Database X on server Y is not currently available (Error 40613)

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Error 40613

This is a nonspecific, transient error returned by Azure any time the database is unavailable.

What actions cause 40613

- User-initiated actions: certain operations that change the database configuration may briefly make the database unavailable. Some of the most common are scaling the database or elastic pool.
- Planned maintenance: the service periodically performs planned maintenance to deploy software upgrades and other system enhancements. This usually occurs less than twice a month.
- Unplanned failover: unexpected events such as a software crash, hardware failure, etc.

During the period the service is reconfiguring your primary database replica, attempts to connect to the database will fail with error 40613. Within a few minutes (needed to process the health signal), Resource Health should reflect that the database is unavailable. As additional telemetry becomes available, analysis is performed to determine the detailed cause of unavailability. Resource Health is updated with the detailed unavailability reason (when available) in about 30 minutes.

States based on Impacted Resource

Based on the resource and area of impact, the database availability issue can caused by multiple reasons.

Refer 40613 states - based on impact source for details

Recommendations

- You should expect occasional, brief windows (e.g., less than 60 seconds) where you see error 40613. Make sure that all production applications have robust retry logic to handle this.
- Check Resource Health to see whether there is a detailed unavailability reason, and whether it is being caused by a user-initiated action. If so, schedule these operations during a time that reduces impact.
- Subscribe to Planned maintenance notifications in Azure Service Health, so you know when planned maintenance activities will occur and can set expectations with your users

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