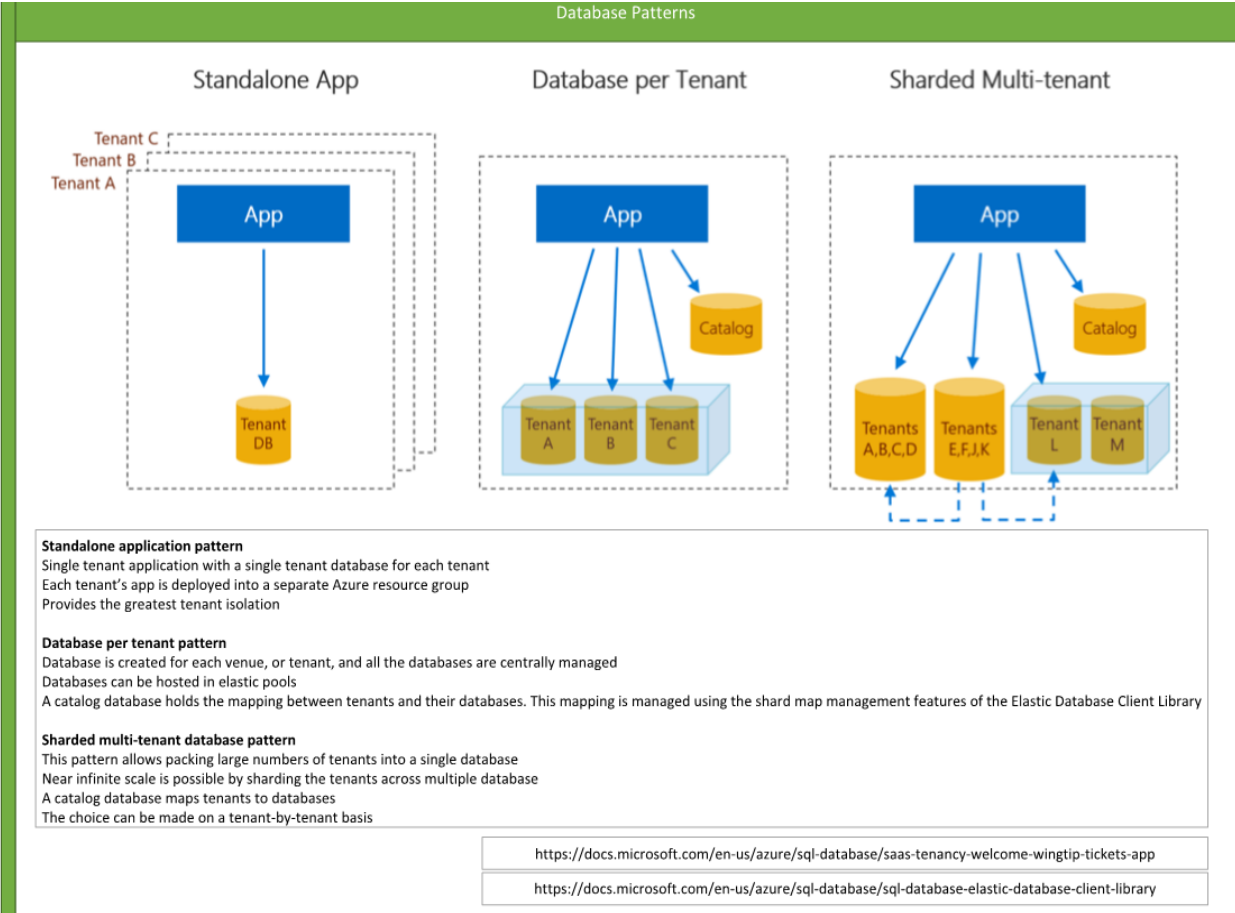


Design Patterns

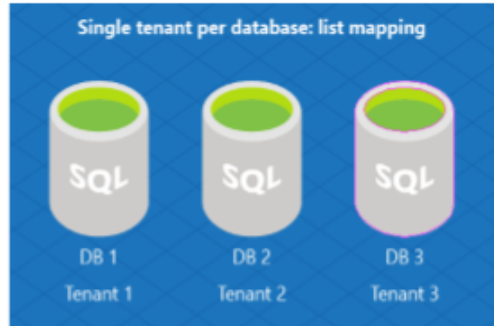


List Shard mappings

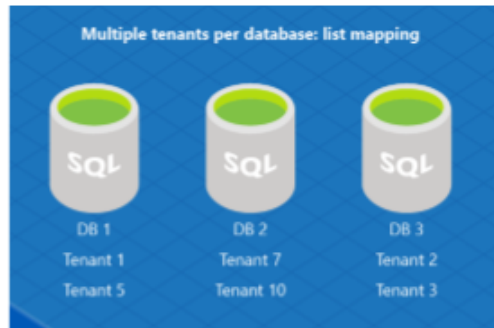
List Mapping Shard Maps

List Mapping Shard Patterns

- The single-tenant model assigns one database per tenant.
- This is the simplest model supported and simplifies management.



- This multi-tenant model uses list mapping to assign multiple tenants to a single database.
- Any number of tenants can be assigned to any database and tenants can easily be moved between databases.
- This model increases management complexity but can provide cost benefits and additional flexibility.



Supported types for sharding keys

Elastic Scale support the following types as sharding keys:

.NET	Java
integer	integer
long	long
guid	uuid
byte[]	byte[]
datetime	timestamp
timespan	duration
datetimeoffset	offsetdatetime

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-elastic-scale-shard-map-management>

Processes flow

