Compliance And Data Privacy Checks

We are helping organizations ensure **compliance** and **data privacy** through structured, expert-led assessments and testing services. Here's how we typically support these areas:

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1. Regulatory Compliance Testing

Testing consultancies can help ensure your software systems comply with industry-specific regulations such as:

- **GDPR** (General Data Protection Regulation)
- **HIPAA** (Health Insurance Portability and Accountability Act)
- **PCI-DSS** (Payment Card Industry Data Security Standard)
- **ISO/IEC 27001** (Information Security Management)

What we do:

- Review policies and procedures for regulatory gaps
- Validate that **data collection, processing, and storage** align with regulatory requirements
- Simulate compliance audits
- Map data flows and identify areas of risk or non-conformity

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2. Data Privacy & Security Testing

We perform technical and procedural checks to make sure personal and sensitive data is handled correctly.

Common services:

- **Vulnerability assessments**
- **Penetration testing**

- **Static and dynamic code analysis**
- **Data masking and encryption validation**
- **Access control checks**
- **Audit trail and logging verification**

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3. Automated Compliance Checks

Some consultancies implement **automated test scripts** to continually validate compliance during development, especially in DevSecOps environments.

Examples:

- Automated scans for insecure data exposure
- Tools like OWASP ZAP, Nessus, or Burp Suite for regular testing
- CI/CD hooks to block deployments if non-compliant code is detected

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4. Gap Analysis & Risk Assessment

They perform a **current state analysis** of your system and compare it to compliance requirements.

Deliverables might include:

- Risk heatmaps
- Compliance matrices
- Recommendations for remediation
- Prioritized action plans

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5. Policy Review and Documentation Support

Consultancies often assist in:

- Reviewing internal policies for compliance (e.g., consent handling, data retention)
- Documenting test results for audits
- Creating compliance reports for regulators or clients

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6. Training & Awareness

We can also run workshops or awareness programs for your teams:

- **Secure coding practices**
- **Privacy by design**
- **Incident response protocols**

🧩 **Example Use Case:**

A health-tech startup wants to launch in Europe.

A software testing consultancy might:

- Test the app for GDPR compliance (data minimization, consent handling, right to be forgotten)
- Validate encryption of health records
- Perform a Data Protection Impact Assessment (DPIA)
- Ensure logs are immutable and meet audit requirements