1. Instruct the optimizer to use the pending statistics in this session.

Set the initialization parameter OPTIMIZER\_USE\_PENDING\_STATISTICS to true as shown:

CopyALTER SESSION SET OPTIMIZER\_USE\_PENDING\_STATISTICS = true;

1. Run a workload.

The following example changes the email addresses of all customers named Bruce Chalmers:

CopyUPDATE sh.customers

SET cust\_email='ChalmersB@company.example.icom'

WHERE cust\_first\_name = 'Bruce'

AND cust\_last\_name = 'Chalmers';

COMMIT;

The optimizer uses the pending statistics instead of the published statistics when compiling all SQL statements in this session.

1. Publish the pending statistics for sh.customers.

For example, execute the following program:

CopyBEGIN

DBMS\_STATS.PUBLISH\_PENDING\_STATS('SH','CUSTOMERS');

END;

/

1. Change the publishing preferences for the sh.sales table.

For example, execute the following program:

CopyBEGIN

DBMS\_STATS.SET\_TABLE\_PREFS('sh', 'sales', 'publish', 'false');

END;

/

Subsequently, when you gather statistics on the sh.sales table, the database does not automatically publish statistics when the gather job completes. Instead, the database stores the statistics in the USER\_TAB\_PENDING\_STATS table.

1. Gather statistics for sh.sales.

For example, run the following program:

CopyBEGIN

DBMS\_STATS.GATHER\_TABLE\_STATS('sh','sales');

END;

/

1. Delete the pending statistics for sh.sales.

Assume you change your mind and now want to delete pending statistics for sh.sales. Run the following program:

CopyBEGIN

DBMS\_STATS.DELETE\_PENDING\_STATS('sh','sales');

END;

/

1. Change the publishing preferences for the sh.customers and sh.sales tables back to their default setting.

For example, execute the following program:

CopyBEGIN

DBMS\_STATS.SET\_TABLE\_PREFS('sh', 'customers', 'publish', null);

DBMS\_STATS.SET\_TABLE\_PREFS('sh', 'sales', 'publish', null);

END;