



Performance Benchmarks

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1. Environment

The Benchmark data in this document was measured using the following Hardware, Software and Mail File environments:

1.1. System Configuration

HARDWARE	
Processor	Intel (R) Core (TM) i5-4570 CPU @ 3.20GHz
RAM	8 GB
SOFTWARE	
Operating System	Windows 8.1 64Bit
Microsoft Outlook	2013 32Bit
.NET Framework	4.0

1.2. Mail File

MAIL FILE	
Mail Account	Microsoft Exchange Server (using Cached Exchange Mode)
Email Messages	10,000 email messages in a folder with 3,000 attachments

2. Performance Parameters

This document provides Performance Benchmark information for **FewClix (for Outlook)** based on the following key parameters:

- Folder size (No. of email messages in the Folder being searched)
- Search criteria (Sender, Subject, Email Content, etc.)
- Number of search results

3. Performance Results - INDEXING

a) Indexing - Duration

	Without Attachments	With Attachments
Email	0 min 48 secs	10 min 15 secs

b) Indexing – CPU Utilization% (Outlook)

Attachment Content	Before Indexing (%)			During Indexing (%)			Difference (%)		
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
NO	0	0.3	0.15	0	0.9	0.45	0	0.6	0.3
YES	0	0.3	0.15	0	3.3	1.65	0	3	1.5

c) Indexing – Memory Utilization (Outlook)

Attachment Content	Before Indexing (MB)			During Indexing (MB)			Difference (MB)		
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
NO	91	93	92	94	98	96	3	5	4
YES	91	93	92	95	109	102	4	16	10

Indexing – CPU and Memory Utilization (FC Indexing)

Attachment Content	CPU %			Memory (MB)		
	Min	Max	Avg	Min	Max	Avg
NO	5	28	6	20	44	32
YES	10	30	20	20	433	227

4. Performance Results - SEARCH

a) Email Search

Number of results	Date / Date Range	Sender / Subject	Message Content	Attachments
Up to 1,000 emails	Less than 1 second	Less than 1 second	Less than 2 seconds	Less than 2 seconds
Up to 5,000 emails	Less than 1 second	Less than 1 second	Less than 3 seconds	Less than 2 seconds

5. Performance Recommendation

To help improve performance while Searching / Filtering by Email Content and/or Attachments, we recommend that users first filter by Sender or Date.