

NAME

ALTER_ROUTINE – change the definition of a routine

SYNOPSIS

```
ALTER ROUTINE name [ ( [ argmode ] [ argname ] argtype [ ... ] ) ]
    action [ ... ] [ RESTRICT ]
ALTER ROUTINE name [ ( [ argmode ] [ argname ] argtype [ ... ] ) ]
    RENAME TO new_name
ALTER ROUTINE name [ ( [ argmode ] [ argname ] argtype [ ... ] ) ]
    OWNER TO { new_owner | CURRENT_ROLE | CURRENT_USER | SESSION_USER }
ALTER ROUTINE name [ ( [ argmode ] [ argname ] argtype [ ... ] ) ]
    SET SCHEMA new_schema
ALTER ROUTINE name [ ( [ argmode ] [ argname ] argtype [ ... ] ) ]
    [ NO ] DEPENDS ON EXTENSION extension_name
```

where *action* is one of:

```
IMMUTABLE | STABLE | VOLATILE
[ NOT ] LEAKPROOF
[ EXTERNAL ] SECURITY INVOKER | [ EXTERNAL ] SECURITY DEFINER
PARALLEL { UNSAFE | RESTRICTED | SAFE }
COST execution_cost
ROWS result_rows
SET configuration_parameter { TO | = } { value | DEFAULT }
SET configuration_parameter FROM CURRENT
RESET configuration_parameter
RESET ALL
```

DESCRIPTION

ALTER ROUTINE changes the definition of a routine, which can be an aggregate function, a normal function, or a procedure. See under ALTER AGGREGATE (**ALTER_AGGREGATE(7)**), ALTER FUNCTION (**ALTER_FUNCTION(7)**), and ALTER PROCEDURE (**ALTER_PROCEDURE(7)**) for the description of the parameters, more examples, and further details.

EXAMPLES

To rename the routine foo for type integer to foobar:

```
ALTER ROUTINE foo(integer) RENAME TO foobar;
```

This command will work independent of whether foo is an aggregate, function, or procedure.

COMPATIBILITY

This statement is partially compatible with the **ALTER ROUTINE** statement in the SQL standard. See under ALTER FUNCTION (**ALTER_FUNCTION(7)**) and ALTER PROCEDURE (**ALTER_PROCEDURE(7)**) for more details. Allowing routine names to refer to aggregate functions is a PostgreSQL extension.

SEE ALSO

ALTER AGGREGATE (**ALTER_AGGREGATE(7)**), ALTER FUNCTION (**ALTER_FUNCTION(7)**), ALTER PROCEDURE (**ALTER_PROCEDURE(7)**), DROP ROUTINE (**DROP_ROUTINE(7)**)

Note that there is no CREATE ROUTINE command.