

GDBS_EULA_v1

END USER LICENSE AGREEMENT

Geometric Database System (GDBS) Platform

VaultSync Solutions Inc.

Effective Date: May 29, 2026

IMPORTANT: READ THIS END USER LICENSE AGREEMENT ("AGREEMENT") CAREFULLY BEFORE USING THE GDBS PLATFORM. BY CREATING AN ACCOUNT, ACCESSING, OR USING THE PLATFORM, YOU ("LICENSEE") AGREE TO BE BOUND BY THE TERMS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT USE THE PLATFORM.

1. DEFINITIONS

"Platform" means the Geometric Database System (GDBS) software, including all computational modules, the GeoNum precision system, associated APIs, documentation, and any updates or modifications provided by Licensor.

"Licensor" means VaultSync Solutions Inc., a Wyoming C-Corporation, with principal offices in Benton, Arkansas.

"Licensee" means the individual or entity that creates an account on the Platform and agrees to this Agreement.

"Seat" means a single named-user license granting one individual access to the Platform under the applicable Subscription Tier.

"Subscription Tier" means the level of access purchased by Licensee, as described in Section 3.

"Computed Results" means any numerical output, chart, dataset, report, trust classification, or other data generated by the Platform in response to Licensee input.

"Substrate" means the proprietary computational architecture underlying the Platform, including but not limited to GeoNum drift-tracked arithmetic, GMDBS toroidal mesh addressing, HVP indexing, Lucas tier encoding, and all associated algorithms and data structures.

"CORA" means the Conversational Ontological Referencing Architecture, the Licensor's geometric retrieval system accessible at cora.getvaultsync.com or through the Platform.

"Academic Licensee" means a Licensee holding a valid, verifiable academic email address from an accredited educational or research institution who has subscribed under a Student, Faculty/PI, or Academic Lab tier.

2. LICENSE GRANT

2.1 General Grant

Subject to the terms of this Agreement and payment of applicable fees, Licensor grants Licensee a non-exclusive, non-transferable, non-sublicensable, revocable license to access and use the Platform during the Subscription Term for the purposes permitted by the applicable Subscription Tier.

2.2 Scope of Use

The license granted herein permits Licensee to:

- Access the Platform via web browser for computational and research purposes consistent with the Subscription Tier.
- Input parameters, execute computations, and retrieve Computed Results.
- Download result bundles (JSON) for Licensee's internal use, publication (subject to citation requirements in Section 7), and archival.
- Use Computed Results in Licensee's own research, analysis, reports, and publications, subject to the restrictions and citation requirements herein.

2.3 Restrictions

Licensee shall not:

- Reverse engineer, decompile, disassemble, or otherwise attempt to derive the source code, algorithms, or architecture of the Platform or Substrate, except to the extent expressly permitted by applicable law.
- Copy, modify, adapt, translate, or create derivative works of the Platform.
- Sublicense, lease, rent, loan, distribute, or otherwise transfer access to the Platform or any Seat to any third party.
- Share login credentials or allow multiple individuals to access the Platform through a single Seat.
- Use the Platform to build a competing product or service, or to benchmark the Platform for the purpose of developing a competing product.

- Remove, obscure, or alter any proprietary notices, labels, or marks on the Platform.
- Use the Platform in any manner that violates applicable law or regulation.
- Represent Computed Results as produced by any system other than GDBS, or strip provenance/trust metadata from Computed Results when publishing or distributing them.
- Use automated scripts, bots, or other non-human means to access the Platform except through documented APIs provided for that purpose.

3. SUBSCRIPTION TIERS AND FEES

3.1 Tier Definitions

The Platform is offered under the following Subscription Tiers. Each higher tier includes all features of the tiers below it unless otherwise noted. Licensor reserves the right to modify tier features, pricing, and availability at any time with thirty (30) days' notice to active subscribers.

(a) Free Tier. Provides access to the GDBS database, theoretical foundations, and a three (3) day trial of all modules. After the trial period, access is limited to Free Tier features permanently. No payment required.

(b) Student (Academic). \$99 per year. Requires a valid academic email address. Provides access to all physics modules, HPC Lab, DFT Engine, GeoNum precision system. Individual account only. Non-transferable. Subject to academic citation requirements (Section 7).

(c) Faculty/PI (Academic). \$249 per year. Requires a valid academic email address. Provides all Student features plus multi-physics coupling. Individual account only. Non-transferable. Subject to academic citation requirements (Section 7).

(d) Academic Lab. \$3,500 per year. Requires a valid academic email address. Provides full platform access including all physics domains, HPC Lab, DFT Engine, multi-physics coupling, batch sweeps, and GeoNum drift tracking. May be assigned to a research group under a single principal investigator. Subject to academic citation requirements (Section 7).

(e) Standard. \$25,000 per year per Seat. Annual license providing full platform access including all domains, HPC Lab, batch parameter sweeps, multi-physics coupling, and priority support.

(f) Plus. \$35,000 per year per Seat. All Standard features plus advanced features, multi-physics batch sweeps, GeoNum drift tracking, and Adv-tier API access.

(g) Pro. \$50,000 per year per Seat. All Plus features plus dedicated support, custom integrations, and SLA guarantee.

(h) Enterprise. \$75,000 per year per Seat. All Pro features plus commercial license, custom SLA and deployment options, priority feature requests, BSSN + Z4c addon, LIGO + NRSur addon, and eligibility to purchase source code access under a separate enterprise source code agreement. Source code access requires a signed NDA and commercial agreement prior to purchase and includes warranty terms, escrow option, and on-site deployment support.

3.2 Payment

All fees are due annually in advance and are processed securely via Stripe or such other payment processor as Licensor may designate. License activation is automatic upon payment confirmation. All fees are quoted in United States Dollars (USD).

3.3 Refund Policy

Due to the nature of digital software and immediate access upon purchase, all sales are final. No refunds will be issued except as required by applicable law or at Licensor's sole discretion.

3.4 Price Changes

Licensor reserves the right to modify pricing for any Subscription Tier. Price changes will take effect at the beginning of Licensee's next renewal period. Licensor will provide at least thirty (30) days' notice of any price increase to active subscribers.

3.5 Government and Institutional Procurement

Licensor is registered in the System for Award Management (SAM.gov). Government and institutional purchasers may procure licenses through standard procurement channels, including purchase orders, CRADAs, and other cooperative agreements. Contact sales@getvaultsync.com for government pricing and procurement documentation.

4. FREE TRIAL

All new accounts receive a three (3) day trial with full access to all Platform modules. No credit card is required for the trial. During the trial period, Licensee is bound by all terms of this Agreement. At the expiration of the trial period, Licensee must select a Subscription Tier to continue using the Platform beyond Free Tier features. Licensor may, at its sole discretion, extend trial periods for prospective institutional or government purchasers engaged in active procurement evaluation.

5. INTELLECTUAL PROPERTY

5.1 Ownership

The Platform, the Substrate, all associated algorithms, source code, documentation, trade secrets, trademarks, and intellectual property are and shall remain the sole and exclusive property of Licensor. This Agreement does not convey any ownership interest in the Platform or Substrate to Licensee. The

Substrate is protected by U.S. Provisional Patent Application No. 63/970,430 and such other patent applications as may be filed.

5.2 Licensee Data and Results

Licensee retains ownership of all input data provided to the Platform and all Computed Results generated from Licensee's input. Licensor claims no ownership of Licensee's input data or Computed Results. However, Licensee's use and publication of Computed Results is subject to the citation requirements in Section 7 for Academic Licensees and the attribution guidelines in Section 7.3 for all Licensees.

5.3 Feedback

If Licensee provides suggestions, feature requests, bug reports, or other feedback regarding the Platform, Licensor may use such feedback without restriction or obligation to Licensee.

6. DATA HANDLING AND PRIVACY

Licensor collects and processes account information (name, email, institution) for license administration. Licensee's computational inputs are processed in-browser via WebAssembly and are not transmitted to or stored on Licensor's servers unless Licensee explicitly uses a server-side feature (e.g., CORA retrieval, API endpoints). Licensor does not sell, share, or monetize Licensee data. Licensor may collect anonymized, aggregated usage statistics (module usage frequency, error rates) to improve the Platform.

7. CITATION AND ATTRIBUTION REQUIREMENTS

7.1 Academic Licensees — Mandatory Citation

Academic Licensees (Student, Faculty/PI, Academic Lab tiers) are required to cite the GDBS Platform in all publications, conference proceedings, presentations, theses, dissertations, and preprints that include, reference, or are derived from Computed Results obtained using the Platform. **Failure to provide proper citation constitutes a material breach of this Agreement.**

Required citation format:

"Computed using the Geometric Database System (GDBS), VaultSync Solutions Inc., gdfs.getvaultsync.com. GeoNum precision system, patent pending (US Provisional 63/970,430)."

If a specific module or engine is used, the citation should additionally identify the module:

"BSSN/Z4c numerical relativity computed using GDBS [VaultSync Solutions Inc., gdfs.getvaultsync.com]."

"Plasma equilibrium computed using GDBS Grad-Shafranov module [VaultSync Solutions Inc., gdfs.getvaultsync.com]."

7.2 Academic Licensees — Additional Requirements

- If Computed Results include GeoNum trust classifications (Exact, Precise, Valid, Degraded, Unreliable), the trust level must be reported alongside the result in any publication. Stripping trust metadata from published results is prohibited.
- If the Platform is used for validation or benchmarking against other codes, the GDBS Platform version number (as displayed in the application) must be reported.
- Academic Licensees shall not represent GDBS as open-source, public-domain, or freely available software in any publication or presentation.
- Licensee shall provide Licensor with a copy of or link to any publication citing GDBS within thirty (30) days of publication, by email to publications@getvaultsync.com or such address as Licensor may designate.

7.3 Non-Academic Licensees — Attribution

Non-Academic Licensees (Standard, Plus, Pro, Enterprise) are not required to cite GDBS in publications but are encouraged to do so. Non-Academic Licensees shall not represent Computed Results as produced by any system other than GDBS in any public-facing document, publication, or regulatory submission. Internal use does not require attribution.

7.4 CORA Citation

If results obtained through the CORA geometric retrieval system are published or referenced in any public document, Licensee shall cite CORA separately:

"Retrieved using CORA (Coordinated Ontological Referencing Architecture), VaultSync Solutions Inc., cora.getvaultsync.com."

8. DISCLAIMER OF WARRANTIES

THE PLATFORM AND ALL COMPUTED RESULTS ARE PROVIDED "AS IS" AND "AS AVAILABLE" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, ACCURACY, COMPLETENESS, OR NON-INFRINGEMENT.

Licensor does not warrant that Computed Results are correct, complete, or suitable for any particular application. The GeoNum trust classification system provides an estimate of numerical precision and is not a guarantee of physical accuracy. Licensee is solely responsible for validating Computed Results against independent data, experimental measurements, or analytical solutions before relying on them for any purpose, including but not limited to engineering design, safety-critical applications, regulatory submissions, or publication.

LICENSOR EXPRESSLY DISCLAIMS ANY WARRANTY THAT THE PLATFORM WILL PRODUCE RESULTS SUITABLE FOR USE IN SAFETY-CRITICAL, LIFE-CRITICAL, OR MISSION-CRITICAL APPLICATIONS WITHOUT INDEPENDENT VERIFICATION BY QUALIFIED PROFESSIONALS.

9. LIMITATION OF LIABILITY

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL LICENSOR, ITS OFFICERS, DIRECTORS, EMPLOYEES, AGENTS, OR AFFILIATES BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF DATA, LOSS OF BUSINESS OPPORTUNITY, OR DAMAGE TO EQUIPMENT OR SYSTEMS, ARISING OUT OF OR RELATED TO THE USE OF OR INABILITY TO USE THE PLATFORM, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

LICENSOR'S TOTAL AGGREGATE LIABILITY UNDER THIS AGREEMENT SHALL NOT EXCEED THE AMOUNT PAID BY LICENSEE TO LICENSOR DURING THE TWELVE (12) MONTHS IMMEDIATELY PRECEDING THE EVENT GIVING RISE TO THE CLAIM.

10. INDEMNIFICATION

Licensee agrees to indemnify, defend, and hold harmless Licensor and its officers, directors, employees, and agents from and against any and all claims, damages, losses, liabilities, costs, and expenses (including reasonable attorneys' fees) arising out of or related to: (a) Licensee's use of the Platform; (b) Licensee's breach of this Agreement; (c) Licensee's violation of applicable law; or (d) Licensee's reliance on Computed Results without independent verification.

11. TERM AND TERMINATION

11.1 Term

This Agreement commences on the date Licensee first accesses the Platform (including the Free Trial) and continues for the duration of the applicable Subscription Term. Subscriptions renew automatically for successive one-year periods unless either party provides written notice of non-renewal at least thirty (30) days before the end of the current term.

11.2 Termination by Licensor

Licensor may terminate this Agreement and revoke Licensee's access immediately upon written notice if Licensee: (a) breaches any material term of this Agreement, including the citation requirements of Section 7; (b) fails to pay applicable fees when due; (c) uses the Platform in a manner that threatens the security, integrity, or availability of the Platform; or (d) engages in reverse engineering or competitive benchmarking prohibited by Section 2.3.

11.3 Termination by Licensee

Licensee may terminate this Agreement at any time by ceasing all use of the Platform and providing written notice to Licensor. No refund of prepaid fees will be issued upon termination by Licensee.

11.4 Effect of Termination

Upon termination, Licensee's access to the Platform will be revoked. Licensee may retain Computed Results generated prior to termination, subject to the citation and attribution requirements of Section 7 which survive termination. Sections 5, 7, 8, 9, 10, 13, and 14 survive termination of this Agreement.

12. EXPORT COMPLIANCE

Licensee acknowledges that the Platform may be subject to U.S. export control laws and regulations, including the Export Administration Regulations (EAR). Licensee agrees not to export, re-export, or transfer the Platform or any Computed Results to any country, entity, or person prohibited by applicable U.S. export control laws without first obtaining all required authorizations.

13. GOVERNING LAW AND DISPUTE RESOLUTION

This Agreement shall be governed by and construed in accordance with the laws of the State of Wyoming, United States, without regard to its conflict of laws provisions. Any dispute arising out of or relating to this Agreement shall be resolved exclusively in the state or federal courts located in the State of Arkansas, and each party consents to the personal jurisdiction of such courts.

Prior to initiating any legal proceeding, the parties agree to attempt to resolve disputes through good-faith negotiation for a period of not less than thirty (30) days. If negotiation fails, either party may pursue legal remedies in the courts specified above.

14. GENERAL PROVISIONS

14.1 Entire Agreement

This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior or contemporaneous agreements, understandings, and communications, whether written or oral. Enterprise source code agreements, NDAs, CRADAs, and other supplemental agreements are incorporated by reference when executed.

14.2 Amendment

Licensor may amend this Agreement at any time by posting the revised terms on the Platform. Licensee's continued use of the Platform after the effective date of any amendment constitutes acceptance of the amended terms. For material changes, Licensor will provide at least thirty (30) days' notice via email to the address associated with Licensee's account.

14.3 Severability

If any provision of this Agreement is held invalid or unenforceable, the remaining provisions shall remain in full force and effect.

14.4 Waiver

Failure by Licensor to enforce any provision of this Agreement shall not constitute a waiver of that provision or any other provision.

14.5 Assignment

Licensee may not assign or transfer this Agreement or any rights or obligations hereunder without the prior written consent of Licensor. Licensor may assign this Agreement in connection with a merger, acquisition, or sale of all or substantially all of its assets.

14.6 Force Majeure

Licensor shall not be liable for any failure or delay in performance due to causes beyond its reasonable control, including but not limited to acts of God, war, terrorism, pandemic, natural disaster, power failure, internet disruption, or government action.

14.7 Notices

All notices under this Agreement shall be in writing and sent to:

Licensor: VaultSync Solutions Inc., Benton, AR. Email: legal@getvaultsync.com

Licensee: The email address associated with Licensee's account.

14.8 Contact

For questions regarding this Agreement, contact:

Legal: legal@getvaultsync.com

Sales: sales@getvaultsync.com

Publications: publications@getvaultsync.com

General: joe.garrett@getvaultsync.com

BY CREATING AN ACCOUNT OR USING THE PLATFORM, LICENSEE ACKNOWLEDGES THAT LICENSEE HAS READ, UNDERSTOOD, AND AGREES TO BE BOUND BY THIS END USER LICENSE AGREEMENT.

VaultSync Solutions Inc.

Benton, Arkansas

gdfs.getvaultsync.com

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