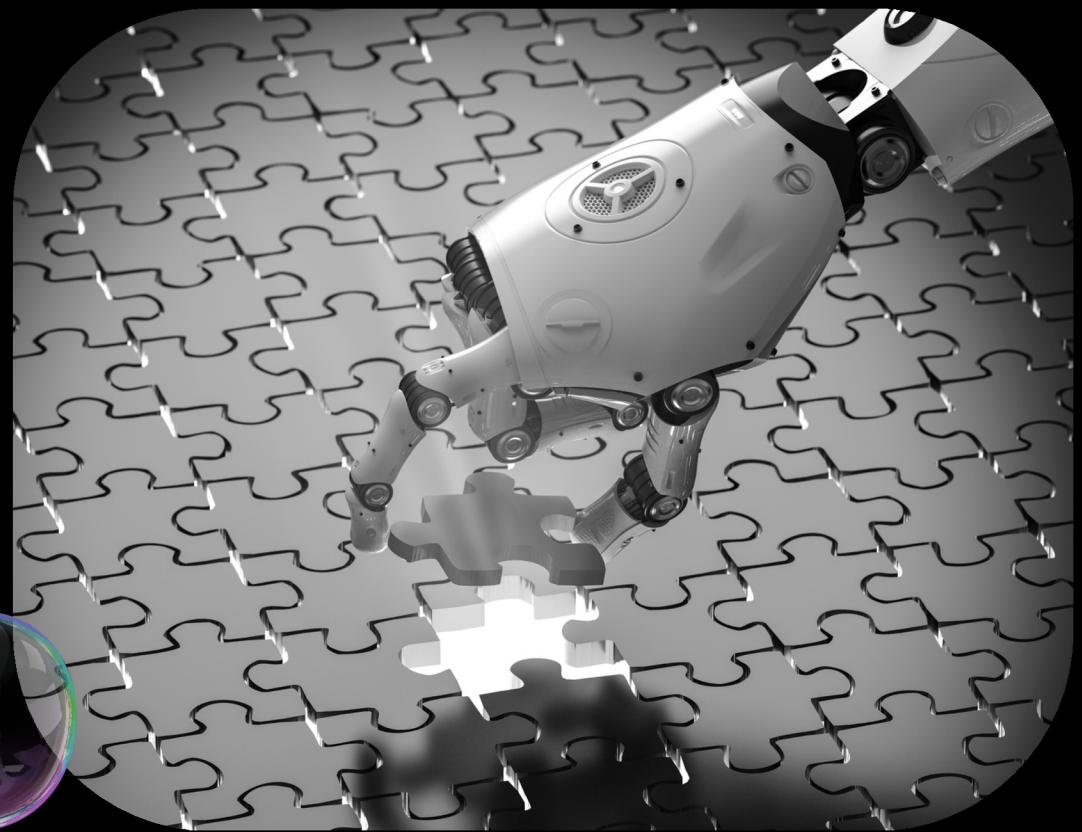


Azure Mastery: Building Smarter Bots

Azure subscription and Quotas



Created by
Katerina Chernevskaya



Azure subscription

Definition

An Azure subscription is a logical unit used for managing, billing, and scaling resources in Microsoft Azure.

It acts as a container that holds and governs the resources you deploy, such as virtual machines, databases, or app services, allowing for centralized management under a single billing account.



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Azure subscription

Types

Pay-As-You-Go ideal for users who prefer paying for Azure resources as they use them without long-term commitments.

Enterprise Agreement suitable for large organizations that want to commit to a certain level of spending in return for discounted rates over a specified term.

Student Subscription offers limited free services for students currently in an educational institution.

Free Trial available for new customers, providing limited credit to explore and try out Azure services for 30 days.



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Azure subscription



A company might set up separate subscriptions for different environments (development, testing, production) to enhance management and security.

This approach helps in isolating environments, simplifying compliance and governance, and optimizing costs by aligning resource usage with business needs.



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Azure subscription

Tips

Set up **Budget Alerts** to keep track of spending and stay within financial limits.

Use **Azure Policies** to enforce rules and compliance requirements automatically.

Configure **RBAC** to manage who can access and manage resources within your subscription effectively.

Request required Quota in advance to avoid disruptions (if your project is expected to exceed the default quotas).



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Quota

Definition

Quotas is assigned number of resources for the particular Azure subscription.

Each quota represents a specific countable resource, such as the number of virtual machines you can create.

These are enforced by Azure to ensure fair usage and prevent the overconsumption of resources beyond what is typically necessary or allocated.



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Quota

Types

Adjustable quotas are those for which increases can be requested. Each subscription comes with a default quota value for these, and you can submit a request to increase this quota. This is the fastest method to enhance your quota limits.

Non-adjustable quotas have a fixed limit set by the subscription's scope. To modify these, a support request must be submitted, after which the Azure support team will assist in providing solutions.



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Quota

Before you begin creating your chatbot, verify the available resource quotas for **Machine Learning** and **Azure OpenAI services**.

To check **Machine Learning** quotas, access your Azure portal, select your subscription, and review the limits under **Usage + quotas** for the specific provider and region.

For **Azure OpenAI** quotas you can find information on <https://ai.azure.com> by accessing the **Quota** section and selecting **Azure OpenAI Standard**.

If the existing quotas don't meet your project's needs, you'll need to apply for an increase.



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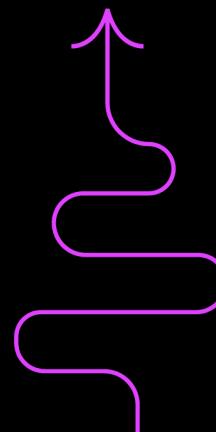
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Key Terms

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