

Open an Explain Plan for a Statement or Case

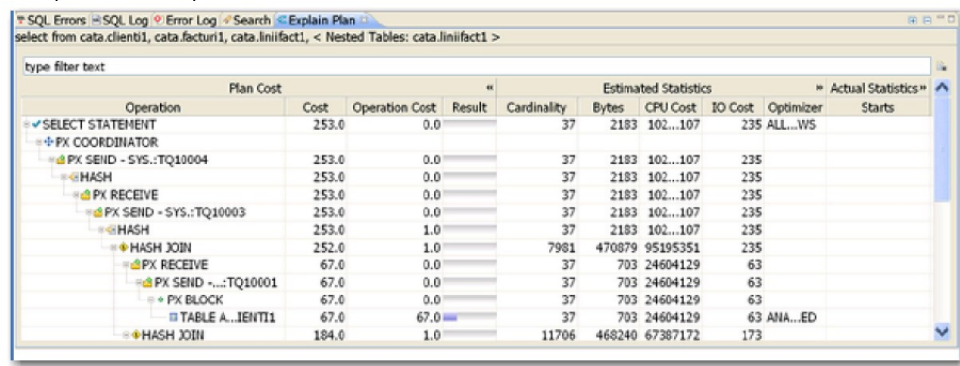
Any valid SQL statement added to the **Overview** tab shows a calculated explain plan cost in the **Cost** field of the statement or case record. You can open an explain plan on these statements to view the sequence of operations used to execute the statement and the costs and other explain plan details for each operation.

On Oracle version 9 and higher, SQL Query Tuner attempts to get the Explain Plan from V\$SQL_PLAN when possible. Otherwise, the Explain Plan is generated by the Oracle EXPLAIN PLAN command.

To initially open an explain plan on a valid SQL statement on the Overview tab

1. Right-click in the **Name** field of any statement record showing a value in the **Cost** field.
2. Select **Explain Plan** from the context menu.

An Explain Plan tab opens below the **Overview** tab.



The screenshot shows the 'Explain Plan' tab in the SQL Query Tuner. It displays a tree structure of database operations. The top-level operation is 'SELECT STATEMENT' with a cost of 253.0. Below it are several 'PX SEND' and 'HASH' operations, which are part of a 'HASH JOIN' operation. The 'HASH JOIN' operation has a cost of 252.0 and a cardinality of 7981. The 'TABLE ACCESS' operation at the bottom has a cost of 67.0 and a cardinality of 37. The table below summarizes the data shown in the screenshot.

Operation	Cost	Operation Cost	Result	Cardinality	Bytes	CPU Cost	IO Cost	Optimizer	Starts
SELECT STATEMENT	253.0	0.0		37	2183	102...107	235	ALL...WS	
PX COORDINATOR	253.0	0.0		37	2183	102...107	235		
PX SEND - SYS.:TQ10004	253.0	0.0		37	2183	102...107	235		
HASH	253.0	0.0		37	2183	102...107	235		
PX RECEIVE	253.0	0.0		37	2183	102...107	235		
PX SEND - SYS.:TQ10003	253.0	0.0		37	2183	102...107	235		
HASH	253.0	1.0		37	2183	102...107	235		
HASH JOIN	252.0	1.0		7981	470879	95195351	235		
PX RECEIVE	67.0	0.0		37	703	24604129	63		
PX SEND - SYS.:TQ10001	67.0	0.0		37	703	24604129	63		
PX BLOCK	67.0	0.0		37	703	24604129	63		
TABLE ACCESS (LOCAL)	67.0	67.0		37	703	24604129	63	ANA...ED	
HASH JOIN	184.0	1.0		11706	468240	67387172	173		

Explain plan operations are shown in a typical tree structure showing parent-child relationships. The following table describes the column groups shown for each operation on the **Explain Plan** tab.

With the **Explain Plan** tab open, you can quickly switch the view to an explain plan for another SQL statement.

To change to another SQL statement

- Click in the **Name** field of another statement record showing a value in the **Cost** field.