


Ten design principles for Azure applications

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Follow these design principles to make your application more scalable, resilient, and manageable.

[Design for self healing](#). In a distributed system, failures happen. Design your application to be self healing when failures occur.

[Make all things redundant](#). Build redundancy into your application, to avoid having single points of failure.

[Minimize coordination](#). Minimize coordination between application services to achieve scalability.

[Design to scale out](#). Design your application so that it can scale horizontally, adding or removing new instances as demand requires.

[Partition around limits](#). Use partitioning to work around database, network, and compute limits.

[Design for operations](#). Design your application so that the operations team has the tools they need.

[Use managed services](#). When possible, use platform as a service (PaaS) rather than infrastructure as a service (IaaS).

[Use the best data store for the job](#). Pick the storage technology that is the best fit for your data and how it will be used.

[Design for evolution](#). All successful applications change over time. An evolutionary design is key for continuous innovation.

[Build for the needs of business](#). Every design decision must be justified by a business requirement.