Developer Console for Admins





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KnowledgeNet.ai











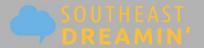


What is the Developer Console?



Query Editor

- View data and fields that aren't on a layout
- Modify records
- Insert records
- Go directly to view / edit pages
- Workbench is off platform



Quick SOQL Primer

SELECT field1__c, field2__c

FROM ObjectName

WHERE <criteria>

ORDER BY <criteria>

LIMIT 100



Useful SOQL Functions

- COUNT
- MIN \ MAX
- AVG
- SUM

- THIS_YEAR
- THIS_MONTH
- LAST_N_MONTHS:n
- DAY_IN_YEAR
- CALENDAR_YEAR



When reports are written poorly and run poorly people tend to think that the system is "just slow."



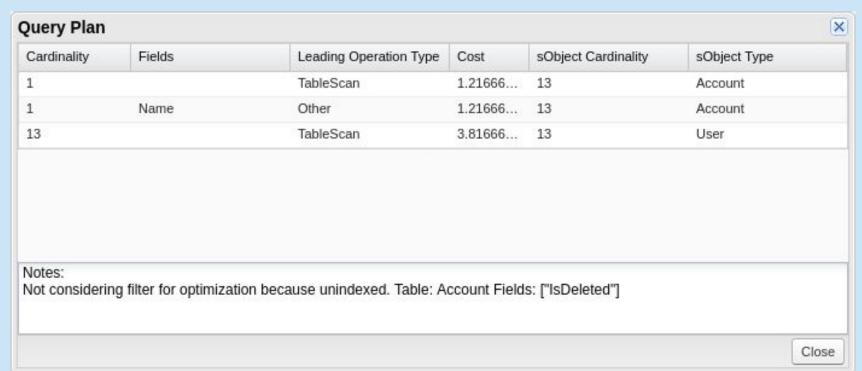
How to Read the Query Plan

- Cost Higher the number the more time it takes
- Leading Operation Type Index is fastest, TableScan is the slowest





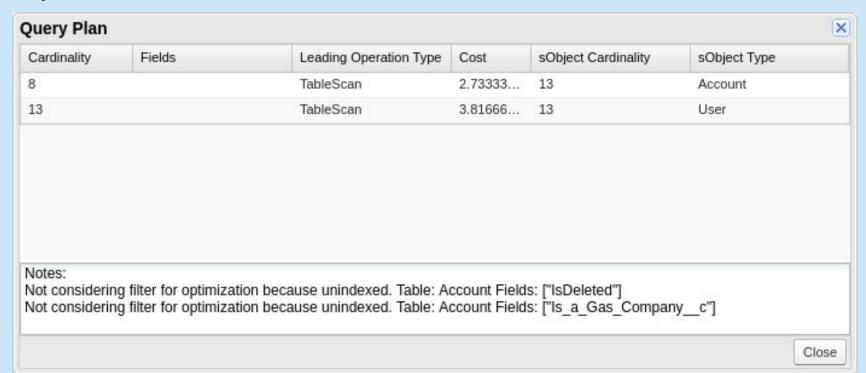






Query Plan × Leading Operation Type Cardinality Fields Cost sObject Cardinality sObject Type 1.21666... TableScan 13 Account 13 TableScan 3.81666... 13 User 12 Ownerld Index 13 Account Notes: Not considering filter for optimization because unindexed. Table: Account Fields: ["IsDeleted"] Not considering filter for optimization because unindexed. Table: Account Fields: ["Industry"] Close







List View Performance

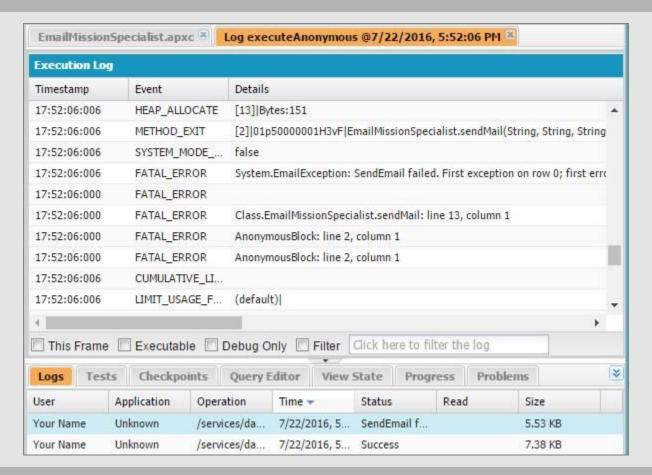
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Notes: Not considering filter for optimization because unindexed. Table: Account Fields: ["IsDeleted"]	13		TableScan	6.63333	13	User
Not considering filter for optimization because unindexed. Table: Account Fields: ["IsDeleted"]						



Logging

- Useful for debugging issues
- Data can be saved and sent to integrators







Testing

- View test coverage percentage
- Run test suites



Logs	Tests	Checkpoints	Query Editor	View State	Progress	Problems							*
Status	Test Run			Enqueued Time Duration		Failures	Total	al Overall Code Coverage			192	>>	
×	□ 🕣 707	R000000056dH		Tue Dec 15 2015 23:28:28 GMT		1T	0	2	*	Class	Percent	Lines	
×		AwesomeClassTest					1	4		Account_After_Insert_Trg	100%	2/2	
×	-6	🔄 testAFailingTest	500 500			0:00				AwesomeClass	100%	3/3	
*	= testMyAwesomeMethod					0:00				ComplexBatch	0%	0/9	
*		testMyAwesome	eMethodIfFalse			0:00				SimpleQueueable	0%	0/8	
*		testMyAwesome	eMethodIfTrue			0:00				TestUtil	0%	0/25	
*	H 🔲 :	5ampleClassTest					0	2	7	Util	0%	0/4	_



More Reading

Available at https://connelly.dev/presentations

- SOQL Reference
- SOQL Trailhead
- Query Plan FAQ
- Improving Report Performance
- Logs Tab
- Generate and Analyze Logs
- Tests Tab
- Checking Code Coverage

- Aggregate Functions
- Date Functions
- Date Literals

