

Objective : define slower calls in HCL Designer.

Tests are really simple :

- Just get Notesdatabase.NotesDominoQuery and resulting NotesDocumentCollection.count in the current database
- SearchFormula is : @All

Methods :

3 LotusScript agents with profiling options set and that use notesdocumentcollection.count. No Design catalog set

- Agent 10 : target is set to « None »
- Agent 11 : target is set to « All documents »
- Agent 12 : target is set to « New and Modified documents »

Runs

3 first runs are done from the Notes client (14.5) on Windows

3 next runs are done from the Domino server « tell amgr run... » on Linux

Before each run the agents are modified.

Before the six following runs, load updall <dbfullpath> -e is ran to create a Design catalog to see if there is an impact or not on agents runs.

Of course winner is server agent runs and target « All doculemnts », but it can be helpful to chosse a good option when creating the agent.

Test database is only 44 MB and contains only 40429. The database is static (no documents updates)

Size	
Disk space: 44 MB	% used
Documents: 40429	Compact

Settings:

[Archive Settings...](#)[Encryption Settings...](#)

Notes Client – Run Agent 10. Target is set to NONE

010 - DQL No Design Catalog TARGET NONE Profile

29/10/2025 11:55:30 CET

Elapsed time: 63 msec

Methods profiled: 6

Total measured time: 31 msec

Class	Method	Operation	Calls	Time
DominoQuery	Execute		1	31
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0
Database	CreateDominoQuery		1	0

Notes Client – Run Agent 11 : Target is set to ALL DOCUMENTS

011 - DQL No Design Catalog target ALL DOCUMENTS Profile

29/10/2025 11:55:39 CET
Elapsed time: 31 msec
Methods profiled: 6
Total measured time: 31 msec

Class	Method	Operation	Calls	Time
DominoQuery	Execute		1	31
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0
Database	CreateDominoQuery		1	0

Notes Client – Run Agent 12 : Target is set to NEW & MODIFIED DOCUMENTS

012 - DQL No Design Catalog target NEW & MODIFIED Profile

29/10/2025 11:55:45 CET

Elapsed time: 32 msec

Methods profiled: 6

Total measured time: 32 msec

Class	Method	Operation	Calls	Time
DominoQuery	Execute		1	32
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0
Database	CreateDominoQuery		1	0

Server Agent 10 run

010 - DQL No Design Catalog TARGET NONE Profile

29/10/2025 17:56:57 CET
Elapsed time: 15 msec
Methods profiled: 6
Total measured time: 12 msec

Class	Method	Operation	Calls	Time
DominoQuery	Execute		1	12
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0
Database	CreateDominoQuery		1	0

Server Agent 11 run

011 - DQL No Design Catalog target ALL DOCUMENTS Profile

29/10/2025 17:57:12 CET

Elapsed time: 13 msec

Methods profiled: 6

Total measured time: 12 msec

Class	Method	Operation	Calls	Time
DominoQuery	Execute		1	12
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0
Database	CreateDominoQuery		1	0

With Design catalog (load updall <db> -e)

Notes-Client Agent 13 run

013 - DQL With Design Catalog TARGET NONE Profile

29/10/2025 18:02:24 CET

Elapsed time: 31 msec

Methods profiled: 6

Total measured time: 31 msec

Class	Method	Operation	Calls	Time
DominoQuery	Execute		1	31
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0
Database	CreateDominoQuery		1	0

014 - DQL With Design Catalog target ALL DOCUMENTS Profile

29/10/2025 18:02:31 CET
Elapsed time: 62 msec
Methods profiled: 6
Total measured time: 32 msec

Class	Method	Operation	Calls	Time
DominoQuery	Execute		1	32
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0
Database	CreateDominoQuery		1	0

015 - DQL With Design Catalog target NEW & MODIFIED Profile

29/10/2025 18:02:37 CET
Elapsed time: 47 msec
Methods profiled: 6
Total measured time: 47 msec

Class	Method	Operation	Calls	Time
DominoQuery	Execute		1	47
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0
Database	CreateDominoQuery		1	0

Server Agent 13 run

013 - DQL With Design Catalog TARGET NONE Profile

30/10/2025 12:09:11 CET

Elapsed time: 16 msec

Methods profiled: 6

Total measured time: 13 msec

Class	Method	Operation	Calls	Time
DominoQuery	Execute		1	13
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0
Database	CreateDominoQuery		1	0

Server Agent 14 run

014 - DQL With Design Catalog target ALL DOCUMENTS Profile

30/10/2025 12:09:24 CET
Elapsed time: 13 msec
Methods profiled: 6
Total measured time: 12 msec

Class	Method	Operation	Calls	Time
DominoQuery	Execute		1	12
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0
Database	CreateDominoQuery		1	0

Server Agent 15 run

015 - DQL With Design Catalog target NEW & MODIFIED Profile

30/10/2025 12:09:34 CET
Elapsed time: 12 msec
Methods profiled: 6
Total measured time: 12 msec

Class	Method	Operation	Calls	Time
DominoQuery	Execute		1	12
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0
Database	CreateDominoQuery		1	0