

SQL

Cloud SQL :

Cloud SQL instance

Performance:

- 30 TB of storage
- 40,000 IOPS
- 416 GB of RAM
- Scale out with read replicas

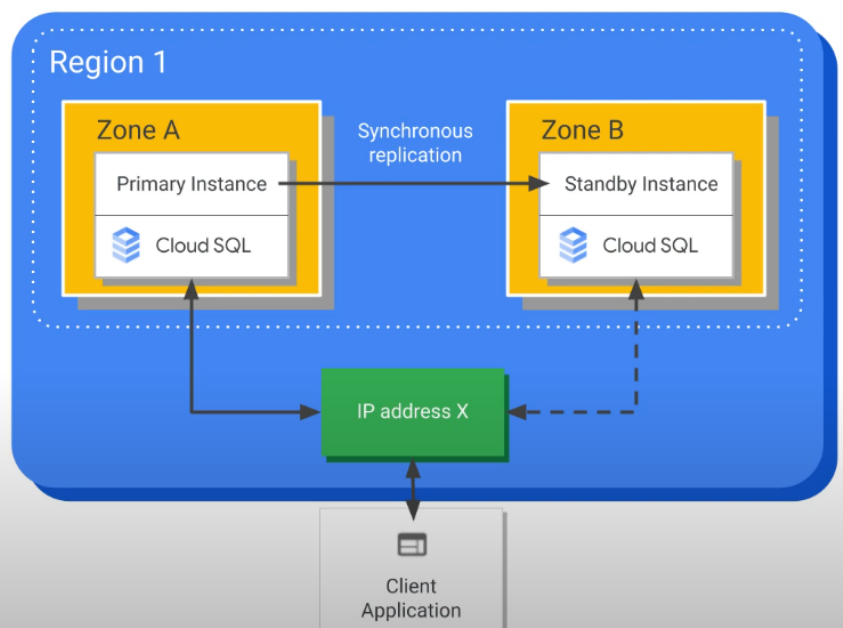
Choice:

- MySQL 5.6, 5.7 (default), or 8.0
- PostgreSQL 9.6, 10, 11 or 12 (default)
- Microsoft SQL Server 2017

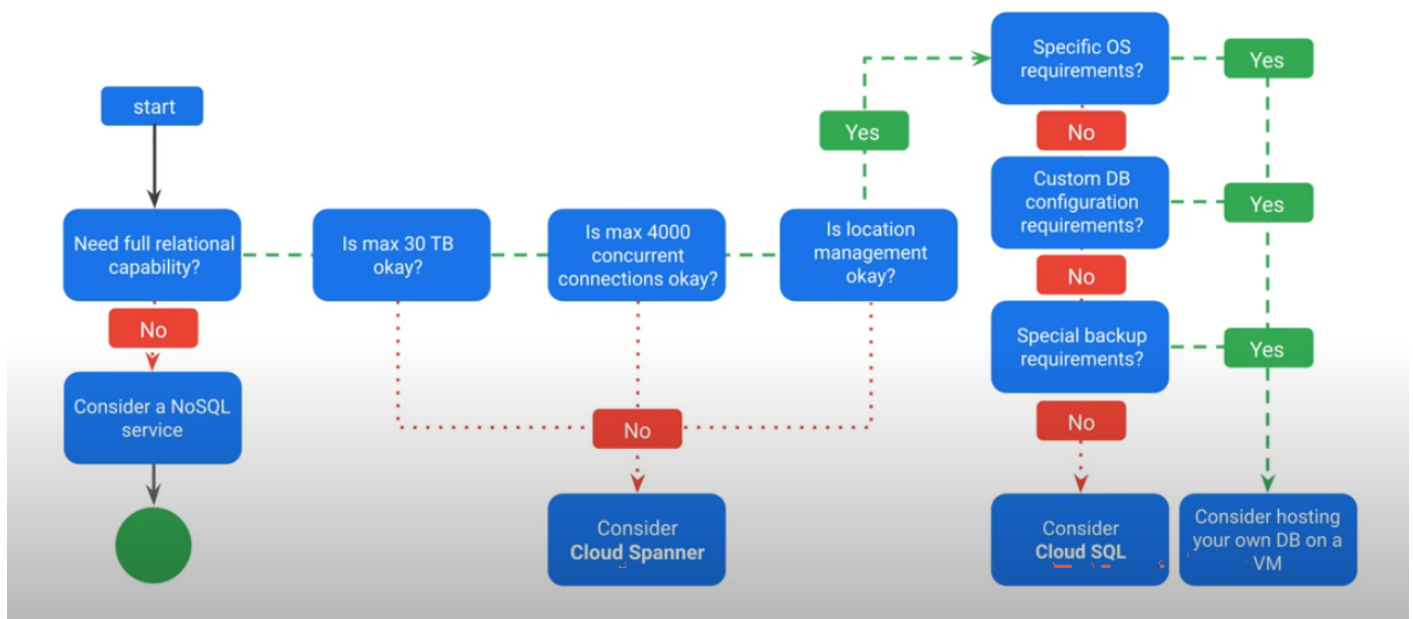


Cloud SQL services

- HA configuration
- Backup service
- Import/export
- Scaling
 - Up: Machine capacity
 - Out: Read replicas



Choisir Cloud SQL :



	Cloud Spanner		Relational DB		Non-Relational DB	
Schema	✓	Yes	✓	Yes	✗	No
SQL	✓	Yes	✓	Yes	✗	No
Consistency	✓	Strong	✓	Strong	✗	Eventual
Availability	✓	High	✗	Failover	✓	High
Scalability	✓	Horizontal	✗	Vertical	✓	Horizontal
Replication	✓	Automatic	↻	Configurable	↻	Configurable

LES COMMANDES :

Prévoir une Backup à un temps t :

```
gcloud sql instances patch prod-sql-01 --backup-start-time 03:00
```

Désactiver la protection de suppression :

```
gcloud sql instances patch prod-sql-01 --no-deletion-protection
```

Supprimer une instance :

```
gcloud sql instances delete prod-sql-01
```

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