

IOPS Scaling on Azure Database for PostgreSQL Flexible Server

Prerequisites:

1. You must be under NDA.
2. IOPS Scaling feature can be enabled for newly created or existing servers during private preview.

Limitations:

1. Private preview is only available for the customers who are under NDA.

IOPS Scaling Feature – Scaling Up

Follow these steps to scale up the Performance Tier.

1. In the [Azure Portal](#), choose your flexible server that you want to scale up.
2. Click **Compute + storage**.
3. A page with the current settings is displayed.

The screenshot shows the 'Settings' page for an Azure Database for PostgreSQL Flexible Server. The 'Compute + storage' tab is selected and highlighted with a red box. The settings are as follows:

| Setting | Value |
|--|--|
| Compute Processor | Intel |
| Compute size | Standard_D2ds_v4 (2 vCores, 8 GiB memory, 3200 max iops) |
| Storage | |
| The storage you provision is the amount of storage capacity available to your flexible server and is billed GiB/month. Note that storage cannot be scaled down once the server is created. | |
| Storage size | 128 GiB |
| Performance Tier (preview) | P10 (500 iops) |
| Storage Auto-growth (preview) | <input type="checkbox"/> |

4. You will see the new "Performance Tier (preview)" drop-down option. The option selected will be the pre-provisioned IOPS, which is also the minimum amount of IOPS available.

Settings

- Compute + storage
- Networking
- Databases
- Connection strings
- Server parameters
- Replication
- Maintenance
- High availability
- Backup and restore
- Advisor recommendations
- Locks

Power Platform

- Power BI (preview)

Security

Compute Processor

☐ AMD

☒ Intel

Compute size

Standard_D2ds_v4 (2 vCores, 8 GiB memory, 3200 max iops)

Storage

The storage you provision is the amount of storage capacity available to your flexible server and is billed GiB/month.
Note that storage cannot be scaled down once the server is created.

Storage size

128 GiB

Performance Tier (preview)

P10 (500 iops)

P10 (500 iops)

P15 (1100 iops)

P20 (2300 iops)

P30 (5000 iops)

P40 (7500 iops)

P50 (7500 iops)

5. Select your new performance tier and click save.

Settings

- Compute + storage
- Networking
- Databases
- Connection strings
- Server parameters
- Replication
- Maintenance
- High availability
- Backup and restore
- Advisor recommendations

Compute

Compute resources are pre-allocated and billed per hour based on vCores configured.
Note that high availability is supported for only General purpose and Memory optimized tiers.

Compute tier

☐ Burstable (1-20 vCores) - Best for workloads that don't need the full CPU continuously

☒ General Purpose (2-96 vCores) - Balanced configuration for most common workloads

☐ Memory Optimized (2-96 vCores) - Best for workloads that require a high memory to CPU ratio

Compute Processor

☐ AMD

☒ Intel

Compute size

Standard_D2ds_v4 (2 vCores, 8 GiB memory, 3200 max iops)

Storage

The storage you provision is the amount of storage capacity available to your flexible server and is billed GiB/month.
Note that storage cannot be scaled down once the server is created.

Storage size

128 GiB

Performance Tier (preview)

P30 (5000 iops)

Storage Auto-growth (preview)

☐

6. Your server will deploy and once the deployment is completed, your server is updated and will show the new performance tier.

IOPS Scaling Feature – Scaling Down

Follow these steps to scale down the Performance Tier.

1. In the [Azure Portal](#), choose your flexible server that you want to scale down.
2. Click **Compute + storage**.
3. A page with the current settings is displayed.

Settings

- Compute + storage
- Networking
- Databases
- Connection strings
- Server parameters
- Replication
- Maintenance
- High availability
- Backup and restore
- Advisor recommendations

Compute Processor

Compute size

Standard_D2ds_v4 (2 vCores, 8 GiB memory, 3200 max iops)

Storage

The storage you provision is the amount of storage capacity available to your flexible server and is billed GiB/month.
Note that storage cannot be scaled down once the server is created.

Storage size

128 GiB

Performance Tier (preview)

P30 (5000 iops)

Storage Auto-growth (preview)

☐

4. You will see the new “Performance Tier (preview)” drop-down option. The option selected will be your last selected IOPS when you scaled up.

Settings

- Compute + storage
- Networking
- Databases
- Connection strings
- Server parameters
- Replication
- Maintenance
- High availability
- Backup and restore
- Advisor recommendations
- Locks
- Power Platform
- Power BI (preview)
- Security

Compute Processor

Compute size

Standard_D2ds_v4 (2 vCores, 8 GiB memory, 3200 max iops)

Storage

The storage you provision is the amount of storage capacity available to your flexible server and is billed GiB/month.
Note that storage cannot be scaled down once the server is created.

Storage size

128 GiB

Performance Tier (preview)

P30 (5000 iops)

P10 (500 iops)

P15 (1100 iops)

P20 (2300 iops)

P30 (5000 iops)

P40 (7500 iops)

P50 (7500 iops)

Storage Auto-growth (preview)

☐

High availability

High availability

Backups

Backup retention period (in days)

5. Select your new performance tier and click save.

Search << Save Discard CLI / PS Feedback FAQs

Compute

Compute resources are pre-allocated and billed per hour based on vCores configured.
Note that high availability is supported for only General purpose and Memory optimized tiers.

Compute tier

- ☐ Burstable (1-20 vCores) - Best for workloads that don't need the full CPU continuously
- ☒ General Purpose (2-96 vCores) - Balanced configuration for most common workloads
- ☐ Memory Optimized (2-96 vCores) - Best for workloads that require a high memory to CPU ratio

Compute Processor

- ☐ AMD
- ☒ Intel

Compute size

Standard_D2ds_v4 (2 vCores, 8 GiB memory, 3200 max iops) ▾

Storage

The storage you provision is the amount of storage capacity available to your flexible server and is billed GiB/month.
Note that storage cannot be scaled down once the server is created.

Storage size ⓘ

128 GiB ▾

Performance Tier (preview) ⓘ

P15 (1100 iops) ▾

6. Your server will deploy and once the deployment is completed, your server is updated and will show the new performance tier.