

Datasheet

XOR Platform

Unlocking Value and Secure Data Collaboration
Through Privacy-Preserving Machine Learning and Analytics



 inpher

Inpher Secret Computing®

Industry's First Enterprise-Ready Privacy-Preserving
Computing Platform Built for Data Scientists

THE ERA OF PRIVACY PRESERVING ML IS HERE

Enterprises are tapping into the power of ML for faster innovation and a competitive edge. Yet, increasing data privacy concerns and regulatory barriers hold them back from moving into the new era of intelligence, where data accessibility is the key to developing high - quality ML models.

Problem: The Paradox of AI and Data Privacy

AI and advanced analytics require easy access to data, whether across teams, geographies, or even across organizations. Unfortunately, too many AI initiatives are stalled due to stringent data privacy laws, organizational policies, and confidentiality concerns. Hence data science efforts become time - consuming, costly, and sometimes even impossible.

1

Fragmented data silos lead to lost insights. Unifying data takes weeks to months, and is often error - prone, resulting in privacy leakage.

2

Compromising model accuracy for data privacy. Existing approaches inject noise or eliminate critical features. Tradeoffs are expensive, especially for mission - critical apps.

3

Fines are no longer just monetary. Beyond negative reputation and lost customer trust, newer stringent laws mandate companies to purge valuable models and algorithms that violate privacy rules.

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Gartner®

By 2025, half of large organizations will implement privacy-enhancing computation for processing data in untrusted environments and multiparty data analytics use cases. Organizations should start identifying candidates for privacy-enhancing computations by assessing data processing activities that require transfers of personal data, data monetization, fraud analytics and other use cases with highly sensitive data.

XOR Platform Overview

XOR is a multi-tenant SaaS Platform that enables organizations to run secure analytics and ML algorithms across sensitive data silos and extract insights without compromising confidentiality and data privacy. XOR's intuitive UI, Python library (XOR-py) and API integration deliver a role-based solution for data scientists, privacy engineers and technical leaders. The XOR Platform is available on AWS and GCP marketplace and integrates with organizations' existing ML infrastructure and workflows on-prem or in the cloud. The auditable cryptographic protocols mathematically guarantee data privacy, security and residency compliance.

EDPB recommends MPC for compliant data transfer under the GDPR



[... implementation of secure multiparty computation mechanisms and the spread of encrypted datasets among different trusted entities can prevent by design that any unilateral access leads to the disclosure of identifiable data ...]



Trusted By Global Innovators

CPP Investments



"Working with Inpher to leverage their technology to access non-public data sources aligns with our objective to enhance our informational edge and generate value for the CPP Fund over the long run. As some data sources become more mainstream, we seek to be a leader in finding and putting to work novel data that allow us to create differentiated insights"

Daniel Wroblewski,
Managing Director, Alpha Generation Lab,
CPP Investments

Features and Benefits



Overview

Authenticated User License

XOR Machines

(Privacy Zones)

Applications

Data

Platform Policy Manager

(Access, Functional & Privacy)

Support

Developer Portal

(Unlimited access to videos, docs, guides and tutorial notebooks)

Web-based Analyst UI

Python Notebook Integration

REST API Integration

Domain Specific Language*

Extensible Deployment

(Deploy Virtual Machines to external Privacy Zones)

Pricing



XOR Trial

Free Secret Computing environment for data scientists to learn and test scenarios with predefined datasets across representative example use cases

1

3 (Simulated Privacy Zones)

Inpher and Partner
Published Use Cases

Test/ Kaggle Data

Preconfigured

Developer Documentation,
Tutorials & Slack Community



**21-Days Free Trial
with no commitment**

XOR Platform



Production Secret Computing environment for organizations to use sensitive data across multiple privacy zones

Starts with 10

Starts with
3 (Inpher hosted) & 2 (Customer hosted)

Prototype and
Production Applications

Private Data

Configurable

Dedicated Technical, Analytics,
Policy & Cryptographic Support



Contact Sales

Get Started

www.inpher.io/trial



* Domain-Specific Language (DSL) allows organizations to tap advanced cryptographic features to build their own privacy-preserving algorithms, execution graphs, as well as extend to other PET techniques