

DBMaker/DBMaster FAQ Document

Question:

How to make a batch script for rebuilding all indexes? (DBMR2924)

Answer:

Enter follow SQL commands to check and rebuild all indexes. For example, there is a database including five indexes.

1. Check "CREATE_TIME" of original indexes.

```
dmSQL> SELECT CREATE_TIME, TRIM(TABLE_OWNER) || '.' || TRIM(TABLE_NAME) as  
INDEX_NAME from SYSINDEX;
```

```
dmSQL> SELECT CREATE_TIME, TRIM(TABLE_OWNER) || '.' || TRIM(TABLE_NAME) as  
INDEX_NAME from SYSINDEX; CREATE_TIME INDEX_NAME
```

```
=====
```

```
2020/01/31 14:55:02 SYSADM.T1
```

```
2020/01/31 14:55:13 SYSADM.T2
```

```
2020/01/31 14:56:23 SYSADM.T3
```

```
2020/01/31 14:57:34 SYSADM.T4
```

```
2020/01/31 14:58:45 SYSADM.T5
```

2. Get all of the rebuild indexes command.

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```
dmSQL> SELECT 'REBUILD INDEX ' || RTRIM(INDEX_NAME) || ' FOR ' ||  
RTRIM(TABLE_OWNER) || '.' || RTRIM(TABLE_NAME) || ';' FROM SYSINDEX ORDER BY  
TABLE_OWNER, TABLE_NAME;
```

```
REBUILD INDEX IDX1 FOR SYSADM.T1;
```

```
REBUILD INDEX IDX2 FOR SYSADM.T2;
```

```
REBUILD INDEX IDX3 FOR SYSADM.T3;
```

```
REBUILD INDEX IDX4 FOR SYSADM.T4;
```

```
REBUILD INDEX IDX5 FOR SYSADM.T5;
```

3. Copy these rebuild commands into a script file, and run it.

```
dmSQL> run c:\rebuild.scp;
```

4. Execute step1 again. All indexes of “CREATE_TIME” updated.

```
dmSQL> SELECT CREATE_TIME, TRIM(TABLE_OWNER) || '.' || TRIM(TABLE_NAME) as  
INDEX_NAME from SYSINDEX;
```

```
CREATE_TIME  INDEX_NAME
```

```
=====
```

```
2020/01/31 16:14:40  SYSADM.T1
```

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2020/01/31 16:14:40 SYSADM.T2

2020/01/31 16:14:40 SYSADM.T3

2020/01/31 16:14:40 SYSADM.T4

2020/01/31 16:14:40 SYSADM.T5

Version: 5.2.2

Product: Normal/Bundle

Platform: Windows/Linux