

2940618 - Troubleshooting: Period-End Closing Issues

Version	2	Type	SAP Business One Notes
Language	English	Master Language	English
Priority	Recommendations/additional info	Category	FAQ
Release Status	Released for Customer	Released On	14.09.2020
Component	SBO-ADM-UT-YE (Period-End Closing)		

Please find the original document at <https://launchpad.support.sap.com/#/notes/2940618>

Symptom

You may encounter issues while working with *Period-End Closing* available under *Administration* → Utilities.

Solution

The *Period-End Closing* function closes the G/L accounts and moves their balance to the *Period-End Closing* account on the last day of the year, and on the next day it moves the balance to the *Retained Earnings* account.

Prerequisites:

Consider the following information before running *Period-End Closing* and when dealing with a related issue in SAP Business One:

1. The *Period-End Closing* function should be first executed on a copy of the database in a test environment to gauge its impact, because running the *Period-End Closing* is irreversible.
2. The involvement of the company's accountant is necessary to understand the impact and for the analysis of the balances in the G/L accounts and reports after performing *Period-End Closing*.
3. Obtain approval from the company's accountant before defining or updating any information in the productive environment.
4. The *Posting Periods* have direct relation to *Period-End Closing*.
5. Periods that are in *Locked* status are not available for selection under *Period-End Closing*.
6. For further information, refer to the referenced SAP Notes.

Make sure that you provide the following information when submitting a support incident regarding *Period-End Closing*:

1. The SAP Business One version, localization, and patch level in which the issue has occurred.
2. Whether the issue is reproducible in a standard SAP Business One demo database.
3. A screenshot of the error message displayed in the *Period-End Closing* window.
4. Details of the steps needed to reproduce the issue.

This document contains a list of known issues that occur while working with *Period-End Closing*:

Settings Issues

- [Reason 1: "Posting period locked; specify an alternative date \[Message 131-107\]" Error](#)
- [Reason 2: Missing Posting Period or Sub-Period in Period-End Closing - Selection Criteria](#)
- [Reason 3: "Account XXXXXXXXXXXX is inactive" Error](#)
- [Reason 4: "G/L account XXXXXXXXXXXX needs DR assignment for dimension 1; fill in DR-related fields" Error](#)

- [Reason 5: "Invalid Currency Code \[Message 173-16\]" Error](#)
- [Reason 6: "To generate this document, first define the numbering series in the Administration module \[Message 131-3\]" Error](#)
- [Reason 7: Is It Possible to Save Period-End Closing for a Later Run?](#)

User Handling Issues

- [Reason 1: Duplicate Journal Entries for Period-End Closing](#)
- [Reason 2: Incorrect Balances Appearing in Reports & G/L Accounts After Period-End Closing](#)
- [Reason 3: Suggested Posting for Sub-Periods After Period-End Closing](#)
- [Reason 4: Error When Data Archiving - "The following Periods cannot be archived XXX Period end closing was not performed" \(SAP Note 1746502\)](#)
- [Reason 5: Year End Closing in Turkey \(SAP Note 1801690\)](#)
- [Reason 6: Extra G/L Accounts in Period-End Closing - Selection Criteria](#)
- [Reason 7: Foreign Currency \(FC\) Balance Not Carried Over After Period-End Closing](#)

Database Issues

- [Reason 1: Missing Dates in Period-End Closing Journal Entries](#)
- [Reason 2: "No matching records found " \(SWEI\) \(ODBC -2028\) \[Message 131-183\]" Error](#)

Bug/System Limitation

- [Reason 1: "To complete this document with the entered Posting Date, first define the numbering series in the Administration module" Error](#)
- [Reason 2: "\(-10\) Too many characters in Date" Error](#)
- [Reason 3: How to Perform Period-End Closing per Branch for a Database with Multiple Branches?](#)
- [Reason 4: "Money Overflow; cannot display all digits \(ODBC -104\) \[Message 7001-21\]" Error](#)
- [Reason 5: Reversal of Executed Period-End Closing](#)

Appendix

Settings Issues:

Reason 1: "Posting period locked; specify an alternative date [Message 131-107]" Error

After entering the required details, such as *Posting Period*, *Retained Earnings* account, and *Period-End Closing* account in *Period-End Closing - Selection Criteria*, you choose the *Execute* button and you receive the following error message:



What to do/check?

Check the status of the *Posting Period* defined for the next year to the year for which *Period-End Closing* is being performed.

Resolution:

Since *Period-End Closing* transfers balances from the *Profit & Loss Account* on the last day of the **old** period to the *Period-End Closing* account, and then on the first day of the **new** period to *Retained Earnings* account, the **new** period should not have the *Locked* status.

Reason 2: Missing Posting Period or Sub-Period in *Period-End Closing - Selection Criteria*

Some sub-periods or years defined in *Posting Period* do not appear in *Period-End Closing - Selection Criteria*.

What to do/check?

- Check if the sub-period defined in the *Posting Period* is *Year* or *Months*.
- Check whether the complete year is missing or some months are missing.

Resolution:

If the sub-period is defined as *Year*, then in *Period-End Closing* for the calendar year, only one period is displayed. On the other hand, if it is defined as *Months*, then 12 periods are displayed.

Make sure that the sub-periods have the *Period Status* of *Unlocked* in the *Posting Periods* initialization. If the *Period Status* is *Locked*, then the period will not appear for selection in *Period-End Closing - Selection Criteria*.

Reason 3: "Account XXXXXXXXXXXX is inactive" Error

When running *Period-End Closing*, you receive the following error message for a single account or multiple G/L accounts:

Account XXXXXXXXXXXX is inactive

What to do/check?

- Check the G/L account mentioned in the error under *Chart of Account* → Account Details window for *Active Period*.
- Run the following detect query to check for *Inactive* G/L accounts:

```
SELECT "FrozenFrom","FrozenTo","FormatCode", * FROM OACT WHERE "FrozenFor" = 'Y'
```


- Check the dates defined in the *FrozenFrom* and *FrozenTo* fields.

Resolution:

Set G/L accounts found *Inactive* to *Active*, and run the *Period-End Closing*. Afterwards, those accounts can be set back to *Inactive*.

Reason 4: "G/L account XXXXXXXXXXXX needs DR assignment for dimension 1; fill in DR-related fields" Error

When you select the *Distribution Rule* option for the P&L Account and activate the *Block Posting* option for *Distribution Rule(DR)*, you receive the following error message when trying to execute the *Period-End Closing*:

 G/L account 41100000-01-001-01 needs DR assignment for dimension 1; fill in DR-related fields

What to do/check?

- Check whether the *Block Posting* option is activated under *Administration* → System Initialization →

General Settings → Cost Accounting → Distribution Rule (DR) [...].

- Check whether the *Apply to Period-End Closing* option is activated under the *Administration* → System Initialization → General Settings → Cost Accounting tab.
- Check whether the *Distribution Rule* checkbox is selected for the P&L Account in *Chart of Account* without a default distribution rule defined.

Resolution:

Consult SAP Note [1751376](#) regarding the workaround for the issue.

Reason 5: "Invalid Currency Code [Message 173-16]" Error

When trying to execute *Period-End Closing*, you receive the following error message:

Invalid Currency Code [Message 173-16]

What to do/check?

- Check the localization in use, and check if the *Integrate Posting* option is available in the localization used (for example, China or Korea).
- Check the currency for *Rounding Account* under the *Administration* → Setup → Financials → G/L Determination → General tab.
- Check the currency for *Period-End Closing Account* under the *Administration* → Setup → Financials → G/L Determination → General tab.
- Check for any G/L account which is in the local currency but has transactions in a foreign currency.

Resolution:

1. If the *Integrate Posting* option is available in the database (in localizations such as China or Korea), refer to SAP Note [1463912](#).
2. Set the currency for *Rounding Account* under the *Administration* → Setup → Financials → G/L Determination → General tab to *All Currencies*.
3. Set the currency for *Period-End Closing Account* under the *Administration* → Setup → Financials → G/L Determination → General tab to *All Currencies*.
4. Change the account currency to *All Currencies* for the G/L accounts which are in the local currency but have transactions in a foreign currency. The G/L account can be determined by running the following query:

```
SELECT DISTINCT t0."ActCurr", t0."AcctCode", t1."FCCurrency"
FROM OACT t0
INNER JOIN JDT1 t1 ON t1."Account" = t0."AcctCode"
WHERE t0."ActCurr" <> t1."FCCurrency" AND t0."ActCurr" <> '##' AND "FCCurrency"
<> (SELECT "MainCurncy" FROM OADM)
ORDER BY t0."ActCurr"
```

For more information on the topic, see SAP Note [1544573](#).

Reason 6: "To generate this document, first define the numbering series in the Administration module [Message 131-3]" Error

When trying to execute the *Period-End Closing*, you receive the following error message:

To generate this document, first define the numbering series in the Administration module [Message 131-3]

What to do/check?

Running the *Period-End Closing* generates *Journal Entries*, which moves balances from the *Profit and Loss* accounts to the *Period-End Closing* account and from the *Period-End Closing* account to the *Retained Earnings* account.

Check for *Document Numbering of Journal Entry* under *Administration* → *System Initialization* → *Document Numbering* related to the year for which *Period-End Closing* is being performed and confirm that the numbering range is large enough so as to cover new *Journal Entries* created by *Period-End Closing*.

Resolution:

Document Numbering for *Journal Entry* should be defined in a way that postings related to *Period-End Closing* are covered without exceeding the last number. Otherwise, a new series for *Journal Entry* needs to be defined.

Reason 7: Is It Possible to Save Period-End Closing for a Later Run?

You may need to save the *Period-End Closing* result for all the G/L accounts and balances selected for a later run to be able to double-check or confirm the selection before finally running the utility to close the year. Saving a *Period-End Closing* run as draft is possible.

What to do/check?

In the *Period-End Closing* result window, the option *Save* is available as per the below screenshot:

Ref. 1	Ref. 2	Value Date	Document Date	Remarks
1	2	12/31/2020	12/31/2020	For Closing Period 103

Approved	Account Code	Account Name	Cur...
<input checked="" type="checkbox"/>	51100000-01-001-01	COGS - Domestic (HO, USA, GA)	\$
<input checked="" type="checkbox"/>	52300000-01-001-01	Gain/Loss Inventory Variance (HO, USA, GA)	\$
<input checked="" type="checkbox"/>	66000000-01-001-01	State Sales Tax Expense (HO, USA, GA)	\$

Buttons: Execute, Cancel, ☒ Create Auto. Remarks, **Save**

Resolution:

Once you choose *Save* in the *Period-End Closing* results window, the draft *Period-End Closing* run is saved for that specific year. To re-check or open the previously saved *Period-End Closing* report, you need to choose the *Previous Report* button in the *Period-End Closing - Selection Criteria* window as below:

Period-End Closing - Selection Criteria

P/L Accounts Find 1

#	X	Account
1	x	Revenues
18	x	Cost of Sales
33	x	Expenses
96	x	Financing
120	x	Other Revenues and Expenses
129	x	#9
130	x	#10

Period 2020 From 2020 To 2020

Retained Earnings Account Retained Earnings (HO, USA, GA)

Period-End Closing Account 33100000-01-001-01 Retained Earnings (HO, USA, GA)

☐ Use Primary Closing Account

Execute Cancel Expanded Previous Report Settings

However, if you select another year or change the settings in the *Period-End Closing* result window and choose *Save* again, the earlier instance of the draft will be overwritten and the latest one will be displayed when you choose *Previous Report*.

[Back to Top](#)

User Handling Issues:

Reason 1: Duplicated Journal Entries for Period-End Closing

After posting adjustment entries in a *Posting Period* for which the *Period-End Closing* is already performed, the *Period-End Closing* is being performed again, and the utility posts duplicate set of journal entries on the already closed accounts.

Example: Fiscal year 2019 consists of 12 periods (months). After closing the year 2019 and clearing all the open balances (i.e. for expense/revenue accounts) using *Period-End Closing*, the period is locked. A few adjustment entries are posted to the last sub-period (2019-12 – December). Only the December sub-period from previously locked posting periods is re-opened and *Period-End Closing* is again conducted for the period of 01.12.2019 - 31.12.2019 (December) As a result, when running the *Period-End Closing* only for the December sub-period, the system finds the balance for December, including the closing transaction that was posted (in some cases it is only the closing transaction) which leads to duplication of the journal entries in *Period-End Closing*.

What to do/check?

Check the status of *Posting Periods* for the *Fiscal Year* for which the locked periods are re-opened.

Resolution:

To avoid posting duplicate entries on the accounts involved in the *Period-End Closing*, after posting the adjustment entries, the user should unlock the complete *Posting Period* (i.e. all sub-periods) for which the *Period-End Closing* is already performed so as to have the correct balances.

Reason 2: Incorrect Balances Appearing in Reports & G/L Accounts After Period-End Closing

When executing *Period-End Closing*, the balances appear incorrect in reports and G/L account balances.

What to do/check?

Look up *Period-End Closing* and *Retained Earnings* accounts in the *Chart of Accounts*. Check under which *Chart of Account* drawer both G/L accounts are defined.

Resolution:

Make sure that *Period-End Closing* and *Retained Earnings* accounts are properly set. The accounts should be *Capital & Reserve* accounts, and should not fall under *Profit & Loss* or cost-related category.

Reason 3: Suggested Posting for Sub-Periods After Period-End Closing

Open balances are suggested to be cleared when choosing sub-periods for closed fiscal years when executing *Period-End Closing*.

Example: Fiscal year 2019 consists of 12 periods (months). After closing the year 2019 and clearing all the open balances (i.e. for expense/revenue accounts) using *Period-End Closing*, the period is locked. Previously locked periods are re-opened and *Period-End Closing* is again conducted for the period of 1.10.2019 - 31.12.2019 (October to December) As a result, balances are suggested to be posted. If all the previous fiscal years have been closed for a certain account, those balances correspond to the cumulative balance before 1.10.2019 in the fiscal year 2019.

What to do/check?

Check the status of *Posting Periods* of the *Fiscal Year* for which the locked periods are re-opened.

Resolution:

The behavior is, by system definition, to facilitate the closing of *Profit & Loss* accounts monthly without necessarily closing the whole fiscal year.

To avoid posting suggestions for balances that have already been cleared when closing a previous fiscal year, it is recommended to lock the relevant posting period under *Administration* → *System Initialization* → *Posting Periods*.

For more information, see SAP Note [1482130](#).

Reason 4: Error When Data Archiving - “The following Periods cannot be archived XXX Period end closing was not performed” (SAP Note [1746502](#))

When running *Data Archive* after closing periods and locking them, you still receive the following error message:

The following Periods cannot be archived XXX Period end closing was not performed

What to do/check?

Check if the location of accounts is correct in the *Chart of Account*, that is, if the defined accounts are subject to the accounting logic. For example, whether the *Cost of Sales* account is not defined in the *Profit and Loss* drawer instead of the *Capital and Reserves* drawer (Balance Sheet).

Resolution:

Make sure that accounts are defined in the correct drawer: they should be *Capital and Reserves* accounts (Balance Sheet), and should not fall into any *Profit & Lost* accounts.

If they are defined in an incorrect drawer, then you need to move them to *Capital and Reserves* accounts (Balance Sheet drawers; that is, the first three drawers) through the *Edit Chart of Accounts* window. Afterwards, you will be able to execute *Data Archive Wizard*.

You may as well use the following query to identify accounts that need to be moved to *Capital and Reserves* or Balance Sheet drawers.

```
SELECT "Account", SUM("Debit") - SUM("Credit")
FROM JDT1
WHERE "Account" IN (SELECT "AcctCode" FROM OACT WHERE "GroupMask" > 3) AND
"RefDate" <= 'YYYY.MM.DD'
GROUP BY "Account"
HAVING SUM("Debit") - SUM("Credit") <> 0
---YYYY.MM.DD = Choose the last date of the posting year that you are archiving.
```

Reason 5: Year-End Closing in Turkey (SAP Note [1801690](#))

In a database of the Turkey localization, *Period-End Closing* needs to be performed by level for all the closing accounts.

What to do/check?

- The localization of the database in use is Turkey (TR).

Resolution:

Check the detailed instructions on performing *Period-End Closing* in Turkey (TR) localization in SAP Note [1801690](#).

Reason 6: Extra G/L Accounts in Period-End Closing - Selection Criteria

There are more than two G/L accounts (*Period-End Closing* account & *Retained Earnings* account) to close as in the following screenshot:

Period-End Closing - Selection Criteria

☒ BP ☒ Accounts Find 1

Code From To

Customer Group All

Supplier Group All

Properties Ignore

#	X	Account
1	x	⇒ Eszközök
195	x	⇒ Források
297	x	⇒ Saját tőke és elhatárolások
298	x	⇒ Bevételek
374	x	⇒ Ráfordítások
434	x	⇒ Egyéb bevételek és ráfordítások
556	x	⇒ Technikai 1
557	x	⇒ Technikai 2
558	x	⇒ #9

Period From To

Retained Earnings Account

Period-End Closing Account ⇒ 49200000 Zárómérleg számla

Period-End Opening Account

Profit and Loss Account

Execute Cancel Expanded Previous Report Settings

What to do/check?

- Check the localization of the database in use.

Resolution:

Different localizations may have different reporting/legal requirements with respect to *Period-End Closing*.

In certain localizations it is possible to carry forward balances of *Balance Sheet* accounts as well as the *Business Partners* (such as Austria, Belgium, Chile, Costa Rica, Czechia, France, Guatemala, Hungary, Italy, Mexico, Portugal, Slovakia, and Spain). Therefore, *Period-End Opening* and *Profit and Loss Account* appear in *Period-End Closing - Selection Criteria* as additional G/L accounts to be defined.

To check the usage of G/L accounts required to be defined to run *Period-End Closing*, see the country/region-specific help file or contact the Local Product Expert (LPE) of the localization.

For more information, refer to the *Country-Specific Feature* section on page 50 of [How to Perform Year-End Closing in SAP Business One](#).

Reason 7: Foreign Currency (FC) Balance Not Carried Over After Period-End Closing

After performing *Period-End Closing*, you find that for some *Profit and Loss* accounts uncleared Foreign Currency (FC) balance remains.

What to do/check?

- Check the currency setting for the G/L accounts with uncleared Foreign Currency (FC) balance.

Resolution:

When executing *Period-End Closing*, the Balance (FC) column will actually be cleared only if the account currency is set as Foreign Currency (FC). The updated Foreign Currency balance of an All Currencies-type account in multiple currencies is irrelevant.

For more information, see SAP Note [1684762](#).

[Back to Top](#)

Database Issues:

Reason 1: Missing Dates in Period-End Closing Journal Entries

Posting Date and *Document Date* fields are empty in *Journal Entries* created by the *Period-End Closing* utility.

What to do/check?

- Check SAP Business One version and patch.
- Check whether *Integrate Posting* is selected when running *Period-End Closing*.
- Check the JDT1 table for the *RefDate* and *TaxDate* fields.

Resolution:

See SAP Note [2647108](#). Confirm by upgrading the database to version 9.3 PL05 or higher.

If the issue still exists, it will be necessary to repair the database. Run the following query, proceed as described in the [Prerequisites](#) section, and log a support message through *Support Launchpad for SAP Business One* under the **SBO-ADM-UT-YE** component.

```
SELECT t0."DueDate",t1."DueDate",t0."RefDate",t1."RefDate",t0."TaxDate",t1."TaxDate",*  
FROM JDT1 t0 INNER JOIN OJDT t1 ON t0."TransId"=t1."TransId"  
WHERE t1."TransType"=-3  
AND (t0."DueDate" IS NULL OR T0."RefDate" IS NULL OR t0."TaxDate" IS NULL);
```

Reason 2: "No matching records found " (SWEI) (ODBC -2028) [Message 131-183]" Error

When performing *Period-End Closing*, you receive the following error message:

No matching records found " (SWEI) (ODBC -2028) [Message 131-183]

What to do/check?

- Check the *Chart of Account* or *AcctCode.OACT* if there are G/L accounts with the same *Account Code* but count more than one time.
- Check what the *DataSource* of the record is in the OACT (Chart of Account) table.

Resolution:

Run detect query in SAP Note [2730633](#) and confirm if there is any result. If there are results obtained, then log a support message through *Support Launchpad for SAP Business One* under the **SBO-ADM-UT-YE** component. However, as a prerequisite for seeking help for legacy records, upgrade the database to SAP Business One version 9.3 PL10 or higher beforehand.

[Back to Top](#)

4. Influence 4 - Bug/System Limitation:

Reason 1: "To complete this document with the entered Posting Date, first define the numbering series in the Administration module" Error

When trying to execute *Period-End Closing*, you receive the following error message:

To complete this document with the entered Posting Date, first define the numbering series in the Administration module

What to do/check?

- Check whether the *Multiple Branches* functionality is enabled.
- Check if *Period Indicators* are different for different *Posting Periods*.

Resolution:

See SAP Notes [2837598](#) and [2701315](#). It is recommended to upgrade to version 9.3 PL12 or higher.

Reason 2: "(-10) Too many characters in Date" Error

Period-End Closing fails with system message '(-10) Too many characters in Date'. The application shuts down when you choose the *OK* button on the displayed system message.

What to do/check?

Check if you are working in a new database with system-defined UDFs (user-defined field) (naming convention: "B1SYS..") under *Main Menu* → *Tools* → *User-Defined Fields - Management* → *Category Accounting* → *Journal Transactions - Header*.

Resolution:

See SAP Note [2755888](#). The issue is fixed in version 9.3 PL10.

Reason 3: Perform Period-End Closing by Branch for a Database with Multiple Branches

A database with postings to different branches requires to perform *Period-End Closing* branch-wise. Every branch is required to be closed individually.

What to do/check?

- Check whether the *Multiple Branches* functionality is enabled.
- Check the customer's SAP Business One version.

Resolution:

- For version 9.3: see SAP Note [2397907](#) for performing *Period-End Closing* for branches.
- For version 10.0: see SAP Note [2857072](#). The issue is fixed in version 10.0 PL01.

Reason 4: "Money Overflow; cannot display all digits (ODBC -104) [Message 7001-21]" Error

When trying to execute *Period-End Closing*, you receive the following error message twice in the *System*

Messages Log:

Money Overflow; cannot display all digits (ODBC -104) [Message 7001-21]

What to do/check?

Check if there are UDFs defined for *Journal Entry*.

Resolution:

See the workaround described in SAP Note [2455197](#). The issue is fixed in version 9.2 PL09.

Reason 5: Reversal of Executed Period-End Closing

For some reason, you want to reverse the *Period-End Closing* for the already executed run. However, it has already transferred all the balances from *Profit and Loss* to *Period-End Closing* account, and then from *Period-End Closing* account to *Retained Earnings* account.

What to do/check?

Check whether *Period-End Closing* is being performed in the productive database.

Resolution:

Period-End Closing cannot be automatically reversed.

Perform the following test:

- Back up the database and restore it in a test environment.
- Try by manually reversing all the transactions related to *Period-End Closing*. This process needs to be done by canceling every transaction made by the *Period-End Closing* utility.

For more information, see SAP Note [2311077](#).

[Back to Top](#)

Appendix:

Additional Information

SAP Notes on Program Errors Fixed in Patch:

Make sure that you check information on fixes in patches regularly in the patch overview SAP Note (Info file.txt).

How-to Guides Related to Period-End Closing

[How to Perform Year-End Closing in SAP Business One](#)

Other terms

Closing, Year End, Period End Closing, TransType, Retained Earning, Profit Period, Clearing Account, PEC

Products

SAP B1 VERSION FOR SAP HANA all versions

SAP BUSINESS ONE all versions

This document refers to

SAP Note/KBA	Title
2857072	Multiple Branches Period-End Closing
2837598	Period End Closing Fails with Document Numbering Error in Company with Multiple Branches
2755888	Period End Closing Fails with Error and Application Shutdown
2730633	Missing G/L Accounts in Reports or "No matching records found" or "Enter valid code" Error
2701315	Period End Closing Fails with Document Numbering Error in Multiple Branches Company
2647108	Posting Date and Document Date Are Empty in Journal Entry
2455197	Error "Money Overflow" When Running Period-End Closing
2397907	Performing Period-End Closing for Branches
2311077	Reversing or Cancelling Period End transactions
1751376	"Apply to Period-End Closing" Checkbox Not Visible Under "Distribution Rule" and "Project Code" Fields on "Cost Accounting" Tab of "General Settings" Window
1746502	Data Archive Error: “The following Periods cannot be archived XXX Period end closing was not performed”
1684762	FC Balance Is Not Cleared After Period-End Closing
1544573	Cannot perform Period End Closing due to Currency Code error
1482130	Suggested Posting for Sub-Periods after Year-End Closing
1463912	Cannot Close G/L Accounts with Foreign Currency Balance When Running Period-End Closing

This document is referenced by

SAP Note/KBA	Title
--------------	-------

2950782	Troubleshooting - Trial Balance Issues
---------	--

[Terms of use](#) | [Copyright](#) | [Trademark](#) | [Legal Disclosure](#) | [Privacy](#)