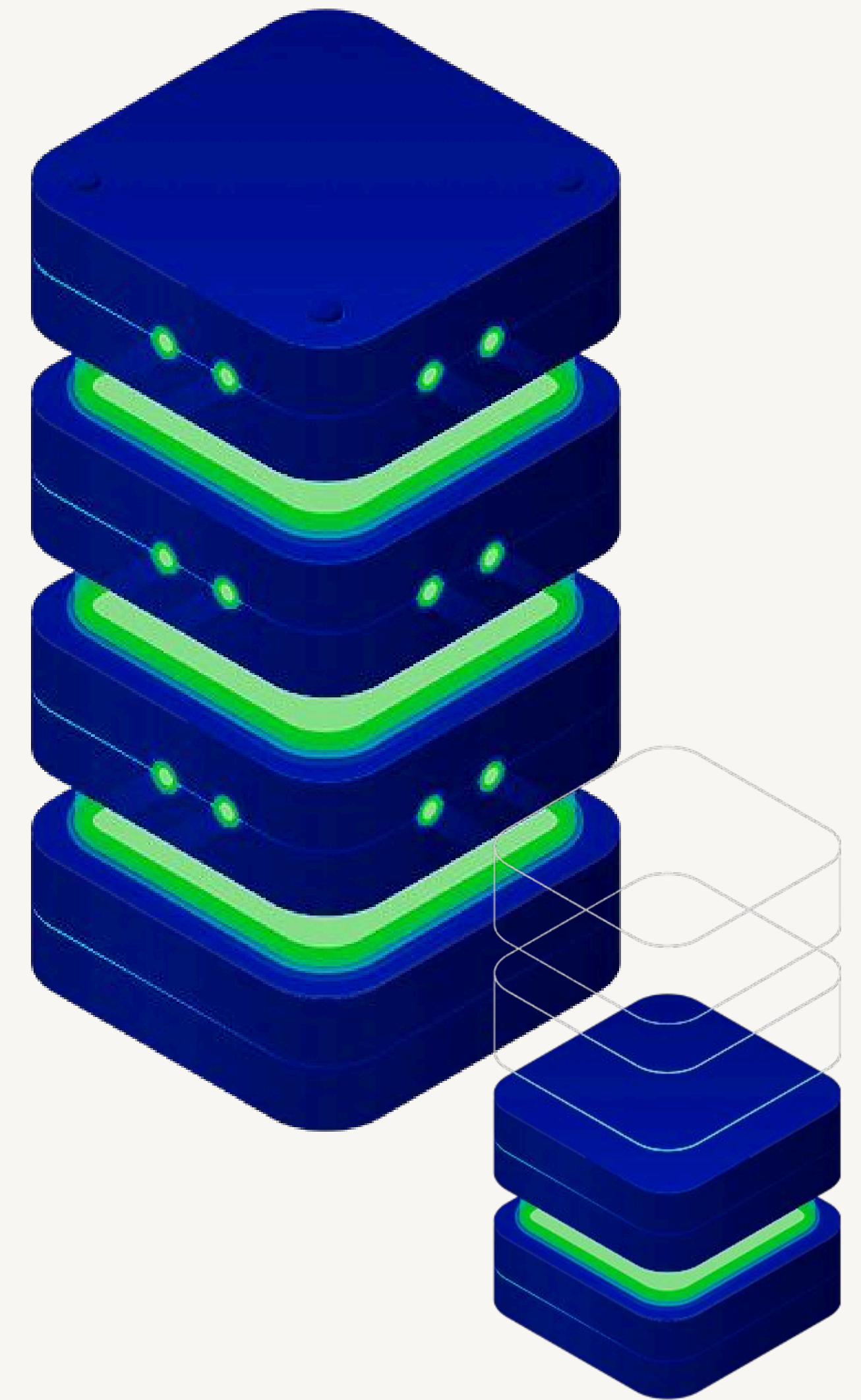# filo.

The world's most efficient
lossless compressed file system.

Multiply your storage, halve your cost

Data Growth Is Outpacing Energy and Infrastructure

AI, cloud computing, and data lakes are driving an unprecedented surge in global storage demand.

5x **data storage** required by 2032 from 0.5M to 2.5M Petabytes

Even the largest tech giants are turning to alternative power sources to meet their data needs.

FILO was founded to enable sustainable data growth, without the need for new data centers.

filo.

Meet Filo Spaces - smarter File System for a Data-Hungry world

Filo Spaces is a transparent distributed file system delivering **2× to 22×** lossless compression across existing infrastructures.

1

Doubles storage efficiency instantly within your current setup.

2

Reduces power usage, bandwidth, and egress costs.

3

Transparently manage compression, decompression, and caching.

4

Compatible with your object store - or FILO's native object store.

The result: future-ready capacity with **zero CapEx**, lower OpEx, and minimized business-continuity risk.

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Validated in Real Data Centers

#1

intel | Internal R&D data center

Current compression factor	x3
Improvement with Filo	**x3**
New compression factor	**x9**
Current data center size	50 Petabytes
Potential data center size	**6** Petabytes

Potential savings per year	**$4.5M**

#2

automation AUTHORITY | Security cameras & drones data center

Current compression factor	x2
Improvement with Filo	**x11**
New compression factor	**x22**
Current data center size	100 Petabytes
Potential data center size	**5** Petabytes

Potential savings per year	**$9.8M**

#3

Deloitte. | Google Play Store app updates

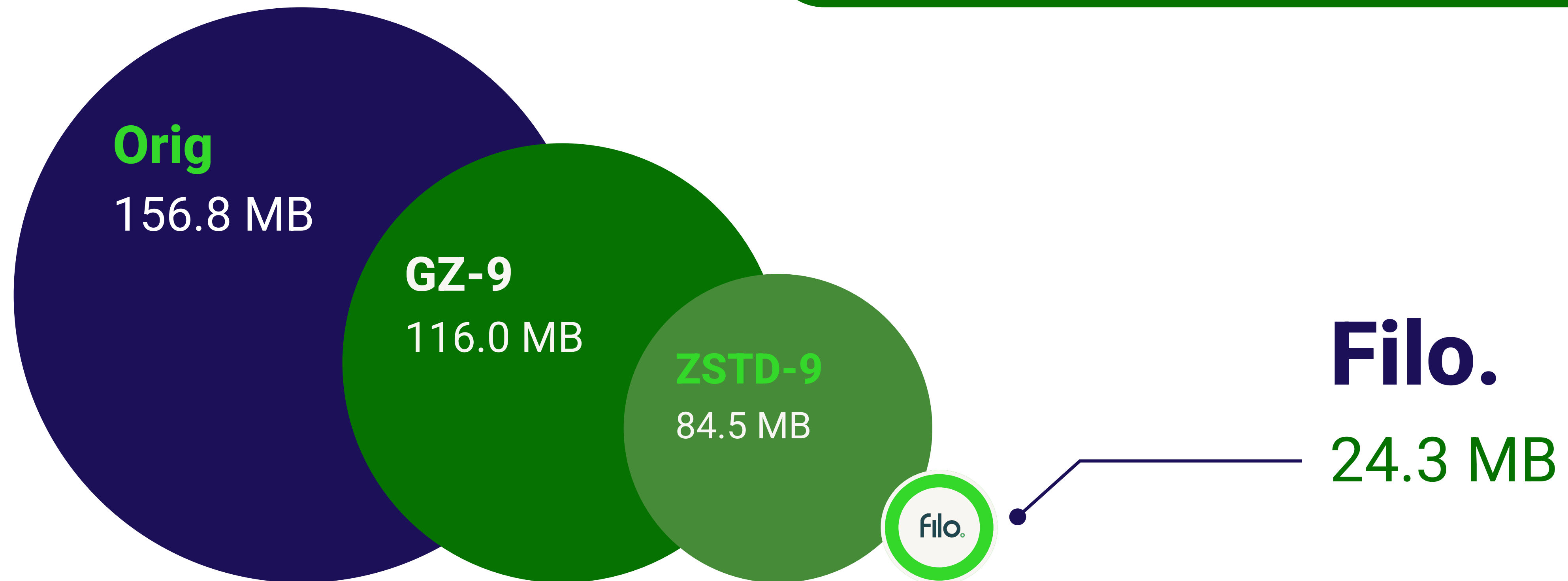|	
Current compression factor	x1
Improvement with Filo	**x3**
New compression factor	**x3**

Potential savings per year	**$6.4B**

All pilots were operated independently by partners — no FILO personnel onsite — achieving measurable gains in capacity, performance, and efficiency.

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1. Documents and Presentations Compression

Filo achieves exceptional document compression: here reducing 156 MB of Office documents to just 24 MB - representing 6× higher efficiency than traditional algorithms for triple the savings of any other compressor.
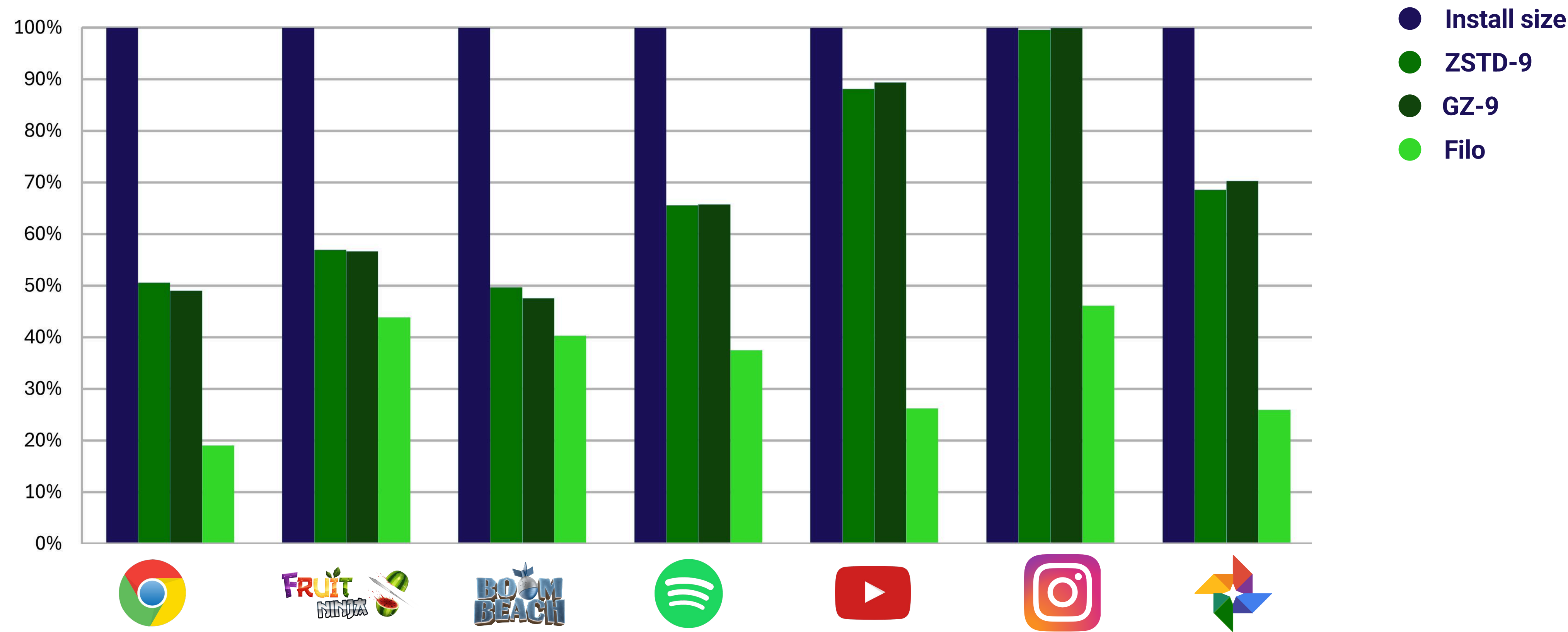
Orig
156.8 MB

GZ-9
116.0 MB

ZSTD-9
84.5 MB

Filo.
24.3 MB

Compressing multiple versions of Filo company decks: docs, pdf, pptx

filo.

2. Software Installation Compression

Across popular software packages, Filo consistently compresses 2–5× better than Zstandard or GZ, reducing installation size and end-user update time by up to 70%.
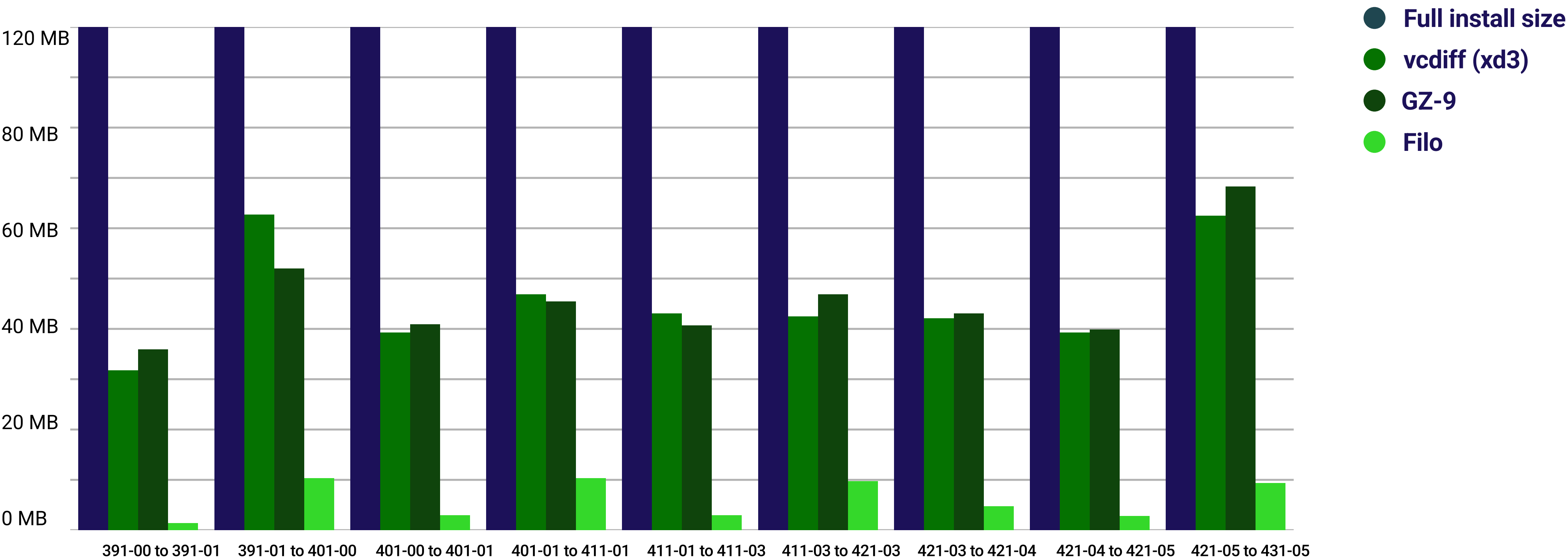
Software install

Legend:
- **Install size**
- **ZSTD-9**
- **GZ-9**
- **Filo**

3. Delta Compression – Software Updates

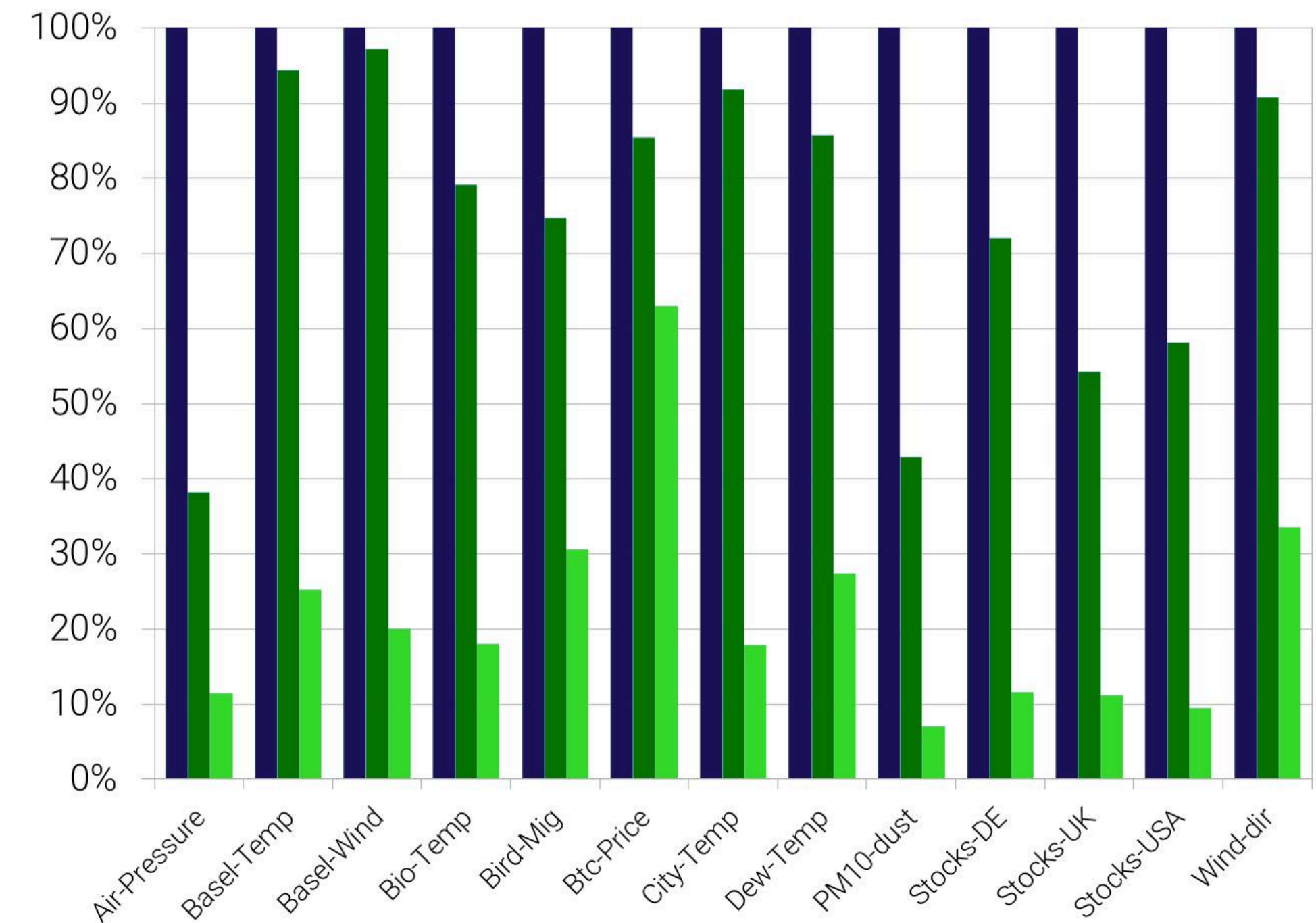With Filo, software and data updates are faster, cheaper, and lighter on bandwidth than ever before.

Software install

Legend:
- Full install size
- vcdiff (xd3)
- GZ-9
- Filo

Y-axis: 0 MB, 20 MB, 40 MB, 60 MB, 80 MB, 120 MB

X-axis categories: 391-00 to 391-01, 391-01 to 401-00, 401-00 to 401-01, 401-01 to 411-01, 411-01 to 411-03, 411-03 to 421-03, 421-03 to 421-04, 421-04 to 421-05, 421-05 to 431-05
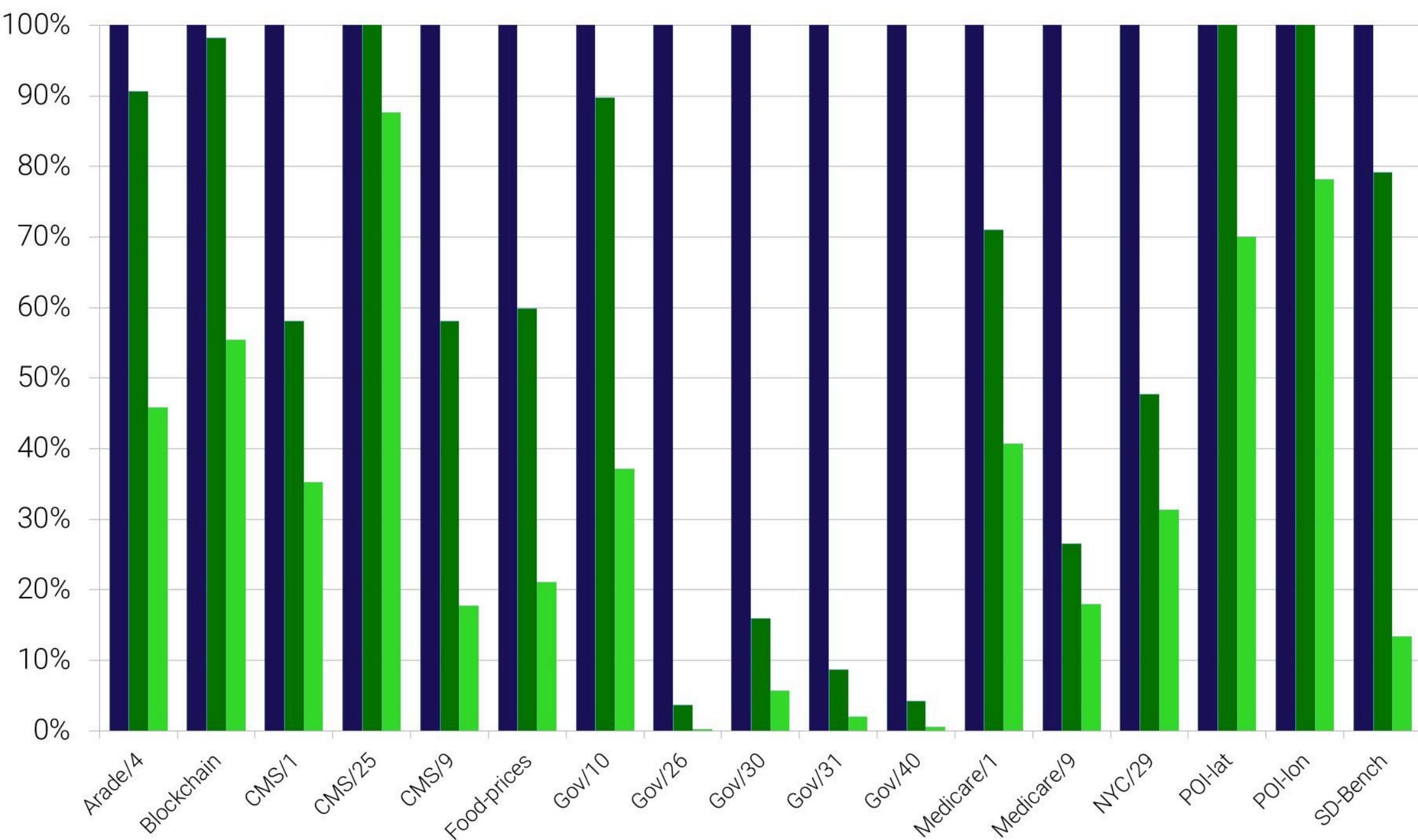
4. In-Lab Compression
(Filo Spaces 1 L5 and above – 2026 Q1)

In lab environments, Filo consistently outperforms leading industry benchmarks, raising the bar for high-volume, high-fidelity data compression
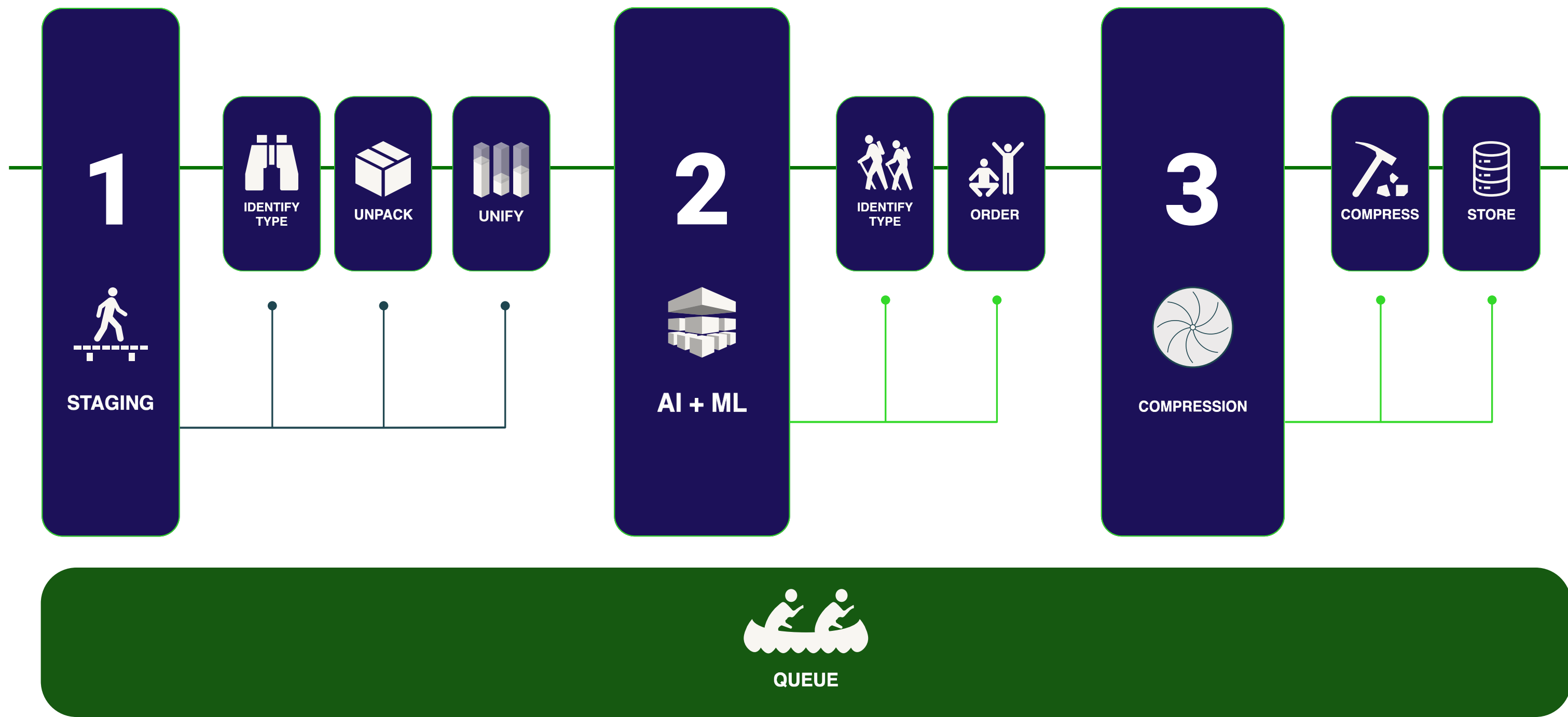
4.1 Any timeseries data

4.2 Any numeric data

Original

Facebook Gorilla

Inventing and leading the transition to information-compression

HOW

Sits on top of your object storage

All searches and data transfers in compressed state

Auto compression, decompression, caching of data

Automatic hot-warm storage tiering yields best performance or top compression

Filo's transparent distributed file system delivers top-tier performance with lossless compression.

Results

Optimized storage	Reduced bandwidth egress costs
Faster transfers	Improved user experience

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Ready to Expand Your Capacity —
Without Expanding Your Data Center?

Join the organizations already using FILO to multiply storage, cut energy consumption, and future-proof their infrastructure.

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