

Objective : define slower calls in HCL Designer.

Tests are really simple :

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

Methods :

3 LotusScript agents with profiling options set and that use NotesDocumentCollection.count

- Agent 4 : target is set to « None »
- Agent 5 : target is set to « All documents »
- Agent 6 : 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.

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)

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|                   |                         |
|-------------------|-------------------------|
| Size              |                         |
| Disk space: 44 MB | <a href="#">% used</a>  |
| Documents: 40429  | <a href="#">Compact</a> |

Settings:

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

Notes Client – Run Agent 4. Target is set to NONE

**Agent4 - dbsearch all forms target NONE Profile**

27/10/2025 12:29:41 CET  
Elapsed time: 859 msec  
Methods profiled: 5  
Total measured time: 844 msec

| Class              | Method          | Operation | Calls | Time |
|--------------------|-----------------|-----------|-------|------|
| Database           | Search          |           | 1     | 844  |
| Agent              | Name            | Get       | 1     | 0    |
| Session            | CurrentDatabase | Get       | 1     | 0    |
| Session            | CurrentAgent    | Get       | 1     | 0    |
| DocumentCollection | Count           | Get       | 1     | 0    |

Notes Client – Run Agent 5 : Target is set to ALL DOCUMENTS

Agent5 - dbsearch all forms target ALL DOCUMENTS Profile

27/10/2025 12:29:48 CET  
Elapsed time: 859 msec  
Methods profiled: 5  
Total measured time: 859 msec

| Class              | Method          | Operation | Calls | Time |
|--------------------|-----------------|-----------|-------|------|
| Database           | Search          |           | 1     | 859  |
| Agent              | Name            | Get       | 1     | 0    |
| Session            | CurrentDatabase | Get       | 1     | 0    |
| Session            | CurrentAgent    | Get       | 1     | 0    |
| DocumentCollection | Count           | Get       | 1     | 0    |

Notes Client – Run Agent 6 : Target is set to NEW & MODIFIED DOCUMENTS

Agent6 - dbsearch all forms target NEW & MODIFIED Profile

27/10/2025 12:30:48 CET  
Elapsed time: 859 msec  
Methods profiled: 5  
Total measured time: 859 msec

| Class              | Method          | Operation | Calls | Time |
|--------------------|-----------------|-----------|-------|------|
| Database           | Search          |           | 1     | 859  |
| Agent              | Name            | Get       | 1     | 0    |
| Session            | CurrentDatabase | Get       | 1     | 0    |
| Session            | CurrentAgent    | Get       | 1     | 0    |
| DocumentCollection | Count           | Get       | 1     | 0    |

Server Agent 4 run

Agent4 - dbsearch all forms target NONE Profile

27/10/2025 12:33:58 CET  
Elapsed time: 213 msec  
Methods profiled: 5  
Total measured time: 213 msec

| Class              | Method          | Operation | Calls | Time |
|--------------------|-----------------|-----------|-------|------|
| Database           | Search          |           | 1     | 213  |
| Agent              | Name            | Get       | 1     | 0    |
| Session            | CurrentDatabase | Get       | 1     | 0    |
| Session            | CurrentAgent    | Get       | 1     | 0    |
| DocumentCollection | Count           | Get       | 1     | 0    |

Server Agent 5 run

Agent5 - dbsearch all forms target ALL DOCUMENTS Profile

27/10/2025 12:34:06 CET  
Elapsed time: 197 msec  
Methods profiled: 5  
Total measured time: 197 msec

| Class              | Method          | Operation | Calls | Time |
|--------------------|-----------------|-----------|-------|------|
| Database           | Search          |           | 1     | 197  |
| Agent              | Name            | Get       | 1     | 0    |
| Session            | CurrentDatabase | Get       | 1     | 0    |
| Session            | CurrentAgent    | Get       | 1     | 0    |
| DocumentCollection | Count           | Get       | 1     | 0    |

Server Agent 6 run

Agent6 - dbsearch all forms target NEW & MODIFIED Profile

27/10/2025 12:34:12 CET  
Elapsed time: 205 msec  
Methods profiled: 5  
Total measured time: 204 msec

| Class              | Method          | Operation | Calls | Time |
|--------------------|-----------------|-----------|-------|------|
| Database           | Search          |           | 1     | 204  |
| Agent              | Name            | Get       | 1     | 0    |
| Session            | CurrentDatabase | Get       | 1     | 0    |
| Session            | CurrentAgent    | Get       | 1     | 0    |
| DocumentCollection | Count           | Get       | 1     | 0    |