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| **Fixed database role** | **Database-level permission** | **Server-level permission** |
| db\_accessadmin | Granted: ALTER ANY USER, CREATE SCHEMA | Granted: VIEW ANY DATABASE |
| db\_accessadmin | Granted with GRANT option: CONNECT |  |
| db\_backupoperator | Granted: BACKUP DATABASE, BACKUP LOG, CHECKPOINT | Granted: VIEW ANY DATABASE |
| db\_datareader | Granted: SELECT | Granted: VIEW ANY DATABASE |
| db\_datawriter | Granted: DELETE, INSERT, UPDATE | Granted: VIEW ANY DATABASE |
| db\_ddladmin | Granted: ALTER ANY ASSEMBLY, ALTER ANY ASYMMETRIC KEY, ALTER ANY CERTIFICATE, ALTER ANY CONTRACT, ALTER ANY DATABASE DDL TRIGGER, ALTER ANY DATABASE EVENT, NOTIFICATION, ALTER ANY DATASPACE, ALTER ANY FULLTEXT CATALOG, ALTER ANY MESSAGE TYPE, ALTER ANY REMOTE SERVICE BINDING, ALTER ANY ROUTE, ALTER ANY SCHEMA, ALTER ANY SERVICE, ALTER ANY SYMMETRIC KEY, CHECKPOINT, CREATE AGGREGATE, CREATE DEFAULT, CREATE FUNCTION, CREATE PROCEDURE, CREATE QUEUE, CREATE RULE, CREATE SYNONYM, CREATE TABLE, CREATE TYPE, CREATE VIEW, CREATE XML SCHEMA COLLECTION, REFERENCES | Granted: VIEW ANY DATABASE |
| db\_denydatareader | Denied: SELECT | Granted: VIEW ANY DATABASE |
| db\_denydatawriter | Denied: DELETE, INSERT, UPDATE |  |
| db\_owner | Granted with GRANT option: CONTROL | Granted: VIEW ANY DATABASE |
| db\_securityadmin | Granted: ALTER ANY APPLICATION ROLE, ALTER ANY ROLE, CREATE SCHEMA, VIEW DEFINITION | Granted: VIEW ANY DATABASE |
| dbm\_monitor | Granted: VIEW most recent status in Database Mirroring Monitor | Granted: VIEW ANY DATABASE |