

Installation Guide Part 1 – configure dashboard (15min)

You do not need to follow the instructions in this document if you already installed the dashboard, instead return to the Documents page and follow the instructions in the Installation_Guide.Upgrade.

Please watch the *DBcafe installation part1* video on the Home page, or even better download it from the Downloads page to see it in high quality. Then you might be able to complete the installation without even reading this document.

The installation tasks listed here can be performed on any Windows machine where the Oracle Server or the Oracle Client is installed. If using Oracle Client it must include ORACLE_HOME\bin\sqlplus.exe.

The installation does not change your machine's environment, it keeps the settings it needs in configuration files. You only need to configure two files, CTLFILE2 and CTLFILE6. If you follow these instructions you will succeed in configuring the dashboard with connections to all your databases. You set up the connections much like you do in Oracle's SQL Developer, except that for this tool they are all in CTLFILE2.

If any problems or questions please use the **Contact** page and you will get all the help you need.

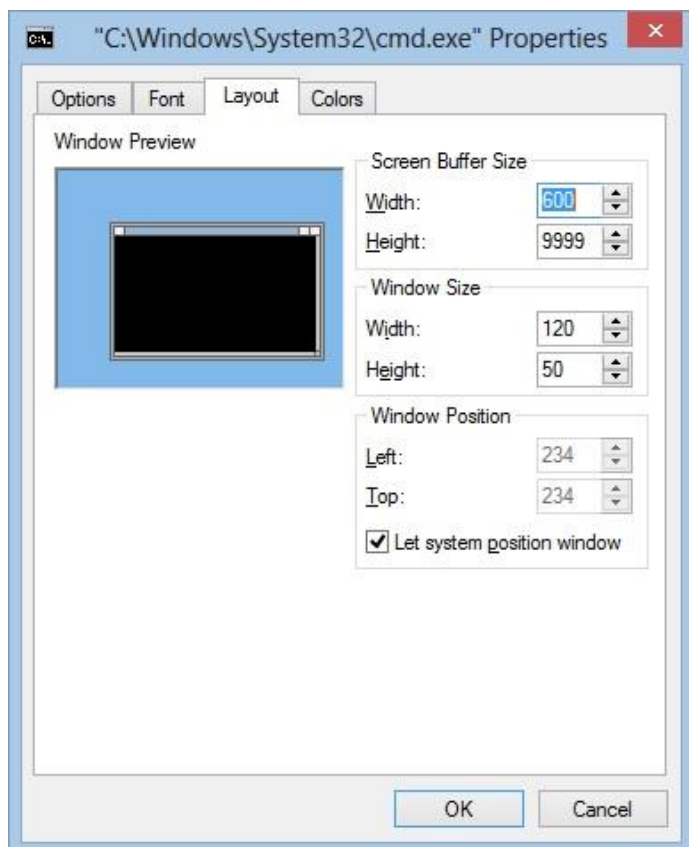
1. Prerequisites

You already downloaded and unzipped DIS_distribution.date.time.zip and have run **DIS.EXE**. In this document the default root directory **C:\DIS** is assumed but your root directory might be different.

2. Create the control files (3min)

Launch C:\DIS\DB\DB_install\run\bin**DBinstall.cmd** which creates CTLFILE2 and CTLFILE6. These are the only two configuration files you need to deal with. The other config files use defaults that should be fine.

There is a pause at the end of each step to let you see any messages or errors. But first right-click on the blue heading bar – Properties – Layout and use these settings to make the console more readable:



If the command window shows "SUCCESS: JAVA RUNTIME IS USABLE ..." it means you don't have to download the JRE file from the dbcafe download page as the local Java version is fine. Hit Enter.

Next it will open CTLFILE6 so you can change the pswd for the **sys** and **system** accounts to the correct value for one of your databases. You can add the logins for the other databases later. Ignore the **dbpanel** login for now, we will get to it in part 2 of the installation. When finished close CTLFILE6 and the file will be scrambled automatically.

There should be a few lines about adding connections from your tnsnames file followed by the message "SUCCESS: FILECTLFILE2_databases.ctl HAS BEEN CREATED ...". This means it found a tnsnames file and has added the entries it found to CTLFILE2. If it doesn't find a tnsnames file you will have to manually add your instances to CTLFILE2 later using the sample lines in CTLFILE2 as a guide. Hit Enter.

If you see this:



It means it found neither a tnsnames file nor CTLFILE_databases.ctl.old so it could not add the databases to CTLFILE2. Hit Enter.

If you see this:



It means no databases were added to CTLFILE2 in the previous step. Hit Enter.

You might notice an error message "EMSG-nnn: no database with HOST=Y found in CTLFILE2". This is normal when it's a first time install so ignore it. There should be a message "SUCCESS: DBNAME column updated on *n* lines in CTLFILE2".

Hit Enter to open CTLFILE2 so you can see how it looks now.

3. Complete the changes to CTLFILE2 and CTLFILE6

File C:\DIS\DB\DASH\DB_dash\run\ctl\CTLFILE2_databases.ctl is automatically opened in Notepad. Word Wrap should be off. If you prefer you can close and reopen it in your favourite editor.

As this is a first time install you will need to add your instances to CTLFILE2. You will find this work is similar to adding your database connections to Oracle SQL Developer.

If CTLFILE2 contains the instances added from your tnsnames file then you can already do a quick test. Skip the rest of this paragraph and launch the dashboard as shown in the next paragraph. If it found your tnsnames file it might already be able to reach some of your instances. Come back here and complete your changes to CTLFILE2 by following the steps below.

- Scroll right and look at the last two column CONNECT. If the installer found your tnsnames file it will have already filled it in for you. The CONNECT is in the form *host:port/service* except for Oracle 10g and earlier when you must use the older form *host:port:sid*
- Check there is one line per instance and one for each pluggable database (Oracle 12c)
- Fill in the DBNAME column. If it is different from the actual DBNAME the dashboard will tell you so you can correct it in CTLFILE2. The reason for filling in DBNAME is so that when the dashboard cannot reach a database at least you know its name.
- Fill in the comment columns #SITE, #OS, #USAGE, #DESCRIPTION. The sample lines are a guide.
- Use blanks not tabs to keep the columns neatly aligned (your editor may have a setting tabs=>blanks)
- RAC databases need one line per node and preferably one for each generic connection used by the applications so the dashboard can make sure these are working too. For the generic connections you can copy-paste the DESCRIPTION from your tnsnames file so your connect will look something like this:
CONNECT=(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP) (HOST=*hostname*) (PORT=1521))
(ADDRESS=(PROTOCOL=TCP) (HOST=*hostname*) (PORT=1521)) (LOAD_BALANCE=yes)
(FAILOVER=yes) (CONNECT_DATA=(SERVER=DEDICATED) (SERVICE_NAME=*service*)));
- If you have DataGuard databases the standby databases should also be in CTLFILE2.
- Run C:\DIS\DB\DB_install\run\bin\DBcontrol_CTLFILE6.update.cmd. Add a line to CTLFILE6 for each new number you put in the SYS, STM, or DBA column in CTLFILE2 where the pswd is not already in CTLFILE6. In CTLFILE6 the *system* logins correspond to the STM column in CTLFILE2 and *dbpanel* logins correspond to the DBA column. So if you have only two database your CTLFILE6 might look like this:

```
0001=sys/pswd1;  
0002=system/pswd2;  
0003=dbpanel/pswd3;  
0004=sys/pswd4;  
0005=system/pswd5;  
0006=dbpanel/pswd6;
```

When you are done close the file and it will automatically be scrambled.

- Update the change comment in CTLFILE2 to keep track of changes then save the file.
- You might need to launch the dashboard several times until you get CTLFILE2 and CTLFILE6 right. When the dashboard shows instances in red it might mean you have not yet added their passwords to CTLFILE6. Each instance requires a password for SYS, STM and DBA but you can reuse the numbers already in CTLFILE6 if they match on *login/pswd* to keep CTLFILE6 as small as possible.

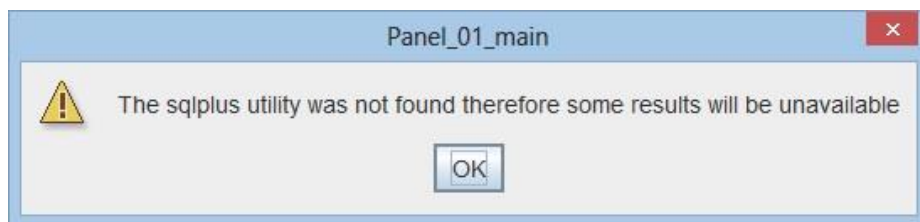
NOTE: For more help with this see the document **Adding_databases_to_CTLFILE2**

When you see a message “PANEL INSTALLATION PART 1 COMPLETED” hit Enter to close the command window.

4. Launch the dashboard (1min)

Click on the DBcafé desktop icon which executes
C:\DIS\DB\DASH\DB_dash\run\bin\Panel_01_main.cmd

If this message appears:

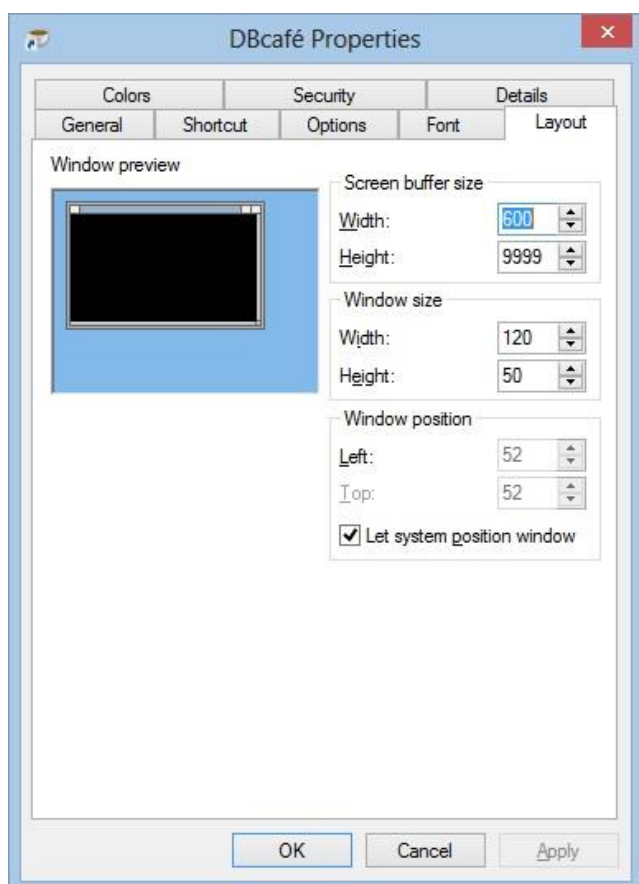


It means that an Oracle Client version with sqlplus is not installed.
The dashboard will work but not have full functionality. Hit Enter.



Hit Enter. This message will go away once a Host database has been configured.
Likewise the error messages in the command window about writing to the event log.

Select the DBcafé command window (black) and change its Layout settings to these:



You should now see the main panel showing your databases similar to this:

DBcafé : Panel_01 : database availability

Select database

seq	site	server	op. sys.	usage	host	description	DBNAME	SID	PDB	mode	role	edition	version	started	arch
00	site A	DELL4	Win8	prod	N	container1	CDB1	cdb1	CDB\$ROOT	read write	primary	Enterprise	12.1.0.1.0	2015-01-10	ON
01	site A	DELL4	Win8	prod	Y	container1	CDB1	cdb1	MFDB4	read write	primary	Enterprise	12.1.0.1.0	2015-01-10	ON
02	site A	DELL4	Win8	prod	N	container1	CDB1	cdb1	MFDB5	read write	primary	Enterprise	12.1.0.1.0	2015-01-10	ON
03	site A	DELL4	Win8	prod	N	container2	CDB2	cdb2	CDB\$ROOT	read write	primary	Enterprise	12.1.0.1.0	2015-01-01	ON
04	site A	DELL4	Win8	prod	N	container2	CDB2	cdb2	MFDB6	read write	primary	Enterprise	12.1.0.1.0	2015-01-01	ON
05	site A	DELL4	Win8	prod	N	non-cdb	MFDB1	mfd1	n/a	read write	primary	Enterprise	12.1.0.1.0	2015-01-01	ON
06	site A	DELL4	Win8	prod	N	non-cdb	MFDB7	mfd7	n/a	read write	primary	Enterprise	12.1.0.1.0	2015-01-10	ON
07	site B	DELL3	Win7	test	N	non-cdb	MFDB3	mfd3	n/a	read write	primary	Enterprise	11.2.0.3.0	2015-01-10	ON
08	site B	DELL-2	WinXP	test	N	non-cdb	MFDB2	mfd2	n/a	read write	primary	Enterprise	11.2.0.3.0	2015-01-10	ON

[17:38:07] All databases are up, and in archive log mode

Query selected database

Query all databases

Speech & Help

SQLPlus Query Explore Sessions Refresh Compare TableSpaces Users Speech Help Quit

The dashboard shows the databases listed in CTLFILE2 with the last 8 columns filled in by values obtained from the databases. It shows that all the databases are currently up and in archive log mode.

The left group of buttons address the database which is highlighted, the right group of buttons address all the databases. The Compare, TableSpaces and Users buttons will not show anything until you run the batch jobs which are explained in the batch installation guide.

5. Windows Taskbar (15sec)

Right-click on the Taskbar and click Properties and see the “Taskbar buttons” setting. You might find it gives you a better view of what’s running if you set it to “Never combine”.

6. Wordpad line wrap (1min)

The default editor for displaying results is Wordpad. You must **set line wrap off** in Wordpad. The quickest way to do this is to click the Query button in the main panel then click the Run query button which will run the first query on the list and open its results in Wordpad. Change the line wrap setting as follows:

Click on View – Word wrap, or View – Options – Text, and make sure that “No wrap” is selected.

7. The dashboard only displays things

Apart from updating its own schema for statistics gathering and logging, the only other times when the dashboard will change anything in a database is when you run a query which contains an ANALYZE command (see UT_indstats) and when you use the Sessions panel to kill a user session (for example to clear a deadlock). If you use the SQL*Plus panel to open a sqlplus session and make changes to the database then you are using privileges you already have which are independent of this dashboard.

8. Launch from the network

Once you are satisfied the dashboard is working you can copy the DASH directory to a shared disk. It works anywhere so long as the Java runtime is available. The directory should be accessible only to the DBA and persons who the DBA allows to use the dashboard.

Copy the C:\DIS\DB\DASH directory to a network disk *x*

Run *x*:\DASH\DB_dash\run\bin\Panel_01_main.cmd and paste this into the dialog:

```
C:\DIS\DB\DASH_hide\DB_dash\run\ctl\CTLFIL6_dbusers.ctl
```

TIP: to save doing this every time you can open C:\Temp\DASH\DBconfigure_local_preferences.temp.cmd and add this line:

```
set arg_CTLFIL6_REMOTE=C:\DIS\DB\DASH_hide\DB_dash\run\ctl\CTLFIL6_dbusers.ctl
```

9. Put CTLFIL6 in a secure place

If you are just testing the dashboard on a local test database and you have no production passwords in CTLFIL6 you might leave it in its default location. You might also feel it's safe to keep it there if the dashboard is on your personal computer which is for your exclusive use. See the installed document C:\DIS\DB\DB_doc\install\Adding_logins_to_CTLFIL6 for advice on how to protect the file.

10. Make a desktop icon

The installation script should have created a desktop icon named DBcafé. If not you can create it like this:

Right click on "C:\DIS\DB\DASH\DB_dash\run\bin\Panel_01_main.cmd" – Send to – Desktop. Change its name to DBcafé.

11. Windows 8 and 10 – add to All apps (optional)

If you like to work with the “Metro” desktop you can add the dashboard to it like this. Open File Explorer and open C:\ProgramData\Microsoft\Windows\Start Menu\Programs. Create a folder with a suitable name such as “Oracle – DBcafé”. Copy your desktop icon to this folder. Go to the Metro view by bringing up the Charms and clicking on the Start icon. Right-click to bring up the yellow banner and click on “All Apps”. Slide the scrollbar along the bottom of the screen until you see your folder and the shortcut it contains. Click once on the shortcut to launch the dashboard.

12. Finished

That completes the basic installation.

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