



Maya Data
Privacy



Secure Data Anonymization and Migration to Confidential Cloud Environments

with Maya Data Privacy
and enclave.io



www.mayadataprivacy.com



INTRODUCTION

Organizations operating in the cloud are under increasing pressure to protect sensitive personal and enterprise data, meet regulatory mandates like GDPR, and streamline application development in secure and scalable environments. One of the key challenges is enabling secure, privacy-preserving testing and data migration workflows—especially for systems like SAP—without risking exposure of production data.

This solution brief outlines how the combination of **Maya Data Privacy's** anonymization engine and **enclave's** confidential computing platform empowers organizations to migrate, test, and operate in secure enclaved environments with anonymized, clean, and compliant data.



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THE CHALLENGE

Data Privacy and Migration Risks in the Cloud

Production Data Exposure:

Testing environments often rely on production data, which introduces privacy and compliance risks.

Regulatory Pressure: GDPR, HIPAA, and other frameworks require strong data minimization, anonymization, and secure processing strategies.

Legacy System Migration:

Moving sensitive systems like SAP to the cloud carries inherent security and data consistency concerns.

Slow, Risky Transitions:

Verifying system functionality post-migration often requires real data, risking breaches during testing.



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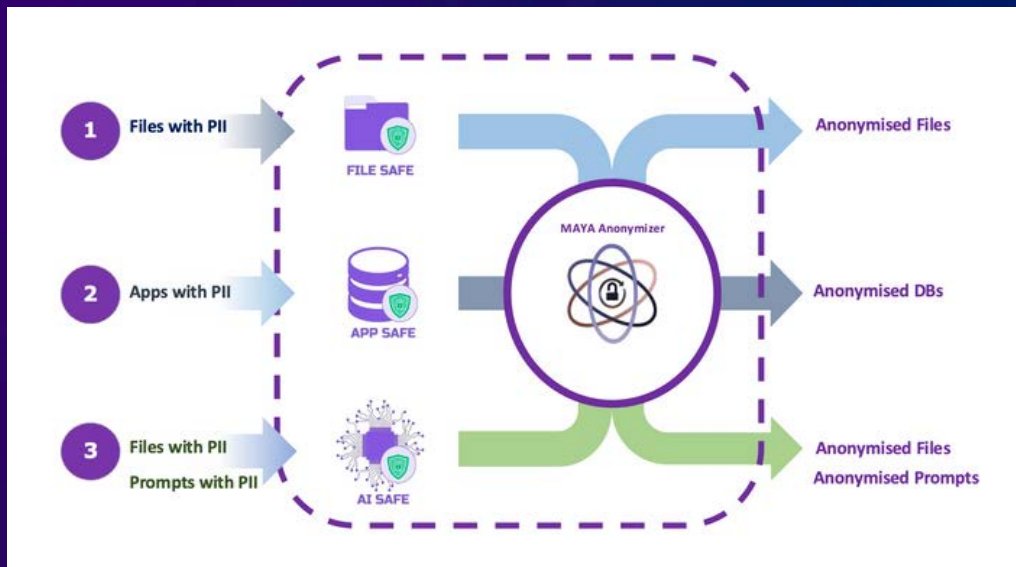


THE SOLUTION

Maya Data Privacy + enclave Confidential Computing

“AI for Data”

“Data for AI”



Secure Test System Generation

Organizations can create anonymized, functionally equivalent copies of production environments—including SAP systems—within secure enclaves. This ensures realistic testing with no exposure of personal or sensitive data.

Safe Cloud Migration Path

Clients can simulate their production environment inside an enclaved cloud infrastructure using anonymized data. Once verified, the full production system can be migrated with confidence and minimal downtime.



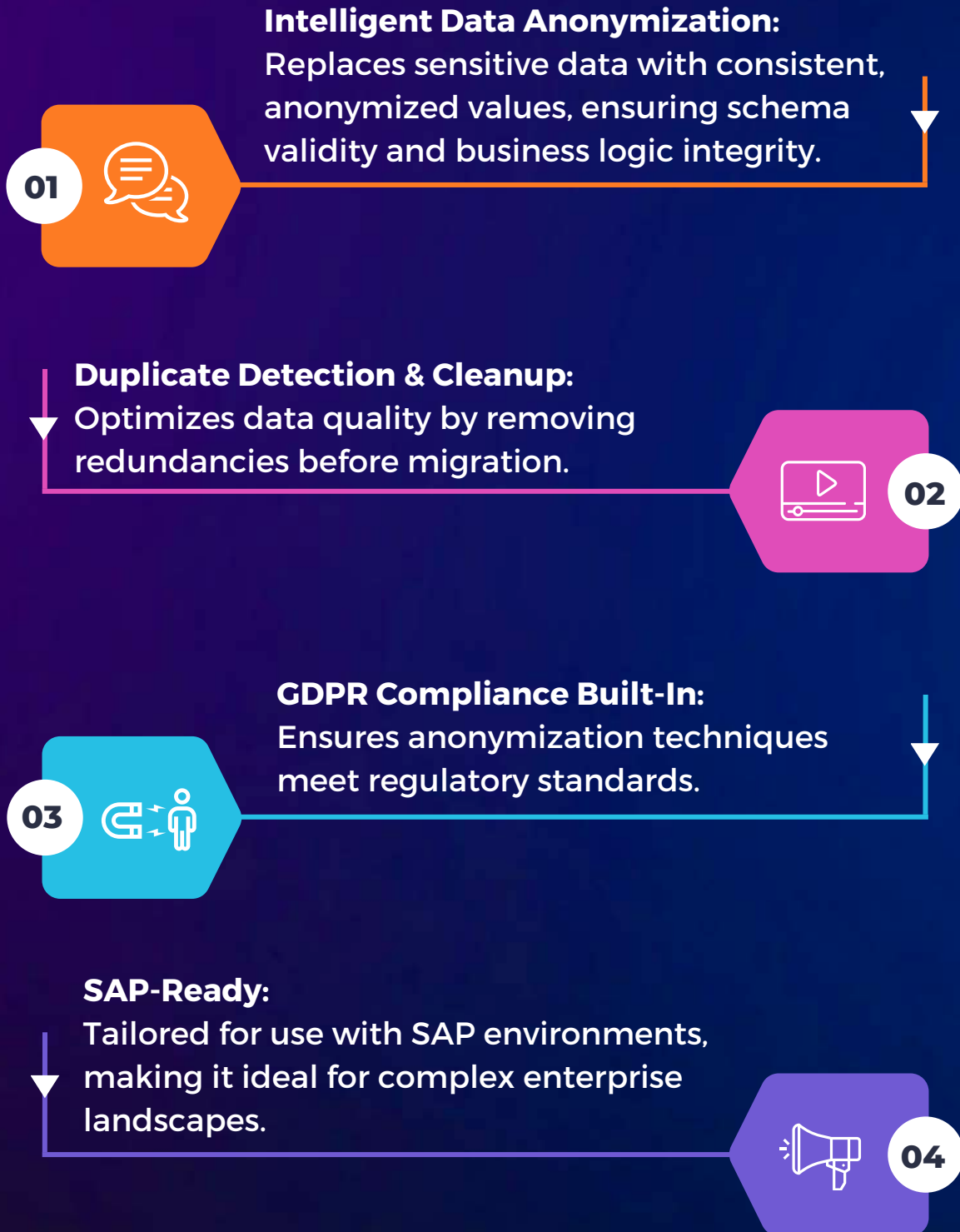
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MAYA DATA PRIVACY: KEY CAPABILITIES



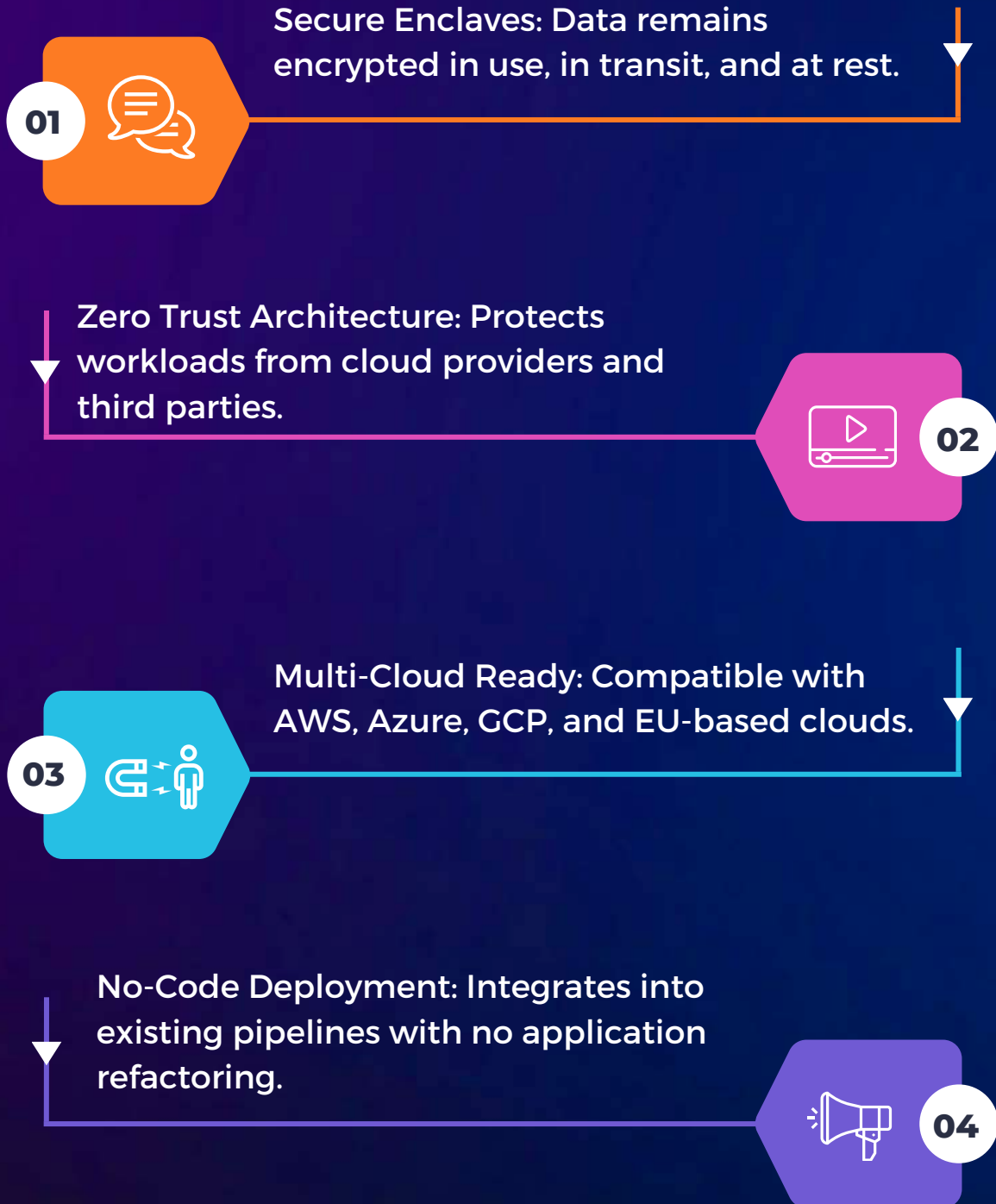
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ENCLAVE CONFIDENTIAL INFRASTRUCTURE: KEY CAPABILITIES



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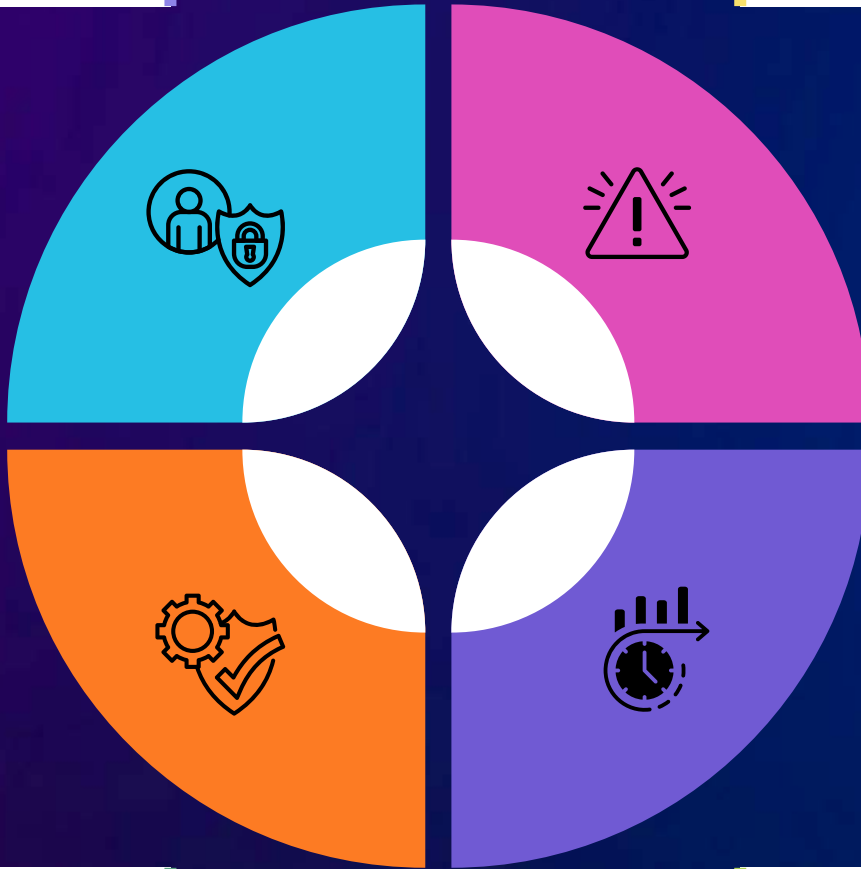
JOINT VALUE PROPOSITION

Anonymized data inside confidential enclaves—no weak links.

End-to-End Privacy

Test migrations, apps, or analytics with no real data exposure.

Risk-Free Testing



Compliance Assurance

GDPR, SOC 2, and other frameworks fully supported.

Future-Ready Architecture

Designed for hybrid and multi-cloud enterprise IT.



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KEY USE CASES



Privacy-Compliant Test System Generation

- Create anonymized copies of production systems (e.g., SAP)
- Enable safe, regulation-compliant testing and development
- Eliminate risks of exposing sensitive data in non-prod environments



Risk-Free Cloud Migration

- Simulate production environments using anonymized data in enclave
- Validate functionality before full-scale migration
- Ensure data integrity and reduce downtime during transitions



Clean Data Preparation for Secure Workloads

- Detect and remove duplicates before migration
- Improve data quality and reduce storage costs
- Minimize security risks tied to legacy data



GDPR-Compliant Data Residency and Sovereignty

- Process anonymized data within compliant, enclave-based infrastructure
- Support EU and global data protection laws effortlessly
- Ensure lawful, region-specific data handling



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CONCLUSION

Together, Maya Data Privacy and enclaiVe.io offer a powerful foundation for enterprises to confidently anonymize, test, and migrate critical systems into secure cloud environments —while achieving the highest levels of compliance and performance.

Contact us today for a personalized consultation.

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