26/2008 11:15:00 AM (13 detail records)

Sum	523.5
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Tuesday, October 21, 2008

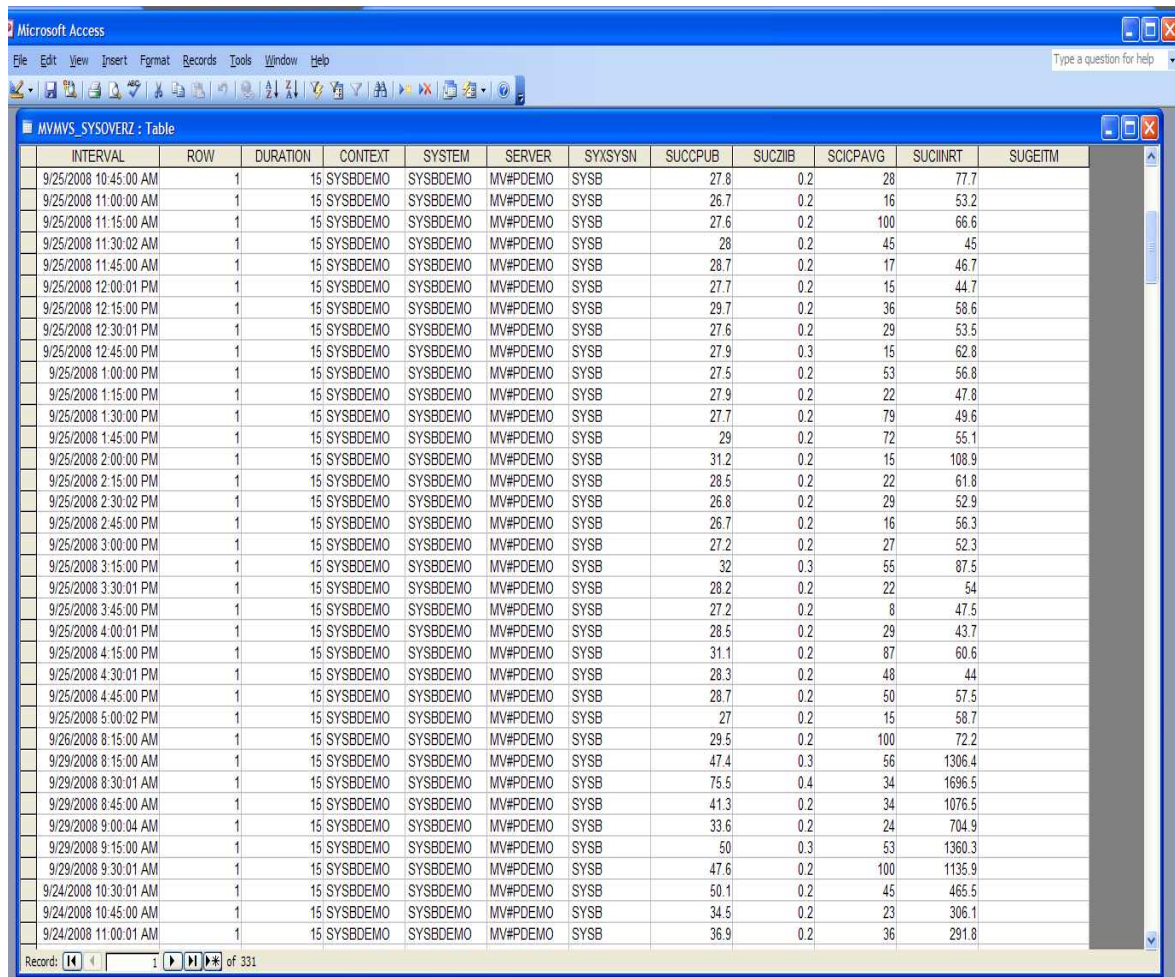
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Ready

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Access Table Database –MVMVS_SYSOVERZ (Example of MVMVS_SYSOVERZ table DB)



The screenshot displays the Microsoft Access application window with the 'MVMVS_SYSOVERZ : Table' view open. The table contains 331 records, showing a series of data points over time from September 25, 2008, to September 24, 2008. The columns include INTERVAL, ROW, DURATION, CONTEXT, SYSTEM, SERVER, SYXSYN, SUCCPUB, SUCCZIB, SCICPAVG, SUCINRT, and SUGEITM. The data shows a consistent pattern of values across the different columns, with some variations in the SUCCPUB and SUCCZIB columns.

INTERVAL	ROW	DURATION	CONTEXT	SYSTEM	SERVER	SYXSYN	SUCCPUB	SUCCZIB	SCICPAVG	SUCINRT	SUGEITM
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.