

Environment variables

Environment variable	Description
ACCEPT_EULA	Set the ACCEPT_EULA variable to any value to confirm your acceptance of the End-User Licensing Agreement. Required setting for the SQL Server image.
MSSQL_SA_PASSWORD	Configure the SA user password.
MSSQL_PID	<p>Set the SQL Server edition or product key. Possible values include:</p> <ul style="list-style-type: none">EvaluationDeveloperExpressWebStandardEnterpriseA product key <p>If specifying a product key, it must be in the form of #####-#####-#####-#####-#####, where '#' is a number or a letter.</p>
MSSQL_LCID	Sets the language ID to use for SQL Server. For example 1036 is French.
MSSQL_COLLATION	Sets the default collation for SQL Server. This overrides the default mapping of language id (LCID) to collation.
MSSQL_MEMORY_LIMIT_MB	Sets the maximum amount of memory (in MB) that SQL Server can use. By default it is 80% of the total physical memory.
MSSQL_TCP_PORT	Configure the TCP port that SQL Server listens on (default 1433).
MSSQL_IP_ADDRESS	Set the IP address. Currently, the IP address must be IPv4 style (0.0.0.0).
MSSQL_BACKUP_DIR	Set the Default backup directory location.
MSSQL_DATA_DIR	Change the directory where the new SQL Server database data files (.mdf) are created.

Environment variable	Description
MSSQL_LOG_DIR	Change the directory where the new SQL Server database log (.ldf) files are created.
MSSQL_DUMP_DIR	Change the directory where SQL Server will deposit the memory dumps and other troubleshooting files by default.
MSSQL_ENABLE_HADR	Enable Availability Group. For example, '1' is enabled, and '0' is disabled
MSSQL_AGENT_ENABLED	Enable SQL Server Agent. For example, 'true' is enabled and 'false' is disabled. By default, agent is disabled.
MSSQL_MASTER_DATA_FILE	Sets the location of the master database data file. Must be named master.mdf until first run of SQL Server.
MSSQL_MASTER_LOG_FILE	Sets the location of the master database log file. Must be named mastlog.ldf until first run of SQL Server.
MSSQL_ERROR_LOG_FILE	Sets the location of the errorlog files.

Use with initial setup

This example runs `mssql-conf setup` with configured environment variables. The following environment variables are specified:

- **ACCEPT_EULA** accepts the end user license agreement.
- **MSSQL_PID** specifies the freely licensed Developer Edition of SQL Server for non-production use.
- **MSSQL_SA_PASSWORD** sets a strong password.
- **MSSQL_TCP_PORT** sets the TCP port that SQL Server listens on to 1234.

```
bash
```

Copy

```
sudo ACCEPT_EULA='Y' MSSQL_PID='Developer'  
MSSQL_SA_PASSWORD='<YourStrong!Passw0rd>' MSSQL_TCP_PORT=1234  
/opt/mssql/bin/mssql-conf setup
```

Use with Docker

This example docker command uses the following environment variables to create a new SQL Server container:

- **ACCEPT_EULA** accepts the end user license agreement.
- **MSSQL_PID** specifies the freely licensed Developer Edition of SQL Server for non-production use.

- **MSSQL_SA_PASSWORD** sets a strong password.
- **MSSQL_TCP_PORT** sets the TCP port that SQL Server listens on to 1234. This means that instead of mapping port 1433 (default) to a host port, the custom TCP port must be mapped with the `-p 1234:1234` command in this example.

If you are running Docker on Linux/macOS, use the following syntax with single quotes:

```
bash
```

Copy

```
docker run -e ACCEPT_EULA=Y -e MSSQL_PID='Developer' -e  
MSSQL_SA_PASSWORD='<YourStrong!Passw0rd>' -e MSSQL_TCP_PORT=1234 -p 1234:1234 -  
d mcr.microsoft.com/mssql/server:2017-latest
```

If you are running Docker on Windows, use the following syntax with double quotes:

```
bash
```

Copy

```
docker run -e ACCEPT_EULA=Y -e MSSQL_PID="Developer" -e MSSQL_SA_PASSWORD="  
<YourStrong!Passw0rd>" -e MSSQL_TCP_PORT=1234 -p 1234:1234 -d  
mcr.microsoft.com/mssql/server:2017-latest
```

Note

The process for running production editions in containers is slightly different. For more information, see [Run production container images](#).