Objective : define slower calls in HCL Designer.

Tests are really simple :

- Just get Notesdatabase.FTSearch and resulting NotesDocumentCollection.count in the current database
- SearchFormula is : @isavailable(Form), with nothing and 0 to retrieve the documents.

Methods :

3 LotuScript agents with profiling options set and that use notesdocumentcollection.count. All databases are indexed before running the agents (no updateFT index is called within the code).

Maximum of 5000 documents are returned, We do not use FTSearchRange.

As of 14.5 $* fields are not indexed in the database properties.

- Agent 7 : target is set to « None »
- Agent 8 : target is set to « All documents »
- Agent 9 : target is set to « New and Modfied documents »

Runs

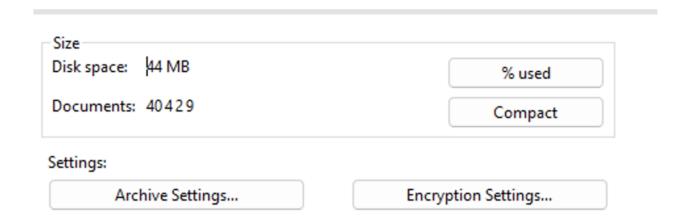3 first runs are done from the Notes client (14.5) on Windows

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

Before each run the agents are modified.

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.

Next runs will be based on ftsearch and of course Domino Query Language (DQL), with the same database.

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

Size

Disk space: 44 MB

Documents: 40429

% used

Compact

Settings:

Archive Settings...

Encryption Settings...

Notes Client – Run Agent 7. Target is set to NONE

Agent7 - FTSearch target NONE Profile

27/10/2025 20:03:23 CET
Elapsed time: 93 msec
Methods profiled: 5
Total measured time: 93 msec

Class	Method	Operation	Calls	Time
Database	FTSearch		1	93
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0

Notes Client – Run Agent 8 : Target is set to ALL DOCUMENTS

Agent8 - FTSearch target ALL DOCUMENTS Profile

27/10/2025 20:03:35 CET
Elapsed time: 109 msec
Methods profiled: 5
Total measured time: 109 msec

Class	Method	Operation	Calls	Time
Database	FTSearch		1	109
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0

Notes Client – Run Agent 9 : Target is set to NEW & MODIFIED DOCUMENTS

Agent9 - FTSearch target NEW & MODIFIED DOCUMENTS Profile

27/10/2025 20:03:42 CET
Elapsed time: 94 msec
Methods profiled: 5
Total measured time: 94 msec

Class	Method	Operation	Calls	Time
Database	FTSearch		1	94
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0

Server Agent 7 run

Agent7 - FTSearch target NONE Profile

27/10/2025 20:12:26 CET
Elapsed time: 27 msec
Methods profiled: 5
Total measured time: 27 msec

Class	Method	Operation	Calls	Time
Database	FTSearch		1	27
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0

Server Agent 8 run

Agent8 - FTSearch target ALL DOCUMENTS Profile

27/10/2025 20:12:40 CET
Elapsed time: 27 msec
Methods profiled: 5
Total measured time: 26 msec

Class	Method	Operation	Calls	Time
Database	FTSearch		1	26
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0

Server Agent 9 run

Agent9 - FTSearch target NEW & MODIFIED DOCUMENTS Profile

27/10/2025 20:12:46 CET
Elapsed time: 27 msec
Methods profiled: 5
Total measured time: 26 msec

Class	Method	Operation	Calls	Time
Database	FTSearch		1	26
Agent	Name	Get	1	0
Session	CurrentDatabase	Get	1	0
Session	CurrentAgent	Get	1	0
DocumentCollection	Count	Get	1	0