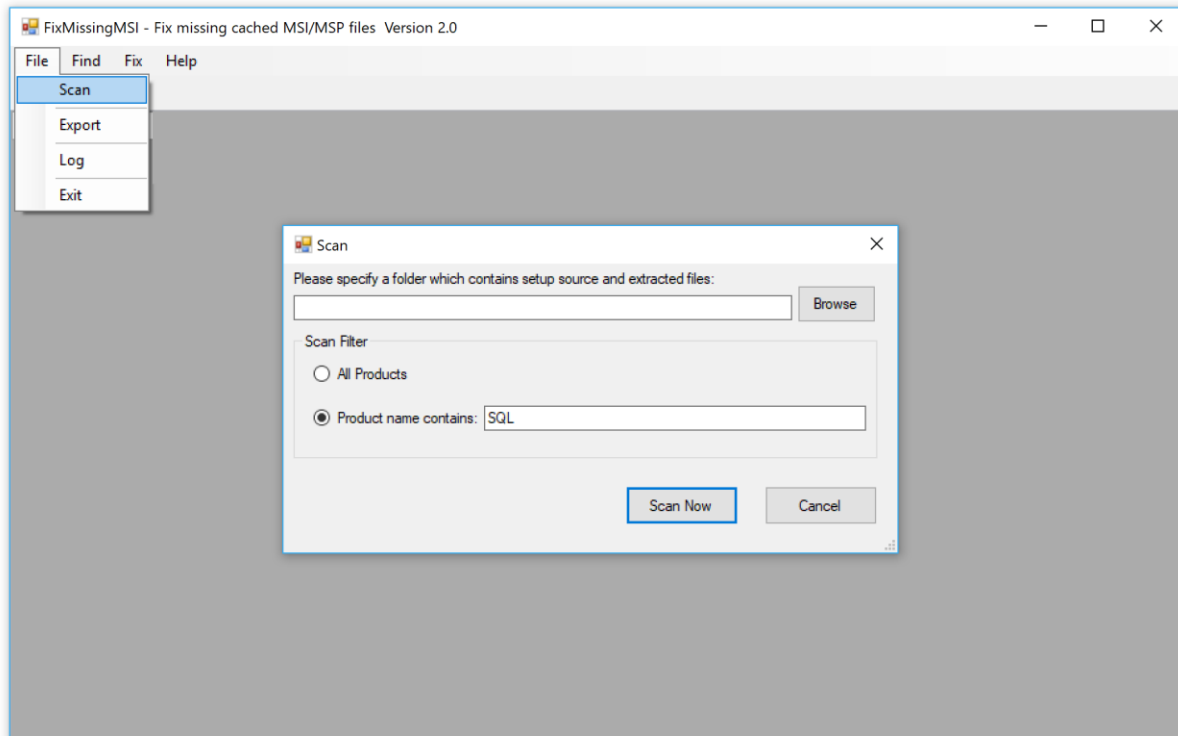


FixMissingMSI Version 2.0 Readme

FixMissingMSI - Fix missing cached MSI/MSP files Version 2.0									
File Find Fix Help									
Total: 146 OK: 144 Missing: 1 Mismatched: 1 <input checked="" type="radio"/> All <input type="radio"/> Missing or Mismatched Only									
	Action	Index	Status	PackageName	CachedMsiMsp	CachedMsiMspVer	ProductVersion	PatchBaselineVersi	Proc
		1	OK	SSCERuntime_x...	344407.msi	4.0.8876.1	4.0.8876.1		Micro
		2	OK	ssms_rs_loc.msi	1a0f6.msi	13.0.16106.4	13.0.16106.4		SQL
		3	OK	TSqlLanguageSe...	3444fb.msi	13.0.12000.52	13.0.12000.52		Micro
		4	OK	sql_tools.msi	38732b3.msi	13.0.14500.10	13.0.14500.10		SQL
		5	OK	sql_ssms.msi	1a023.msi	13.0.16106.4	13.0.16106.4		SQL
		6	OK	sql_engine_core...	3873294.msi	13.0.1601.5	13.1.4001.0		SQL
		7	OK	sql_engine_core...	5325ae0.msp	13.1.4001.0		13.0.1601.5	Servi
		8	OK	sql_engine_core...	55b05d8.msp	13.1.4457.0		13.1.4001.0	Hotfi
	Fix It	9	Mismatched	sql_engine_core...	5075512.msp	13.1.4457.0		13.1.4001.0	Hotfi
	Fix It	10	Missing	sql_engine_core...	55b04bc.msp				Hotfi
		11	OK	SqlDom.msi	344233.msi	12.0.2000.8	12.0.2000.8		Micro
		12	OK	conn_info_loc.msi	3873196.msi	13.0.14500.10	13.0.14500.10		SQL
		13	OK	sql_common_cor...	19d45.msi	13.0.1601.5	13.0.1601.5		SQL
		14	OK	smo_loc.msi	3873217.msi	13.0.14500.10	13.0.14500.10		SQL
		15	OK	rsfx.msi	80fa35.msi	13.1.4001.0	13.1.4001.0		Micro
		16	OK	sql_ssms_extensi...	19ffd.msi	13.0.1601.5	13.0.1601.5		SQL
		17	OK	sql_ssms_extensi...	19ffe.msp	13.0.2164.0		13.0.1601.5	Hotfi
		18	OK	sqllocaldb.msi	7cce26.msi	11.1.3000.0	11.1.3000.0		Micro

1.



<>Scan menu will popup scan dialog

<>If you choose “Product name contains” and input something like “SQL”, the tool will scan all products where its product name contains the specified key word.

<>If you specify this setup source folder, this tool will scan all those *.MSI and *.MSP files inside, and will check whether any missing/mismatched MSI/MSP can be found from these files.

If you don't specify this folder this tool may fail to find the MSI/MSP for those missing/mismatched files and hence you are not able to fix them. For some cases although you don't input this folder but this tool can still be able to find the missing MSI/MSP from its LastUsedSource folder of the installed product.

The best practice, for example, for SQL product, is that you put SQL server RTM setup media and all subsequent service packs, CUs to the same folder, for example:

C:\SQLMedia\RTM

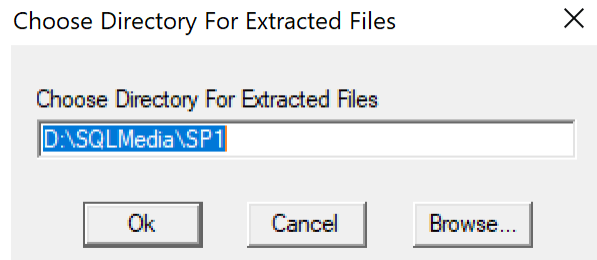
C:\SQLMedia\SP1

C:\SQLMedia\SP1CU1

...

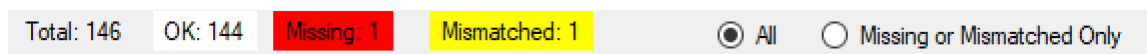
If you download service packs or CUs from the website, please remember to extract its package using X switch to the folder. For example, below command extract SP1 to SP1 subfolder:

SQLServer2016SP1-KB3182545-x64-ENU.exe /X



If you don't extract the package it is not helpful even if the package is in the same folder.

2.



OK means cached MSI/MSP exists and their product version matched.

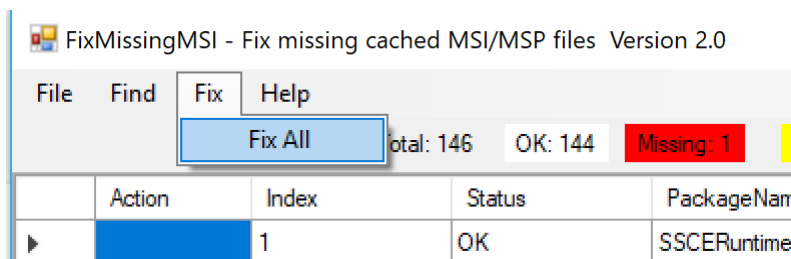
Missing means the cached MSI/MSP files are missing.

Mismatched means cached file are there but their product name or version are not matched with the expected values.

All: list all rows

Missing or Mismatched only: will list only those missing/mismatched rows.

3.



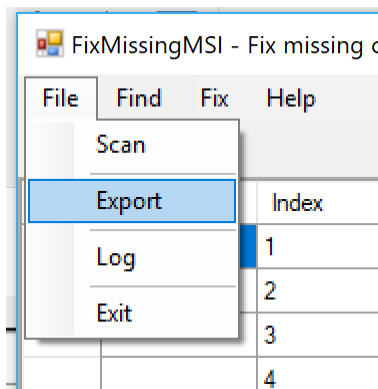
Fix all missing/mismatched automatically. However if expected MSI/MSP file is not found from setup source folder or lastUserSource the fix will fail.

4.

	Action	Index	Status	PackageName	CachedMsiMspVersion
		28	OK	SqlWriter.msp	38b...
	Fix It	29	Missing	SqlWriter.msp	12d...
		30	OK	ssms_rs.msi	1a0k...

“Fix It” Action will try to fix the missing MSI/MSP for this item.

5.



Export menu will save the rows to txt file and csv file. Txt file is readable and csv file can be viewed in excel.

Note: for txt file, better open it with Notepad++ or UltraEdit. It is not readable in notepad.exe.

Log menu to show the run time log of the tool. If any error thrown it will be save in the log.

Readable txt:

```

1 Index, Status, PackageName, CachedMsiMsp, CachedMsiMspVersion
2 1, OK, SSCERuntime_x64-ENU.msi, 344407.msi, 4.0.8876.1,
3 2, OK, ssms_rs_loc.msi, 1a0f6.msi, 13.0.16106.4,
4 3, OK, TSqlLanguageService.msi, 3444fb.msi, 13.0.12000.52,
5 4, OK, sql_tools.msi, 38732b3.msi, 13.0.14500.10,
6 5, OK, sql_ssms.msi, 1a023.msi, 13.0.16106.4,
7 6, OK, sql_engine_core_shared.msi, 3873294.msi, 13.0.1601.5,
8 7, OK, SQLLOCALDB.MSI, 1262ef73.msi, 13.0.1742.0,
9 8, OK, SqlDom.msi, 344233.msi, 12.0.2000.8,
10 9, OK, conn_info_loc.msi, 3873196.msi, 13.0.14500.10,
11 10, OK, vc_red.msi, 2970a166.msi, 9.0.30729.4148,
12 11, OK, sql_common_core_loc.msi, 19d45.msi, 13.0.1601.5,
13 12, OK, smo.msi, 3873206.msi, 13.0.14500.10,
14 13, OK, smo_loc.msi, 3873217.msi, 13.0.14500.10,
15 14, OK, sql_ssms_extensions.msi, 19ffd.msi, 13.0.1601.5,
16 15, OK, sql_ssms_extensions.msp, 19ffe.msp, 13.0.2164.0

```

Csv file In excel:

	A	B	C	D	E
1	Index	Status	PackageName	CachedMsiMsp	CachedMsiMspV
2		1 OK	SSCERuntime_x64-ENU.msi	344407.msi	4.0.8876.1
3		2 OK	ssms_rs_loc.msi	1a0f6.msi	13.0.16106.4
4		3 OK	TSqlLanguageService.msi	3444fb.msi	13.0.12000.52
5		4 OK	sql_tools.msi	38732b3.msi	13.0.14500.10
6		5 OK	sql_ssms.msi	1a023.msi	13.0.16106.4
7		6 OK	sql_engine_core_shared.msi	3873294.msi	13.0.1601.5
8		7 OK	SQLLOCALDB.MSI	1262ef73.msi	13.0.1742.0
9		8 OK	sql_dom.msi	344233.msi	13.0.12000.8

6.

Action	Index	Status	PackageName	CachedMsiMsp	CachedMsiMspVersion	ProductVersion
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Each column is sortable if you click it. And you can drag/drop the column header to change their order.

7.

FixCommand	Comment
	C:\W
COPY "C:\ProgramData\Package Cache\{B9AE9CC4-3390-491E-A01E-FC77003177E5}\v13.0.16106.4\x86\ssms_rs.msi" "C:\WINDOWS\INSTALLER\1a0ea.msi"	C:\W

FixCommand is the command how to fix the missing/mismatched file.

Comment has more information about the command.

8.

TSqlLanguageService.msi	7ccc78.msi	11.1.3000.0	11.1.3000.0
sqllocaldb.msi	344403.msi	12.0.2000.8	12.0.2000.8
SharedManagementObjects.msi	344421.msi	12.0.2000.8	12.0.2000.8
SharedManagementObjects.msi	34444f.msi	12.0.2000.8	12.0.2000.8
SqlDom.msi	344233.msi	12.0.2000.8	12.0.2000.8
TSqlLanguageService.msi	34423f.msi	12.0.2000.8	12.0.2000.8
SQLLOCALDB.MSI	1262ef73.msi	13.0.1742.0	13.0.1742.0
SharedManagementObjects.msi	344569.msi	13.0.1100.286	13.0.1100.286
SharedManagementObjects.msi	3445ab.msi	13.0.1100.286	13.0.1100.286
SQLServerBestPracticesPolicies.msi	19d21.msi	13.0.1601.5	13.0.1601.5
rsfx.msi	387325c.msi	13.0.1601.5	13.0.1601.5
SqlSupport.msi	19cbe.msi	13.0.1601.5	13.0.1601.5
SQL SUPPORT MSI	19cbe.msi	13.0.1601.5	13.0.1601.5

Copy selected cell(s)

Right click the selected cells you can copy them to clipboard.

9. Find/Find Next

You can find something in the grid

FixMissingMSI - Fix missing cached MSI/MSP files Version 2.0

File Find Fix Help

Find Ctrl+F Total: 146 OK: 144 Missing: 1 Mismatched: 1 All Missing or Mismatched Only

Find Next F3

	Status	PackageName	CachedMsiMsp	CachedMsiMspVer	ProductVersion	PatchBaselineVer	Pn
1	OK	SSCERuntime_x...	344407.msi	4.0.8876.1	4.0.8876.1		Mic
2	OK	...	...	...	...		SQ
3	OK	...	...	...	...		Mic
4	OK	...	...	...	...		SQ
5	OK	...	...	...	...		SQ
6	OK	...	...	...	...		SQ
7	OK	sql_engine_core...	532bae0.msp	13.1.4001.0		13.0.1601.5	Ser
8	OK	sql_engine_core...	55b05d8.msp	13.1.4457.0		13.1.4001.0	Hot
9	Mismatched	sql_engine_core...	5075512.msp	13.1.4457.0		13.1.4001.0	Hot
10	Missing	sql_engine_core...	55b04bc.msp				Hot
11	OK	SqlDom.msi	344233.msi	12.0.2000.8	12.0.2000.8		Mic
12	OK	conn_info_loc.msi	3873196.msi	13.0.14500.10	13.0.14500.10		SQ

FindWhat

Find what: engine

Find Next

Cancel