

Go on. Free your data.



At Exponam, **we know the value of data**. We know that is why you keep it secured in databases, accessed only through authorized reports and Business Intelligence tools. We also know the **wasted time and missed opportunities** that result when your users, partners, and clients **cannot access** detailed data.

We created **.BIG™ data files to enable easy sharing and exploring of data** – big and small. But **security** was **always our primary concern**. Our files are architected to be **the most impenetrable data** vehicles on the market.

Passwords: .BIG files may be password-protected. The password is protected with SHA256 and a randomly generated salt for each file. SHA256 is a National Security Agency (NSA) Type 3 encryption product endorsed by NIST and published as the FIPS 180-2 specification. To thwart brute-force attacks, the Exponam Explorer™ enforces a three password attempt limit, with exponential back-off between attempts. Not enough? We also support multi-factor authentication.

Data: Data in .BIG files is protected using AES-256. AES-256 is widely used for securing data and communications, is endorsed by the NSA in its Suite B cryptographic algorithms, and is published as the FIPS 197 specification.

File Provenance: Every .BIG file is preserved through a sequence of steps that leads to the generation of that file. Exponam stamps a publisher's identity into every publisher's encrypted license file. The publisher name is applied to each .BIG file generated, and is tamper-proof through the file generation process. When viewing a .BIG file, a user can be confident that the publisher is genuine, the file properties are accurate, and the data is unaltered.

Want to know more? Go on, ask us.