SYS.dm\_exec\_sessions

| Column name | Data type | Description and version-specific information |
| --- | --- | --- |
| session\_id | **smallint** | Identifies the session associated with each active primary connection. Is not nullable. |
| login\_time | **datetime** | Time when session was established. Is not nullable. |
| host\_name | **nvarchar(128)** | Name of the client workstation that is specific to a session. The value is NULL for internal sessions. Is nullable.  **Security Note:** The client application provides the workstation name and can provide inaccurate data. Do not rely upon HOST\_NAME as a security feature. |
| program\_name | **nvarchar(128)** | Name of client program that initiated the session. The value is NULL for internal sessions. Is nullable. |
| host\_process\_id | **int** | Process ID of the client program that initiated the session. The value is NULL for internal sessions. Is nullable. |
| client\_version | **int** | TDS protocol version of the interface that is used by the client to connect to the server. The value is NULL for internal sessions. Is nullable. |
| client\_interface\_name | **nvarchar(32)** | Name of library/driver being used by the client to communicate with the server. The value is NULL for internal sessions. Is nullable. |
| security\_id | **varbinary(85)** | Microsoft Windows security ID associated with the login. Is not nullable. |
| login\_name | **nvarchar(128)** | SQL Server login name under which the session is currently executing. For the original login name that created the session, see original\_login\_name. Can be a SQL Server authenticated login name or a Windows authenticated domain user name. Is not nullable. |
| nt\_domain | **nvarchar(128)** | **Applies to**: SQL Server 2008 through SQL Server 2017.  Windows domain for the client if the session is using Windows Authentication or a trusted connection. This value is NULL for internal sessions and non-domain users. Is nullable. |
| nt\_user\_name | **nvarchar(128)** | **Applies to**: SQL Server 2008 through SQL Server 2017.  Windows user name for the client if the session is using Windows Authentication or a trusted connection. This value is NULL for internal sessions and non-domain users. Is nullable. |
| status | **nvarchar(30)** | Status of the session. Possible values:  **Running** - Currently running one or more requests  **Sleeping** - Currently running no requests  **Dormant** – Session has been reset because of connection pooling and is now in prelogin state.  **Preconnect** - Session is in the Resource Governor classifier.  Is not nullable. |
| context\_info | **varbinary(128)** | CONTEXT\_INFO value for the session. The context information is set by the user by using the [SET CONTEXT\_INFO](https://docs.microsoft.com/en-us/sql/t-sql/statements/set-context-info-transact-sql) statement. Is nullable. |
| cpu\_time | **int** | CPU time, in milliseconds, that was used by this session. Is not nullable. |
| memory\_usage | **int** | Number of 8-KB pages of memory used by this session. Is not nullable. |
| total\_scheduled\_time | **int** | Total time, in milliseconds, for which the session (requests within) were scheduled for execution. Is not nullable. |
| total\_elapsed\_time | **int** | Time, in milliseconds, since the session was established. Is not nullable. |
| endpoint\_id | **int** | ID of the Endpoint associated with the session. Is not nullable. |
| last\_request\_start\_time | **datetime** | Time at which the last request on the session began. This includes the currently executing request. Is not nullable. |
| last\_request\_end\_time | **datetime** | Time of the last completion of a request on the session. Is nullable. |
| reads | **bigint** | Number of reads performed, by requests in this session, during this session. Is not nullable. |
| writes | **bigint** | Number of writes performed, by requests in this session, during this session. Is not nullable. |
| logical\_reads | **bigint** | Number of logical reads that have been performed on the session. Is not nullable. |
| is\_user\_process | **bit** | 0 if the session is a system session. Otherwise, it is 1. Is not nullable. |
| text\_size | **int** | TEXTSIZE setting for the session. Is not nullable. |
| language | **nvarchar(128)** | LANGUAGE setting for the session. Is nullable. |
| date\_format | **nvarchar(3)** | DATEFORMAT setting for the session. Is nullable. |
| date\_first | **smallint** | DATEFIRST setting for the session. Is not nullable. |
| quoted\_identifier | **bit** | QUOTED\_IDENTIFIER setting for the session. Is not nullable. |
| arithabort | **bit** | ARITHABORT setting for the session. Is not nullable. |
| ansi\_null\_dflt\_on | **bit** | ANSI\_NULL\_DFLT\_ON setting for the session. Is not nullable. |
| ansi\_defaults | **bit** | ANSI\_DEFAULTS setting for the session. Is not nullable. |
| ansi\_warnings | **bit** | ANSI\_WARNINGS setting for the session. Is not nullable. |
| ansi\_padding | **bit** | ANSI\_PADDING setting for the session. Is not nullable. |
| ansi\_nulls | **bit** | ANSI\_NULLS setting for the session. Is not nullable. |
| concat\_null\_yields\_null | **bit** | CONCAT\_NULL\_YIELDS\_NULL setting for the session. Is not nullable. |
| transaction\_isolation\_level | **smallint** | Transaction isolation level of the session.  0 = Unspecified  1 = ReadUncomitted  2 = ReadCommitted  3 = Repeatable  4 = Serializable  5 = Snapshot  Is not nullable. |
| lock\_timeout | **int** | LOCK\_TIMEOUT setting for the session. The value is in milliseconds. Is not nullable. |
| deadlock\_priority | **int** | DEADLOCK\_PRIORITY setting for the session. Is not nullable. |
| row\_count | **bigint** | Number of rows returned on the session up to this point. Is not nullable. |
| prev\_error | **int** | ID of the last error returned on the session. Is not nullable. |
| original\_security\_id | **varbinary(85)** | Microsoft Windows security ID that is associated with the original\_login\_name. Is not nullable. |
| original\_login\_name | **nvarchar(128)** | SQL Server login name that the client used to create this session. Can be a SQL Server authenticated login name, a Windows authenticated domain user name, or a contained database user. Note that the session could have gone through many implicit or explicit context switches after the initial connection. For example, if [EXECUTE AS](https://docs.microsoft.com/en-us/sql/t-sql/statements/execute-as-transact-sql) is used. Is not nullable. |
| last\_successful\_logon | **datetime** | **Applies to**: SQL Server 2008 through SQL Server 2017.  Time of the last successful logon for the original\_login\_name before the current session started. |
| last\_unsuccessful\_logon | **datetime** | **Applies to**: SQL Server 2008 through SQL Server 2017.  Time of the last unsuccessful logon attempt for the original\_login\_name before the current session started. |
| unsuccessful\_logons | **bigint** | **Applies to**: SQL Server 2008 through SQL Server 2017.  Number of unsuccessful logon attempts for the original\_login\_name between the last\_successful\_logon and login\_time. |
| group\_id | **int** | ID of the workload group to which this session belongs. Is not nullable. |
| database\_id | **smallint** | **Applies to**: SQL Server 2012 through SQL Server 2017.  ID of the current database for each session. |
| authenticating\_database\_id | **int** | **Applies to**: SQL Server 2012 through SQL Server 2017.  ID of the database authenticating the principal. For Logins, the value will be 0. For contained database users, the value will be the database ID of the contained database. |
| open\_transaction\_count | **int** | **Applies to**: SQL Server 2012 through SQL Server 2017.  Number of open transactions per session. |
| pdw\_node\_id | **int** | **Applies to**: Azure SQL Data Warehouse, Parallel Data Warehouse  The identifier for the node that this distribution is on. |