

Deployment options

Enterprise AI notebooks for data teams





Deployment options

OPTION A

Hosted in customer's cloud

Deepnote is deployed in your own cloud account (AWS, GCP, Azure). You retain control of the environment, Deepnote provides software and support.

Telemetry can be configured for better and faster support.

Use case: High-security infrastructure that operates in a highly-regulated environment with billing consolidated under one account.

Key benefits:

Data residency: Data will never leave your VPC.

Billing: Consolidated billing for all cloud infrastructure with the ability to utilize customer's pre-negotiated rates.

Ownership: Full control over infrastructure and network policies.

OPTION B

Deepnote-hosted single-tenant

A fully managed deployment in a dedicated cloud account provisioned by Deepnote, isolated at the account level.

Use case: High-security environments that want managed services without sharing infrastructure.

Key benefits:

Isolation: Complete account-level separation with dedicated resources.

Region: Available in any cloud region of your choice.

Setup: Managed deployment and connectivity.

Updates: Continuous and automated software updates.

Monitoring: Secure logging without sensitive data exposure.

OPTION C

Deepnote-hosted multi-tenant

Deepnote's standard deployment model is a fully managed, multi-tenant environment.

Your projects run in the same secure, high-availability infrastructure used by customers like Ramp, SoundCloud, and DAZN.

Use case: Teams who want to get started fast, without managing their own infrastructure.

Key benefits:

Compliance & Security: SOC 2 Type II, GDPR, and CCPA compliant.

Region: Hosted in the United States (us-east-1).

Speed: Get started immediately.

Cost: No deployment fees.

Ease of use: Fully managed maintenance, scaling, and updates.



Add-ons



Custom execution environments

While Deepnote's control plane is deployed via any of the options above, it can connect to other compute planes (e.g. high-performance computing cluster or private data centers) to run the computation externally.

This add-on is evaluated and implemented case-by-case in partnership with your infrastructure team.



FAQs

? What region and zone does Deepnote use for multi-tenant deployments?

Deepnote's multi-tenant deployments run in a **single shared cluster**, currently located in the **United States (us-east-1)**. This environment meets strict compliance standards including **SOC 2 Type II, GDPR, and CCPA**.

If your organization requires data residency in a specific region (such as within the European Union), this can be accommodated through a **single-tenant deployment**.

? Does Deepnote support control plane and data plane separation?

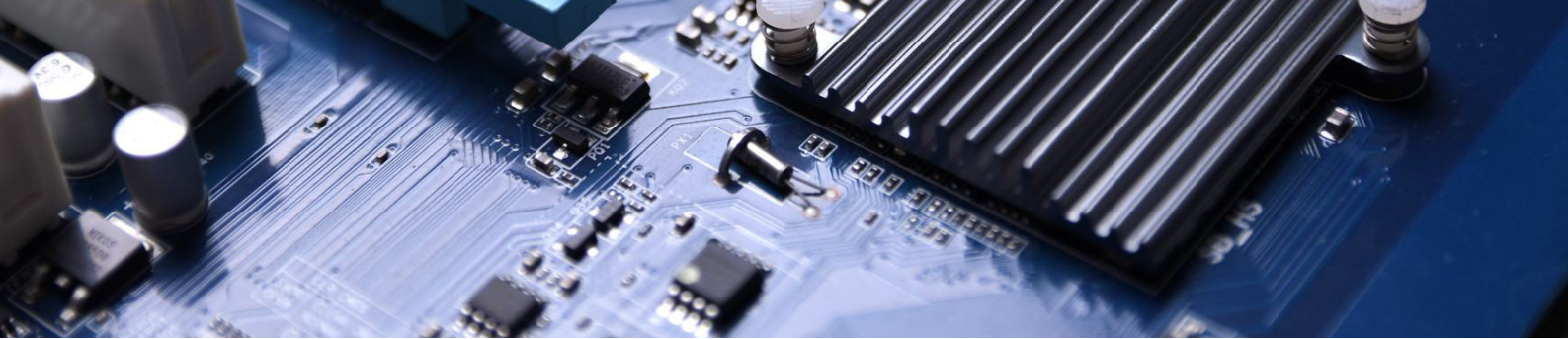
All managed deployments handle both metadata and compute within Deepnote-hosted infrastructure. For security-sensitive cases, our single-tenant model offers full **account-level isolation** and **enterprise-grade controls**.

If your organization requires deeper separation, please contact us to discuss alternatives. It is possible to connect to a separate cluster just for computation.

? How are updates handled in single-tenant deployments?

Updates in single-tenant environments are fully automated using a GitOps pipeline powered by ArgoCD, which is installed inside the customer's Kubernetes cluster. ArgoCD continuously monitors Deepnote's GitHub repository and automatically applies updates when changes are detected.

This process requires **no external access from Deepnote**, supporting strong security and compliance requirements. Updates are designed to be non-disruptive and do not affect currently running notebooks.



FAQs

❓ **When does Deepnote require maintenance access in single-tenant deployments?**

Manual maintenance is rare but may be needed for infrastructure-level work within the customer's dedicated cloud account. In these cases:

- A maintenance window will be coordinated and agreed upon in advance via a dedicated communication channel. Depending on the urgency, maintenance can be performed immediately.
- Maintenance access is temporary and scoped only to the task at hand. Customer is responsible to temporarily adjust access permissions following the internal security policies (e.g., remove VPC peering if required).

❓ **Are any of Deepnote's deployments air-gapped?**

No — Deepnote does not currently support fully air-gapped deployments. All deployments require at least some level of network connectivity to enable core functionality such as updates, collaboration, and remote support.