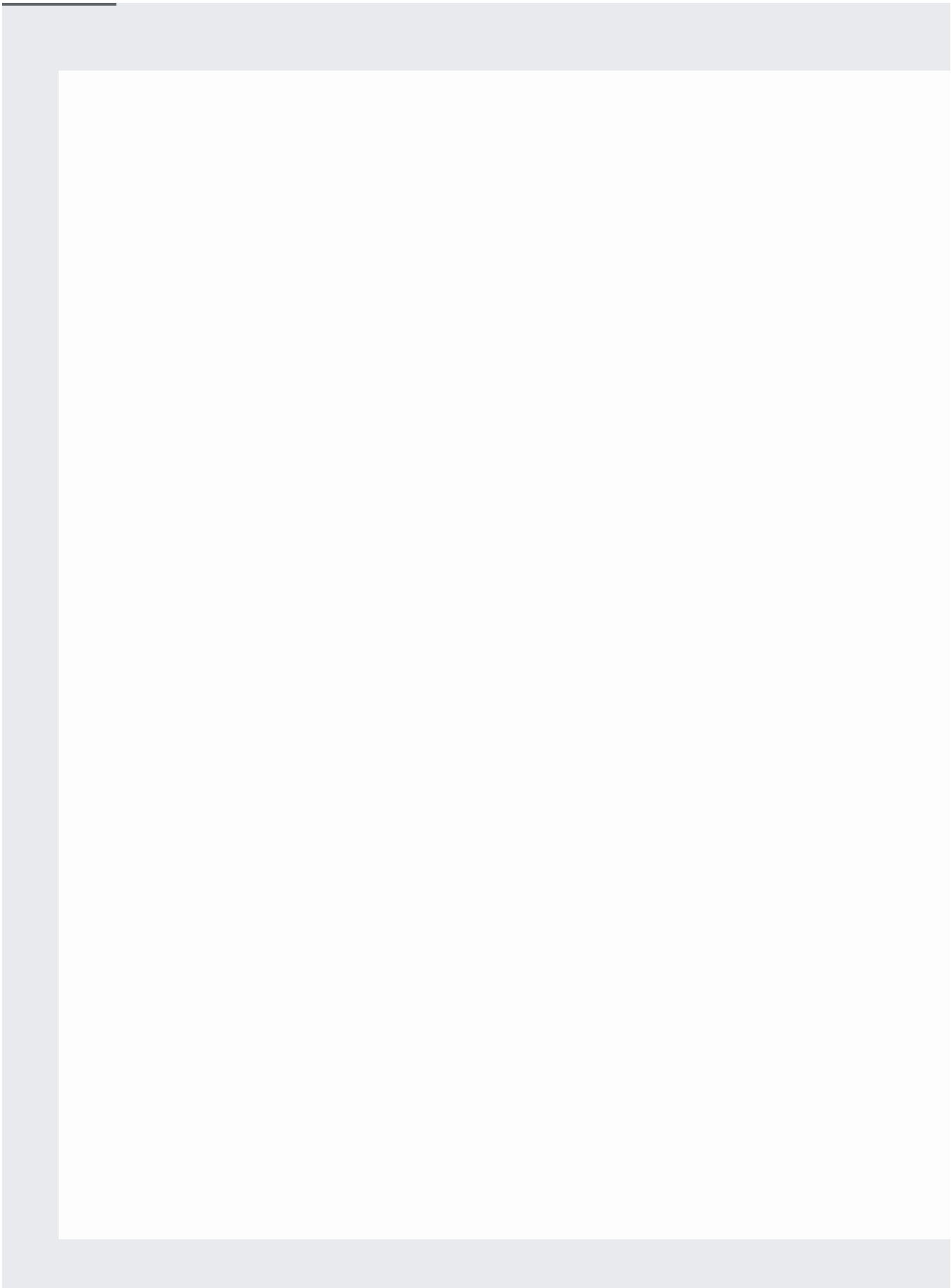
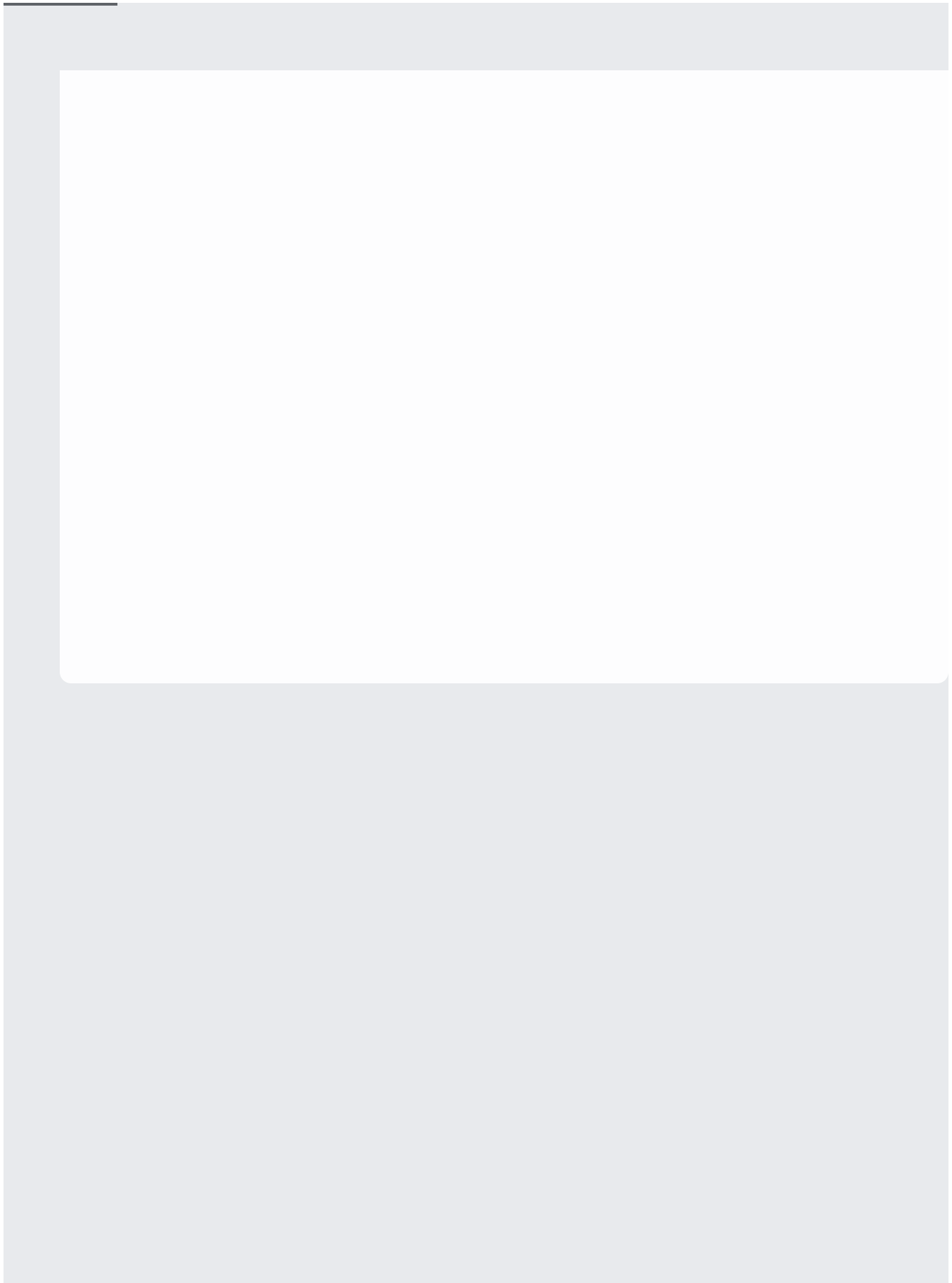
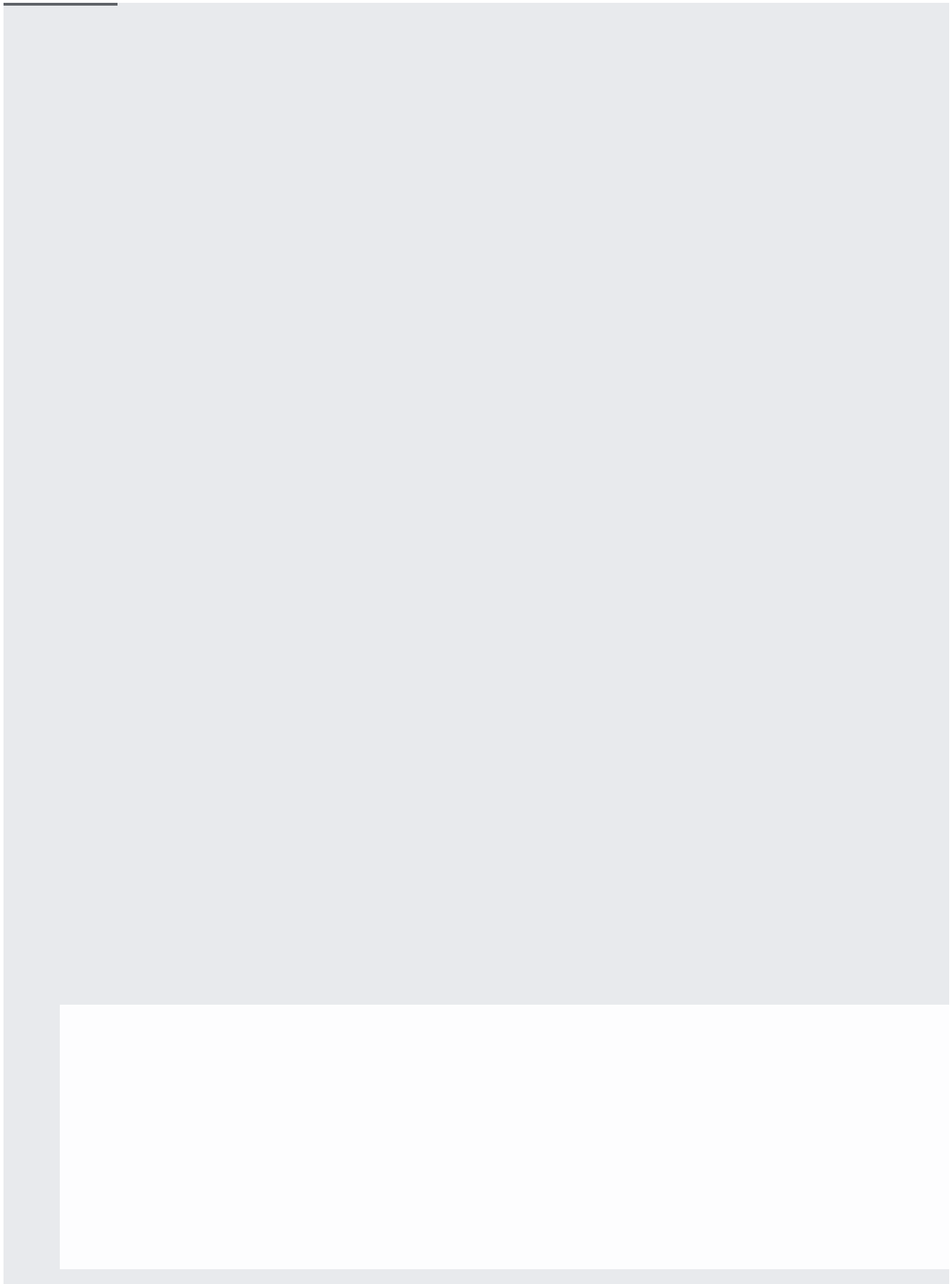

[MySQL](#) (/sql/docs/mysql/create-instance) | **PostgreSQL** | [SQL Server](#)
(/sql/docs/sqlserver/create-instance)

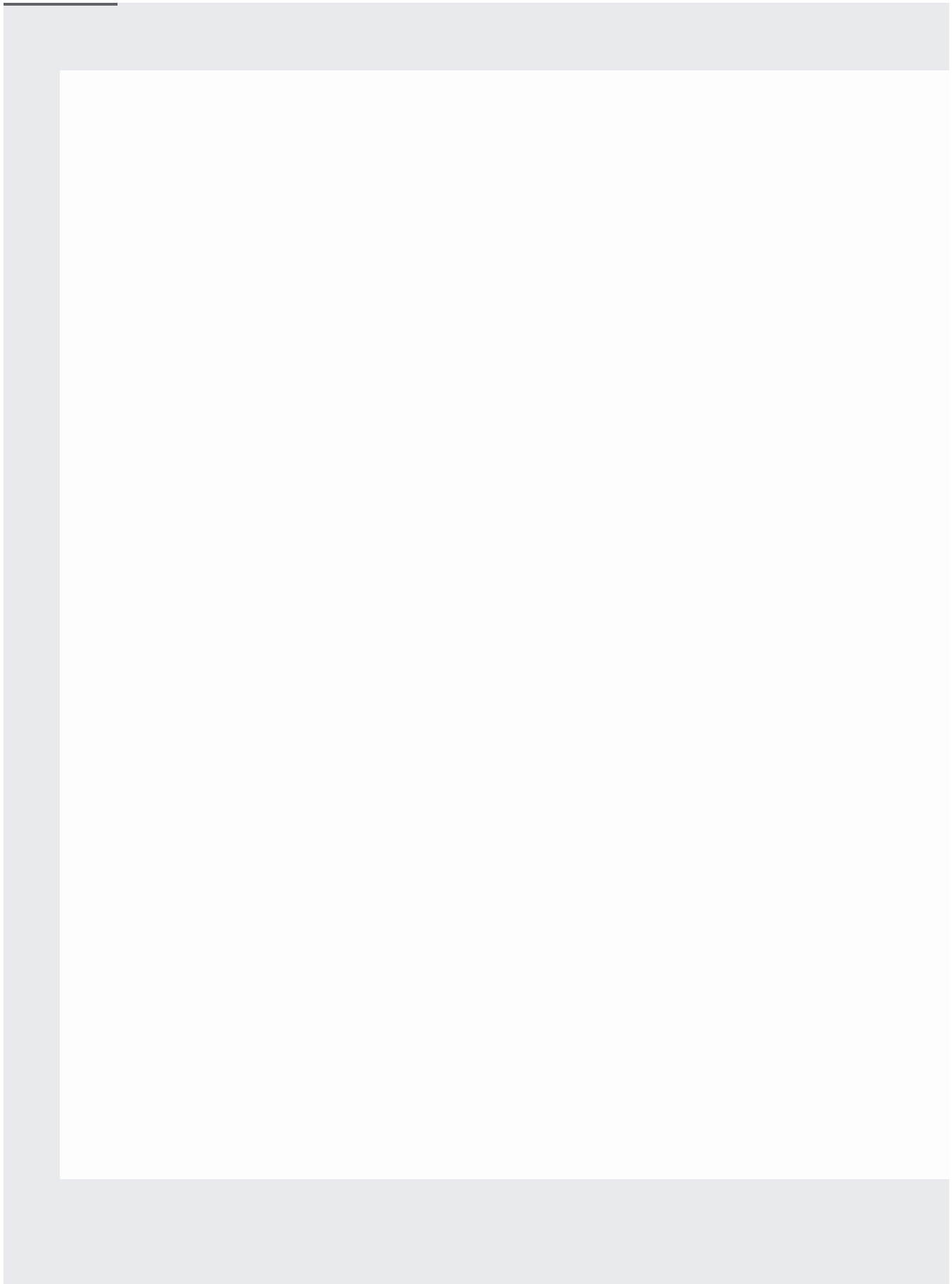
This page describes how to create a Cloud SQL for PostgreSQL instance.

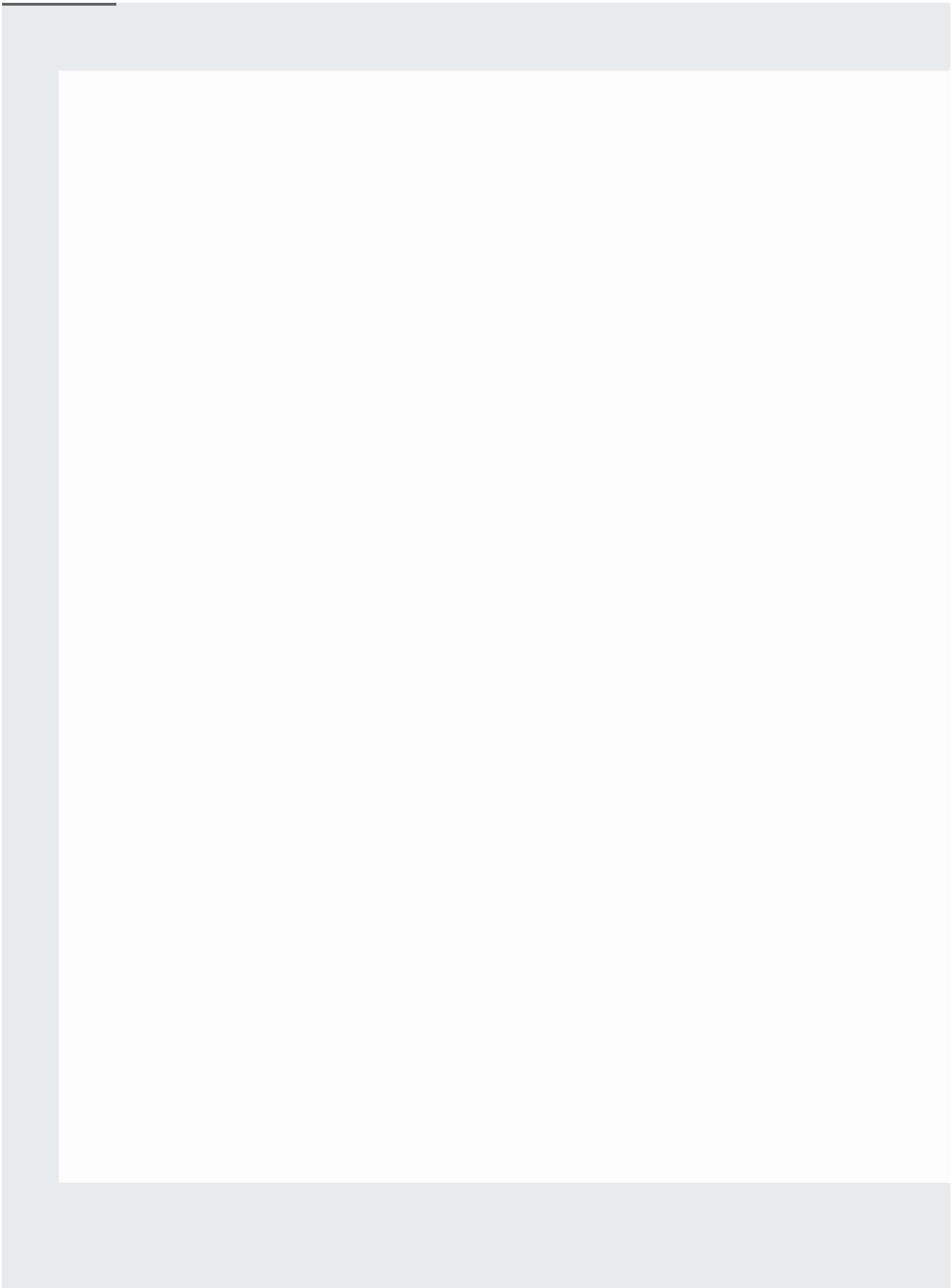
For detailed information about all instance settings, see [Instance Settings](#)
(/sql/docs/postgres/instance-settings).

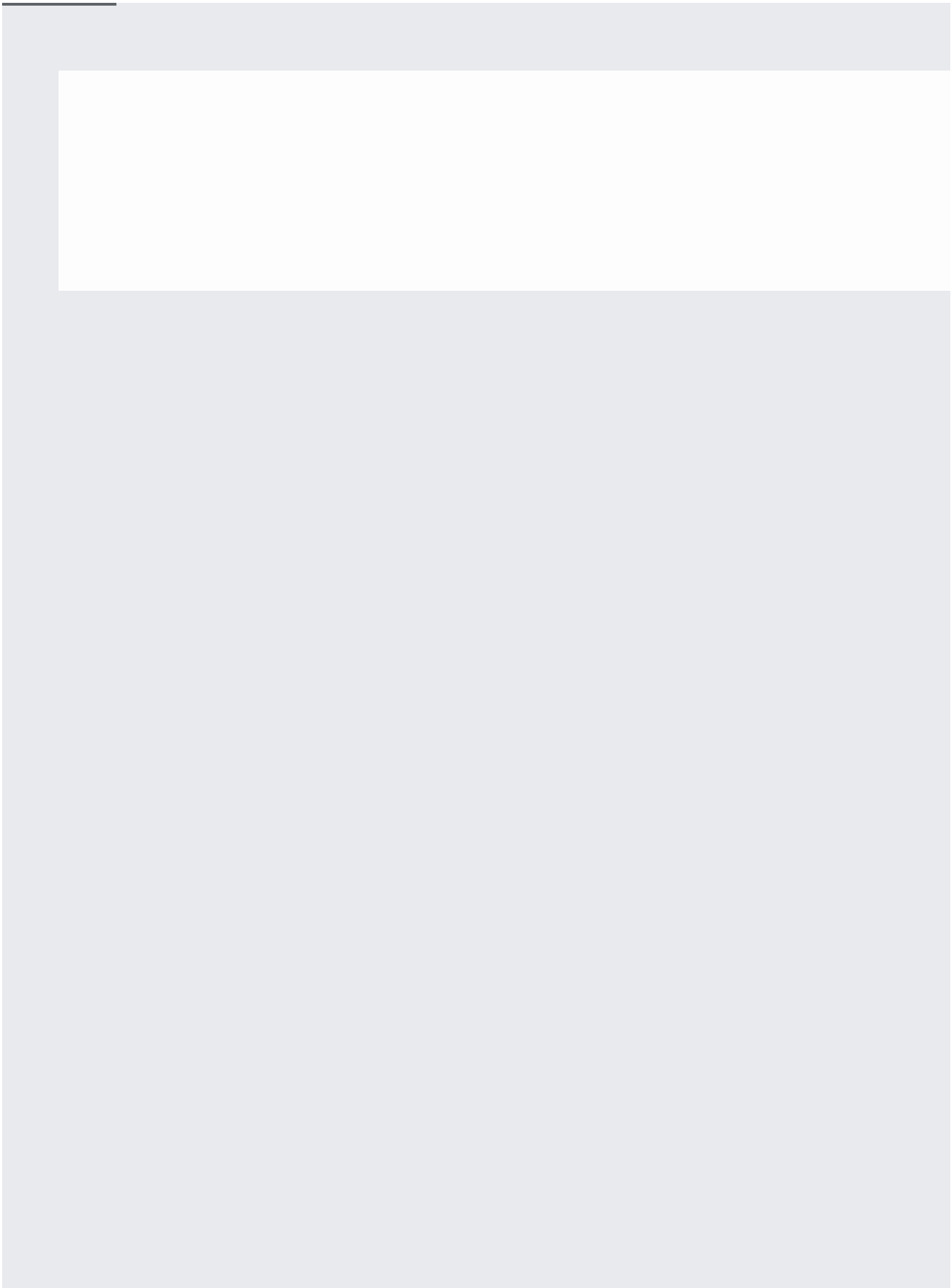












With custom machine types, you can configure your instance with the amount of memory and CPUs that it needs. However, there are some restrictions on these values:

- vCPUs must be either 1 or an even number between 2 and 64.
- Memory must be:
 - 0.9 to 6.5 GiB per vCPU
 - A multiple of 256 MiB
 - At least 3.75 GiB (3840 MiB)

Here are some sample machine type values, based on the predefined machine types available for PostgreSQL instances:

Predefined machine type	vCPUs	Memory (MiBs)	API tier string
db-n1-standard-1	1	3840	db-custom-1-3840
db-n1-standard-2	2	7680	db-custom-2-7680
db-n1-standard-4	4	15360	db-custom-4-15360
db-n1-standard-8	8	30720	db-custom-8-30720
db-n1-standard-16	16	61440	db-custom-16-61440
db-n1-standard-32	32	122880	db-custom-32-122880
db-n1-standard-64	64	245760	db-custom-64-245760
db-n1-highmem-2	2	13312	db-custom-2-13312
db-n1-highmem-4	4	26624	db-custom-4-26624
db-n1-highmem-8	8	53248	db-custom-8-53248
db-n1-highmem-16	16	106496	db-custom-16-106496
db-n1-highmem-32	32	212992	db-custom-32-212992
db-n1-highmem-64	64	425984	db-custom-64-425984

- [Configure access to the instance \(/sql/docs/postgres/instance-access-control\)](/sql/docs/postgres/instance-access-control).

- [Connect to the instance with a psql client](/sql/docs/postgres/connect-admin-ip) (/sql/docs/postgres/connect-admin-ip).
- [Create a database on the instance](/sql/docs/postgres/create-manage-databases) (/sql/docs/postgres/create-manage-databases).
- [Import data into the instance](/sql/docs/postgres/import-export/importing) (/sql/docs/postgres/import-export/importing).
- [Create users on the instance](/sql/docs/postgres/create-manage-users) (/sql/docs/postgres/create-manage-users).
- [Learn more about instance settings](/sql/docs/postgres/instance-settings) (/sql/docs/postgres/instance-settings).