**How to backup and restore the trend viewer data?**

Version 1

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**Issue:**

How to backup and restore the trend viewer data?

**Resolution:**

The data that the Trend Viewer application looks at is stored in C:\Program Files\Tracer Summit\Database\TrendData.mdb in versions 17 and up. The data is pumped into this TrendData.mdb file by Summit. Furthermore, Summit only does this to Trend objects that have the 'Harvest Data for this trend' check box checked.  
  
The v17 workstation has a new property for the Trend object called "Data Harvest Trend" that indicates if the Trend is set to harvest or not. [This is workstation specific unless of course all workstations share a databasei.e. SQL.] This is the property that sits behind the 'Harvest Data for this trend' checkbox. Whenever this check box in the Trend editor is checked (which basically sets "Data Harvest Trend" equal to True; otherwise its False), you are pumping data from all members of that specific trend object into the TrendData.mdb database.   
  
There is no tool inside of Summit that you can use to back TrendData.mdb up (unless the file reaches 1.5 GB in sizemore on this below); youll need to rely upon Windows Explorer instead. To do so, youll have to shut Summit down, then use Explorer to copy TrendData.mdb and paste it to safe location (and probably rename it too).  
  
TrendData.mdb can attain a maximum size of 1.5 GB (Access databases have a limitation of 2.0 GB in size). Once it reaches that size, Summit will automatically create a new TrendData.mdb file for you and archive the old one. See [Does Trend Viewer (Harvest Trend Data) automatically archive data to the PC's hard drive?](https://hub.ingersollrand.com/docs/DOC-91139) for further details.  
  
There are internal relationships between the TrendData.mdb file, the Summit.mdb file, and the Eventlog.mdb file. Thus, if you wanted to move the TrendData.mdb file from one workstation to another, the only way it can be done is to copy all three of those files.

If you need to copy in the blank summit.mdb file from C:\Program Files\Tracer Summit\Backup \ Database to C:\Program Files\Tracer Summit\ Database, and then restore your original site from a backup, in order to restore your Trend Viewer objects:

1. On the restore screen select the "Rename Location" radial button
2. Check "Relink Harvest Trend Database for new site name" box. If you don't want to really rename, just type the exact same site name in.

**Notes:**

**Changes:**

**Other Question/Problem/Cause Statements:**

* How to backup and restore the trend viewer data?
* How to transfer or view trend viewer data on multiple workstations?
* After restoring my site, I lost my trend viewers?
* Can't see trend viewer data?
* How to restore Trend Viewers?

**Facts:**

* Tracer Summit (Windows)
* Trend viewer

**Issue:**

Does Trend Viewer (Harvest Trend Data) automatically archive data to the PC's hard drive?

**Resolution:**

Yes (assuming the "Harvest Trend Data" box is checked in the Trend editor). It really isn't the Trend Viewer application / object that is writing to the TrendData.mdb file, it is the data pump built into the workstation side of the Trend Object.  
  
When TrendData.mdb gets to about 1.5 GB in size, Summit will automatically renamed it to TrendDataMM-DD-YYYY.mdb (for example TrendData08-10-2010.mdb) and then install a fresh new TrendData.mdb file. As long as you don't change the name of the archived files, Trend Viewer will allow you to view into those files (i.e. view old data).  
  
Note: Beginning with v17 SP10, a user will be able to specify the size at which an archive file is created (choices are: 8, 16, 32, 64, 128, 256, 512, 1024, and 1536 MB).

**Notes:**

**Changes:**

**Other Question/Problem/Cause Statements:**

* Does Trend Viewer (Harvest Trend Data) automatically archive data to the PC's hard drive?
* How does Trend Viewer access archived information (trend data)?
* Can Trend Viewer see archived information (trend data)?

**Facts:**

* Tracer Summit (Windows)

**Issue:**

Can I migrate my Trend Viewer Access database (TrendData.mdb) to SQL?

**Resolution:**

1. If you have a "new" site, (Tracer Summit V17) Enterprise (SQL) then TrendData will be SQL resident (assuming you ran the CreateStarterSummit.bat file with **TrendData** as an argument with the other database name that is).

2. If upgrading a Tracer Summit V17 Access database to SQL, it wasn't till v17 SP3 that the database conversion utility was able to migrate a TrendData database from Access to SQL.

**Notes:**

**Changes:**

**Other Question/Problem/Cause Statements:**

* Can I migrate my Trend Viewer Access database (TrendData.mdb) to SQL?

**Facts:**

* Tracer Summit (Windows)