MASS DYNAMICS

FOR IT & SECURITY TEAMS

Security + Data Protection at Mass Dynamics

Mass Dynamics is an agent-ready cloud platform for omics teams. This page is for the IT and security teams who need to review the platform. Here's how we protect it, where it runs, and what you keep control of.

Runs on AWS
No servers or DNS of our own

Encrypted end to end
TLS in transit · AES-256 at rest

You own your data
Including insights generated

Least-privilege access
Audited and monitored

We designed Mass Dynamics' infrastructure so your security team has straightforward answers. Everything below reflects how the platform runs today. For the full detail, see our Privacy Policy (help.massdynamics.com/home/privacy) and Terms (help.massdynamics.com/home/terms).

Infrastructure

All of our services run in the Amazon Web Services (AWS) cloud. Mass Dynamics does not run its own DNS servers, routers, load balancers or physical servers.

AWS data centres hold certifications including ISO 27001, PCI DSS Service Provider Level 1 and SOC 2 (full list at aws.amazon.com/compliance/programs).

Encryption

In transit: traffic between you and our servers is encrypted with HTTPS and TLS over public networks. All data to or from our infrastructure is encrypted in transit, and TLS is also used to encrypt email.

At rest: service data is encrypted in AWS using AES-256. Passwords are hashed with bcrypt and a salt before storage.

Access & environments

Production access is restricted on a need-to-know basis, uses least privilege, and is audited and monitored.

- Team members have no access to non-production environments.
- Development is logically separated from production and strictly controlled.

Application security

- All code is reviewed by a senior engineer before production deployment.
- An extensive automated test suite runs on every code change.
- Automated tooling scans for known vulnerabilities; dependencies are patched regularly.
- Rate limiting guards against brute-force attacks; passwords and API tokens are filtered from logs.

Change control

We manage all infrastructure as code, so every change is audited, peer-reviewed, and applied through a secure, automated process.

Your data & your IP

You retain ownership of the data and content you provide — including any experimental insights generated from it. We access it only to help you transform it into knowledge, and seek your consent first.

Mass Dynamics owns the platform itself. If you share feedback and we build a feature from it, the IP in that feature rests with Mass Dynamics.

Confidentiality & privacy

If either party comes across Confidential Information, both agree to keep it confidential.

We handle personal information in line with our Privacy Policy and endeavour to comply with applicable laws and regulations.

Shared responsibility

Security works in layers. AWS secures the underlying cloud infrastructure; Mass Dynamics secures the platform on top of it (application, access controls, encryption); you control who in your organisation can see your data and how it's shared.

What your security team may also need

Reviewing us formally? We're happy to provide further detail on request, through your Mass Dynamics contact or massdynamics.com/contact.

Data processing agreement · **Data residency / region** · **Data retention & deletion** · **Single sign-on (SSO)** · **Breach notification** · **Sub-processors** · **Penetration testing**

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