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Private AI to Drive Government Mission Outcomes

Government organizations can utilize GenAI to enhance productivity and achieve mission success while keeping their data secure.

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Focused Investment on Private AI

Governments are investing in tools and competencies to implement private AI in order to translate national policies into effective solutions with appropriate data governance, data quality, and cybersecurity controls.

Of the spending dedicated to GenAI data sources, models, and governance over the next 18 months, government entities are planning on allocating:

39%
to data management/governance solutions **to reduce GenAI privacy and sensitivity risks**

34%
to acquire third-party data and augmentation tools **to create private GenAI models**

26%
to acquire **pre-trained third-party models**

Source: IDC's *Future Enterprise Resiliency & Spending Survey, Wave 2*, February 2024

Data as a Strategic Asset for Government

Governments need to use AI to drive mission outcomes while maintaining control over sensitive data, such as personal information and national security matters.
This control may also require separating an agency's data and other agencies which is challenging in government-only public clouds.

The vast majority of government technology leaders believe sensitive data must be **strictly monitored, controlled, and secured from commingling with outside data so it cannot be misused in GenAI use cases.**

Source: IDC's *Future Enterprise Resiliency & Spending Survey, Wave 4*, April 2024

Governments Want GenAI Models That Best Respond to Their Mission Requirements

Roughly half of government entities plan to **train their own proprietary GenAI models from scratch.**

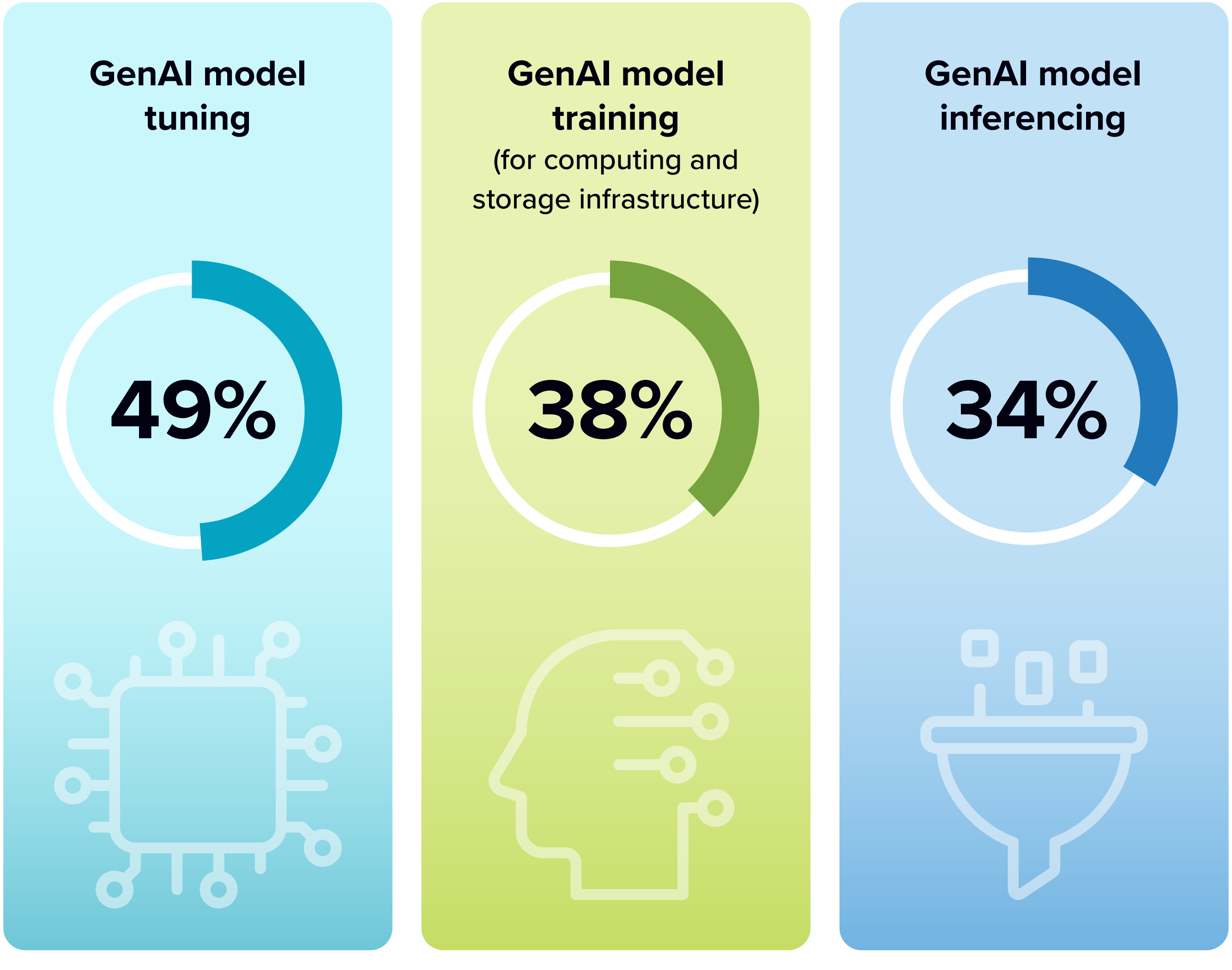
A substantial number of government organizations are **fine-tuning purchased or licensed generative AI models.**

Source: IDC's *Future Enterprise Resiliency & Spending Survey, Wave 4*, April 2024

Dedicated Data Infrastructure for Model Training, Tuning, and Inferencing

Governments are keeping tight control of their AI-relevant data by using on-premises infrastructure.

Government entities plan to use dedicated on-premises datacenters for:



GenAI model tuning
49%

GenAI model training
(for computing and storage infrastructure)
38%

GenAI model inferencing
34%

Source: IDC's *Future Enterprise Resiliency & Spending Survey, Wave 4*, April 2024

Invest in Tooling for Private AI

Governments want to invest in private infrastructure solutions that enable them to avoid creating more technical debt, while ensuring compliance.

Government CIOs and CTOs are considering what technical debt risks they face, when scaling GenAI infrastructure:

Ensuring continuous compliance with data privacy, security frameworks, and copyright law with GenAI infrastructure.

Additionally, government workers are concerned with limited data portability and integration across GenAI platforms.

Source: IDC's *Future Enterprise Resiliency & Spending Survey, Wave 2*, February 2024

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