



This PC > Windows (C:) > data > primary >

	Name	Date modified	Type	Size
	diagnostic.data	07-02-2025 15:20	File folder	
	journal	07-02-2025 15:15	File folder	
	_mdb_catalog.wt	07-02-2025 15:15	WT File	20 KB
	collection-0--4427983457779654932.wt	07-02-2025 15:16	WT File	36 KB
	collection-2--4427983457779654932.wt	07-02-2025 15:15	WT File	4 KB
	collection-4--4427983457779654932.wt	07-02-2025 15:15	WT File	20 KB
	collection-6--4427983457779654932.wt	07-02-2025 15:15	WT File	20 KB
	collection-8--4427983457779654932.wt	07-02-2025 15:15	WT File	20 KB
	collection-10--4427983457779654932.wt	07-02-2025 15:15	WT File	20 KB
	index-1--4427983457779654932.wt	07-02-2025 15:16	WT File	36 KB
	index-3--4427983457779654932.wt	07-02-2025 15:12	WT File	4 KB
	index-5--4427983457779654932.wt	07-02-2025 15:12	WT File	20 KB
	index-7--4427983457779654932.wt	07-02-2025 15:12	WT File	20 KB
	index-9--4427983457779654932.wt	07-02-2025 15:15	WT File	20 KB
	index-11--4427983457779654932.wt	07-02-2025 15:12	WT File	20 KB
	mongod.lock	07-02-2025 15:15	LOCK File	1 KB
	sizeStorer.wt	07-02-2025 15:17	WT File	36 KB
	storage.bson	07-02-2025 15:08	BSON File	1 KB
	WiredTiger	07-02-2025 15:08	File	1 KB
	WiredTiger.lock	07-02-2025 15:08	LOCK File	1 KB
	WiredTiger.wt	07-02-2025 15:19	WT File	84 KB
	WiredTigerHS.wt	07-02-2025 15:15	WT File	4 KB
	WiredTiger.turtle	07-02-2025 15:19	TURTLE File	2 KB

mongod --port=2727 --dbpath="C:\data\secondary1" --replSet="text-replica-set"

```

Windows PowerShell
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PS C:\Users\Admin> mongod --port=2727 --dbpath="C:\data\secondary1" --replSet="text-replica-set"
{"t":{"$date":"2025-02-07T15:17:54.156+05:30"},"s":"I",  "c":"NETWORK",  "id":4915781, "ctx":"thread1","msg":"Initialized wire specification","attr":{"spec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":21},"incomingInternalClient":{"minWireVersion":0,"maxWireVersion":21},"isInternalClient":true}}}}
{"t":{"$date":"2025-02-07T15:17:55.297+05:30"},"s":"I",  "c":"CONTROL",  "id":22285,  "ctx":"thread1","msg":"Automatically disabling TLS 1.0, to force-enable TLS 1.0 specify --sslDisabledProtocols 'none'"}
{"t":{"$date":"2025-02-07T15:17:55.299+05:30"},"s":"I",  "c":"NETWORK",  "id":4648662, "ctx":"thread1","msg":"Implicit TCP FastOpen in use."}
{"t":{"$date":"2025-02-07T15:17:55.301+05:30"},"s":"I",  "c":"REPL",     "id":5123088, "ctx":"thread1","msg":"Successfully registered PrimaryOnlyService","attr":{"service":"TenantMigrationDonorService","namespace":"config.tenantMigrationDonors"}}
{"t":{"$date":"2025-02-07T15:17:55.301+05:30"},"s":"I",  "c":"REPL",     "id":5123088, "ctx":"thread1","msg":"Successfully registered PrimaryOnlyService","attr":{"service":"TenantMigrationRecipientService","namespace":"config.tenantMigrationRecipients"}}
{"t":{"$date":"2025-02-07T15:17:55.301+05:30"},"s":"I",  "c":"CONTROL",  "id":5945683, "ctx":"thread1","msg":"Multi threading initialized"}
{"t":{"$date":"2025-02-07T15:17:55.301+05:30"},"s":"I",  "c":"TENANT_M", "id":7891680, "ctx":"thread1","msg":"Starting TenantMigrationAccessBlockerRegistry"}
{"t":{"$date":"2025-02-07T15:17:55.302+05:30"},"s":"I",  "c":"CONTROL",  "id":4615611, "ctx":"initandlisten","msg":"MongoDB starting","attr":{"pid":3232,"port":2727,"dbPath":"C:/data/secondary1","architecture":"64-bit","host":"MUR2624COM15"}}
{"t":{"$date":"2025-02-07T15:17:55.302+05:30"},"s":"I",  "c":"CONTROL",  "id":32398,  "ctx":"initandlisten","msg":"Target operating system minimum version","attr":{"targetMinOS":"Windows 7/Windows Server 2008 R2"}}
{"t":{"$date":"2025-02-07T15:17:55.302+05:30"},"s":"I",  "c":"CONTROL",  "id":22403, "ctx":"initandlisten","msg":"Build Info","attr":{"buildInfo":{"version":"7.0.12","gitVersion":"b6513ce9781db6818e24619e8a461ae90bc94fc","modules":[],"allocator":"tcmalloc","environment":{"distmod":"windows","distarch":"x86_64","target_arch":"x86_64"}}}}
{"t":{"$date":"2025-02-07T15:17:55.302+05:30"},"s":"I",  "c":"CONTROL",  "id":51765,  "ctx":"initandlisten","msg":"Operating System","attr":{"os":{"name":"Microsoft Windows 10","version":"10.0 (build 22631)"}}}
{"t":{"$date":"2025-02-07T15:17:55.302+05:30"},"s":"I",  "c":"CONTROL",  "id":21951, "ctx":"initandlisten","msg":"Options set by command line","attr":{"options":{"net":{"port":2727},"replication":{"replSet":"text-replica-set"},"storage":{"dbPath":"C:/data/secondary1"}}}}
{"t":{"$date":"2025-02-07T15:17:55.304+05:30"},"s":"I",  "c":"STORAGE",  "id":22315, "ctx":"initandlisten","msg":"Opening WiredTiger","attr":{"config":{"create,cache_size=3018M,session_max=33000,eviction=(threads_min=4,threads_max=4),config_base=false,statistics=(fast),log(enabled=true,remove=true,path=journal,compressor=snappy),builtin_extension_config=(zstd(compression_level=6)),file_manager=(close_idle_time=600,close_scan_interval=10,close_handle_minimum=2000),statistics_log=(wait=0),json_output=(error,message),verbose=(recovery_progress:1,checkpoint_progress:1,compact_progress:1,backup:0,checkpoint:0,compact:0,eviction:0,historical_store:0,recovery:0,rtts:0,salvage:0,tiered:0,timestamp:0,transaction:0,verify:0,log:0,*)}}}}
{"t":{"$date":"2025-02-07T15:17:55.329+05:30"},"s":"I",  "c":"WIRECOV", "id":22430, "ctx":"initandlisten","msg":"WiredTiger message","attr":{"message":{"ts_sec":1738921675,"ts_usec":328628,"thread":3232:14 8728361363280,"session_name":"txn-recover","category":"WT_VERB_RECOVERY_PROGRESS","category_id":30,"verbose_level":"DEBUG_1","verbose_level_id":1,"msg":"recovery log replay has successfully finished and ran for 0 milliseconds"}}}}
{"t":{"$date":"2025-02-07T15:17:55.329+05:30"},"s":"I",  "c":"WIRECOV", "id":22430, "ctx":"initandlisten","msg":"WiredTiger message","attr":{"message":{"ts_sec":1738921675,"ts_usec":328628,"thread":3232:14 8728361363280,"session_name":"txn-recover","category":"WT_VERB_RECOVERY_PROGRESS","category_id":30,"verbose_level":"DEBUG_1","verbose_level_id":1,"msg":"Set global recovery timestamp: (0, 0)"}}}}
{"t":{"$date":"2025-02-07T15:17:55.329+05:30"},"s":"I",  "c":"WIRECOV", "id":22430, "ctx":"initandlisten","msg":"WiredTiger message","attr":{"message":{"ts_sec":1738921675,"ts_usec":329626,"thread":3232:14 8728361363280,"session_name":"txn-recover","category":"WT_VERB_RECOVERY_PROGRESS","category_id":30,"verbose_level":"DEBUG_1","verbose_level_id":1,"msg":"Set global oldest timestamp: (0, 0)"}}}}
{"t":{"$date":"2025-02-07T15:17:55.334+05:30"},"s":"I",  "c":"RECOVERY", "id":22987, "ctx":"initandlisten","msg":"WiredTiger recoveryTimestamp","attr":{"recoveryTimestamp":{"timestamp":{"ts":0,"is":0}}}}}
{"t":{"$date":"2025-02-07T15:17:55.344+05:30"},"s":"W",  "c":"CONTROL",  "id":22120, "ctx":"initandlisten","msg":"Access control is not enabled for the database. Read and write access to data and configuration is unrestricted","tags":["startupWarnings"]}

```

mongod --port=2737 --dbpath="C:\data\secondary2" --replSet="text-replica-set"

```
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PS C:\Users\Admin> mongod --port=2737 --dbpath="C:\data\secondary2" --replSet="text-replica-set"
{"t":{"$date":"2025-02-07T15:18:51.392+05:30"},"s":"I",  "c":"CONTROL",  "id":23285,   "ctx":"thread1", "msg":"Automatically disabling TLS 1.0, to force-enable TLS 1.0 specify --sslDisabledProtocols 'none'"},
{"t":{"$date":"2025-02-07T15:18:51.392+05:30"},"s":"I",  "c":"NETWORK",  "id":6015701, "ctx":"thread1", "msg":"Initialized wire specification"}, {"t":{"$date":"2025-02-07T15:18:51.392+05:30"},"s":"I",  "c":"NETWORK",  "id":4648602, "ctx":"thread1", "msg":"Implicit TCP FastOpen in use."}, {"t":{"$date":"2025-02-07T15:18:52.574+05:30"},"s":"I",  "c":"REPL",     "id":5123088, "ctx":"thread1", "msg":"Successfully registered PrimaryOnlyService", "attr":{"service":"TenantMigrationDonorService", "namespace":"config.tenantMigrationDonors"}}, {"t":{"$date":"2025-02-07T15:18:52.575+05:30"},"s":"I",  "c":"REPL",     "id":5123088, "ctx":"thread1", "msg":"Successfully registered PrimaryOnlyService", "attr":{"service":"TenantMigrationRecipientService", "namespace":"config.tenantMigrationRecipients"}}, {"t":{"$date":"2025-02-07T15:18:52.575+05:30"},"s":"I",  "c":"CONTROL",  "id":5945603, "ctx":"thread1", "msg":"Multi threading initialized"}, {"t":{"$date":"2025-02-07T15:18:52.575+05:30"},"s":"I",  "c":"TENANT_M",  "id":7091600, "ctx":"thread1", "msg":"Starting TenantMigrationAccessBlockerRegistry"}, {"t":{"$date":"2025-02-07T15:18:52.576+05:30"},"s":"I",  "c":"CONTROL",  "id":4615611, "ctx":"initandlisten", "msg":"MongoDB starting", "attr":{"pid":5072, "port":2737, "dbPath":"C:/data/secondary2", "architecture":"64-bit", "host":"MUM2024COM15"}}, {"t":{"$date":"2025-02-07T15:18:52.576+05:30"},"s":"I",  "c":"CONTROL",  "id":23398,   "ctx":"initandlisten", "msg":"Target operating system minimum version", "attr":{"targetMinOS":"Windows 7/Windows Server 2008 R2"}}, {"t":{"$date":"2025-02-07T15:18:52.576+05:30"},"s":"I",  "c":"CONTROL",  "id":23483,   "ctx":"initandlisten", "msg":"Build Info", "attr":{"buildInfo":{"version":"7.0.12", "gitVersion":"b6513ce0781db6818e24619e8a461eae90bc94fc", "modules":[], "allocator":"tcmalloc", "environment":{"distmod":"windows", "distarch":"x86_64", "target_arch":"x86_64"}}}}, {"t":{"$date":"2025-02-07T15:18:52.576+05:30"},"s":"I",  "c":"CONTROL",  "id":51765,   "ctx":"initandlisten", "msg":"Operating System", "attr":{"os":{"name":"Microsoft Windows 10", "version":"10.0 (build 22631)"}}, {"t":{"$date":"2025-02-07T15:18:52.577+05:30"},"s":"I",  "c":"CONTROL",  "id":21951,   "ctx":"initandlisten", "msg":"Options set by command line", "attr":{"options":{"net":{"port":2737}, "replication":{"replSet":"text-replica-set"}, "storage":{"dbPath":"C:/data/secondary2"}}}}, {"t":{"$date":"2025-02-07T15:18:52.579+05:30"},"s":"I",  "c":"STORAGE",  "id":22315,   "ctx":"initandlisten", "msg":"Opening WiredTiger", "attr":{"config":{"create,cache_size=34108,session_max=33000,evictions(threads_min=1,threads_max=0),config_base=false,statistics_log=(fast),log(enabled=true,remove=true,path=journal,compressor=snappy),builtin_extension_config=(stdc(compression_level=6)),file_manager(close_idle_timeout=60,close_scan_interval=10,close_handle_minimum=2000),statistics_log=(wait=0),json_output=(error,message),verbose(recovery_progress=1,checkpoint_progress=1,backup=0,compact=0,evict=0,history_store=0,recovery=0,rts=0,salvage=0,tiered=0,timestamp=0,transaction=0,verify=0,log=0)}}, {"t":{"$date":"2025-02-07T15:18:52.601+05:30"},"s":"I",  "c":"WTRECOV",  "id":22430,   "ctx":"initandlisten", "msg":"WiredTiger message", "attr":{"message":{"ts_sec":1738921732, "ts_usec":601222, "thread":"5072:14 0728361363280", "session_name":"txn-recover", "category":"WT_VERB_RECOVERY_PROGRESS", "category_id":30, "verbose_level":"DEBUG_1", "verbose_level_id":1, "msg":"recovery log replay has successfully finished and ran for 0 milliseconds}}}, {"t":{"$date":"2025-02-07T15:18:52.601+05:30"},"s":"I",  "c":"WTRECOV",  "id":22430,   "ctx":"initandlisten", "msg":"WiredTiger message", "attr":{"message":{"ts_sec":1738921732, "ts_usec":601222, "thread":"5072:14 0728361363280", "session_name":"txn-recover", "category":"WT_VERB_RECOVERY_PROGRESS", "category_id":30, "verbose_level":"DEBUG_1", "verbose_level_id":1, "msg":"Set global recovery timestamp: (0, 0)"}}, {"t":{"$date":"2025-02-07T15:18:52.601+05:30"},"s":"I",  "c":"WTRECOV",  "id":22430,   "ctx":"initandlisten", "msg":"WiredTiger message", "attr":{"message":{"ts_sec":1738921732, "ts_usec":601222, "thread":"5072:14 0728361363280", "session_name":"txn-recover", "category":"WT_VERB_RECOVERY_PROGRESS", "category_id":30, "verbose_level":"DEBUG_1", "verbose_level_id":1, "msg":"Set global oldest timestamp: (0, 0)"}}, {"t":{"$date":"2025-02-07T15:18:52.602+05:30"},"s":"I",  "c":"WTRECOV",  "id":22430,   "ctx":"initandlisten", "msg":"WiredTiger message", "attr":{"message":{"ts_sec":1738921732, "ts_usec":601222, "thread":"5072:14 0728361363280", "session_name":"txn-recover", "category":"WT_VERB_RECOVERY_PROGRESS", "category_id":30, "verbose_level":"DEBUG_1", "verbose_level_id":1, "msg":"recovery was completed successfully and took 0ms, including 0ms for the log replay, 0ms for the rollback to stable, and 0ms for the checkpoint.1}}}, {"t":{"$date":"2025-02-07T15:18:52.605+05:30"},"s":"I",  "c":"STORAGE",  "id":4959966, "ctx":"initandlisten", "msg":"WiredTiger opened", "attr":{"durationMillis":26}}, {"t":{"$date":"2025-02-07T15:18:52.605+05:30"},"s":"I",  "c":"RECOVERY",  "id":23987,   "ctx":"initandlisten", "msg":"WiredTiger recoveryTimestamp", "attr":{"recoveryTimestamp":{"timestamp":{"t":0, "i":0}}}}, {"t":{"$date":"2025-02-07T15:18:52.613+05:30"},"s":"I",  "c":"CONTROL",  "id":22120,   "ctx":"initandlisten", "msg":"Access control is not enabled for the database. Read and write access to data and configuration is unrestricted"}

```

## Initialization of primary server and adding secondary members to it

mongosh --host="localhost:2717"

```
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PS C:\Users\Admin> mongosh --host=localhost:2717
Current Mongosh Log ID: 67a5d7d1c9fc428484228f84
Connecting to:
  mongod://localhost:2717/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.2.15
Using MongoDB:
  7.0.12
Using Mongosh:
  2.2.15
mongosh 2.3.0 is available for download: https://www.mongodb.com/try/download/shell
For mongosh info see: https://docs.mongodb.com/mongosh-shell/

-----
The server generated these startup warnings when booting
2025-02-07T15:15:58.415+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
2025-02-07T15:15:58.416+05:30: This server is bound to localhost. Remote systems will be unable to connect to this server. Start the server with --bind_ip <address> to specify which IP addresses it should serve responses from, or with --bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable this warning
test>

```

rs.initiate();

```
test> rs.initiate();
{
  info2: 'no configuration specified. Using a default configuration for the set',
  me: 'localhost:2717',
  ok: 1
}
text-replica-set [direct: other] test> |

```

```
rs.add({host:"localhost:2727"});
```

```
text-replica-set [direct: other] test> rs.add({host:"localhost:2727"};
{
  ok: 1,
  '$clusterTime': {
    clusterTime: Timestamp({ t: 1738922151, i: 1 }),
    signature: {
      hash: Binary.createFromBase64('AAAAAAAAAAAAAAAAAAAAAAAAA=', 0),
      keyId: Long('0')
    }
  },
  operationTime: Timestamp({ t: 1738922151, i: 1 })
}
text-replica-set [direct: primary] test> |
```

```
rs.add({host:"localhost:2737"});
```

```
text-replica-set [direct: primary] test> rs.add({host:"localhost:2737"};
{
  ok: 1,
  '$clusterTime': {
    clusterTime: Timestamp({ t: 1738922266, i: 1 }),
    signature: {
      hash: Binary.createFromBase64('AAAAAAAAAAAAAAAAAAAAAAAAA=', 0),
      keyId: Long('0')
    }
  },
  operationTime: Timestamp({ t: 1738922266, i: 1 })
}
text-replica-set [direct: primary] test> |
```

```
rs.status();
```

```
text-replica-set [direct: primary] test> rs.status();
{
  set: 'text-replica-set',
  date: ISODate('2025-02-07T10:01:02.992Z'),
  myState: 1,
  term: Long('1'),
  syncSourceHost: '',
  syncSourceId: -1,
  heartbeatIntervalMillis: Long('2000'),
  majorityVoteCount: 2,
  writeMajorityCount: 2,
  votingMembersCount: 3,
  writableVotingMembersCount: 3,
  optimes: {
    lastCommittedOpTime: { ts: Timestamp({ t: 1738922458, i: 1 }), t: Long('1') },
    lastCommittedWallTime: ISODate('2025-02-07T10:00:58.632Z'),
    readConcernMajorityOpTime: { ts: Timestamp({ t: 1738922458, i: 1 }), t: Long('1') },
    appliedOpTime: { ts: Timestamp({ t: 1738922458, i: 1 }), t: Long('1') },
    durableOpTime: { ts: Timestamp({ t: 1738922458, i: 1 }), t: Long('1') },
    lastAppliedWallTime: ISODate('2025-02-07T10:00:58.632Z'),
    lastDurableWallTime: ISODate('2025-02-07T10:00:58.632Z')
  },
  lastStableRecoveryTimestamp: Timestamp({ t: 1738922399, i: 1 }),
  electionCandidateMetrics: {
    lastElectionReason: 'electionTimeout',
    lastElectionDate: ISODate('2025-02-07T09:54:08.920Z'),
    electionTerm: Long('1'),
    lastCommittedOpTimeAtElection: { ts: Timestamp({ t: 1738922048, i: 1 }), t: Long('-1') },
    lastSeenOpTimeAtElection: { ts: Timestamp({ t: 1738922048, i: 1 }), t: Long('-1') },
    numVotesNeeded: 1,
    priorityAtElection: 1,
    electionTimeoutMillis: Long('10000'),
    newTermStartDate: ISODate('2025-02-07T09:54:08.943Z'),
    wMajorityWriteAvailabilityDate: ISODate('2025-02-07T09:54:08.958Z')
  },
}
```

```

members: [
  {
    _id: 0,
    name: 'localhost:2717',
    health: 1,
    state: 1,
    stateStr: 'PRIMARY',
    uptime: 906,
    optime: { ts: Timestamp({ t: 1738922458, i: 1 }), t: Long('1') },
    optimeDate: ISODate('2025-02-07T10:00:58.000Z'),
    lastAppliedWallTime: ISODate('2025-02-07T10:00:58.632Z'),
    lastDurableWallTime: ISODate('2025-02-07T10:00:58.632Z'),
    syncSourceHost: '',
    syncSourceId: -1,
    infoMessage: '',
    electionTime: Timestamp({ t: 1738922048, i: 2 }),
    electionDate: ISODate('2025-02-07T09:54:08.000Z'),
    configVersion: 5,
    configTerm: 1,
    self: true,
    lastHeartbeatMessage: ''
  },
  {
    _id: 1,
    name: 'localhost:2727',
    health: 1,
    state: 2,
    stateStr: 'SECONDARY',
    uptime: 311,
    optime: { ts: Timestamp({ t: 1738922458, i: 1 }), t: Long('1') },
    optimeDurable: { ts: Timestamp({ t: 1738922458, i: 1 }), t: Long('1') },
    optimeDate: ISODate('2025-02-07T10:00:58.000Z'),
    optimeDurableDate: ISODate('2025-02-07T10:00:58.000Z'),
    lastAppliedWallTime: ISODate('2025-02-07T10:00:58.632Z'),
    lastDurableWallTime: ISODate('2025-02-07T10:00:58.632Z'),
    lastHeartbeat: ISODate('2025-02-07T10:01:01.870Z'),
    lastHeartbeatRecv: ISODate('2025-02-07T10:01:01.868Z'),
    pingMs: Long('0'),
    lastHeartbeatMessage: '',
    syncSourceHost: 'localhost:2717',
    syncSourceId: 0,
    infoMessage: '',
    configVersion: 5,
    configTerm: 1
  },
]

```

```

{
  _id: 2,
  name: 'localhost:2737',
  health: 1,
  state: 2,
  stateStr: 'SECONDARY',
  uptime: 196,
  optime: { ts: Timestamp({ t: 1738922458, i: 1 }), t: Long('1') },
  optimeDurable: { ts: Timestamp({ t: 1738922458, i: 1 }), t: Long('1') },
  optimeDate: ISODate('2025-02-07T10:00:58.000Z'),
  optimeDurableDate: ISODate('2025-02-07T10:00:58.000Z'),
  lastAppliedWallTime: ISODate('2025-02-07T10:00:58.632Z'),
  lastDurableWallTime: ISODate('2025-02-07T10:00:58.632Z'),
  lastHeartbeat: ISODate('2025-02-07T10:01:01.869Z'),
  lastHeartbeatRecv: ISODate('2025-02-07T10:01:01.835Z'),
  pingMs: Long('0'),
  lastHeartbeatMessage: '',
  syncSourceHost: 'localhost:2727',
  syncSourceId: 1,
  infoMessage: '',
  configVersion: 5,
  configTerm: 1
}
],
ok: 1,
'$clusterTime': {
  clusterTime: Timestamp({ t: 1738922458, i: 1 }),
  signature: {
    hash: Binary.createFromBase64('AAAAAAAAAAAAAAAAAAAAAA=', 0),
    keyId: Long('0')
  }
},
operationTime: Timestamp({ t: 1738922458, i: 1 })
}

```



mongosh --host="localhost:2727"

```

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PS C:\Users\Admin> mongosh --host="localhost:2727"
Current Mongosh Log ID: 67a5db9580a21b02b6228fb4
Connecting to:  mongod://localhost:2727/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.2.15
Using MongoDB:  7.0.12
Using Mongosh:  2.2.15
Mongosh 2.3.9 is available for download: https://www.mongodb.com/try/download/shell
For mongosh info see: https://docs.mongodb.com/mongosh-shell/

-----
The server generated these startup warnings when booting
2025-02-07T15:17:55.344+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
2025-02-07T15:17:55.344+05:30: This server is bound to localhost. Remote systems will be unable to connect to this server. Start the server with --bind_ip <address> to specify which IP addresses it should s
erve responses from, or with --bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable this warning
-----
text-replica-set [direct: secondary] test> |

```

mongosh --host="localhost:2737"

```

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PS C:\Users\Admin> mongosh --host="localhost:2737"
Current Mongosh Log ID: 67a5db9e2bbcb282a9228fb4
Connecting to:  mongod://localhost:2737/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.2.15
Using MongoDB:  7.0.12
Using Mongosh:  2.2.15
Mongosh 2.3.9 is available for download: https://www.mongodb.com/try/download/shell
For mongosh info see: https://docs.mongodb.com/mongosh-shell/

-----
The server generated these startup warnings when booting
2025-02-07T15:18:52.613+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
2025-02-07T15:18:52.614+05:30: This server is bound to localhost. Remote systems will be unable to connect to this server. Start the server with --bind_ip <address> to specify which IP addresses it should s
erve responses from, or with --bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable this warning
-----
text-replica-set [direct: secondary] test> |

```

Now, go to primary instance and type the following command  
show dbs;

```

text-replica-set [direct: primary] test> show dbs;
admin      80.00 KiB
config     212.00 KiB
local      436.00 KiB
text-replica-set [direct: primary] test> |

```

Go to secondary1 and type the same command  
show dbs;

```

text-replica-set [direct: secondary] test> show dbs;
admin      80.00 KiB
config     276.00 KiB
local      404.00 KiB
text-replica-set [direct: secondary] test> |

```

Go to secondary2 instance and type the same command  
show dbs;

```

text-replica-set [direct: secondary] test> show dbs;
admin      80.00 KiB
config     276.00 KiB
local      404.00 KiB
text-replica-set [direct: secondary] test> |

```

## Adding a database in primary server and creating a table with a record and using find()

use practice16

```
text-replica-set [direct: primary] test> use practice16
switched to db practice16
text-replica-set [direct: primary] practice16> |
```

db.users.insert({"name": "nida", "rollno": "L016"});

```
text-replica-set [direct: primary] practice16> db.users.insert({"name": "nida", "rollno": "L016"});
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('67a5ddb0c0fc424a84228fb5') }
}
text-replica-set [direct: primary] practice16> |
```

db.users.find();

```
text-replica-set [direct: primary] practice16> db.users.find();
[
  {
    _id: ObjectId('67a5ddb0c0fc424a84228fb5'),
    name: 'nida',
    rollno: 'L016'
  }
]
text-replica-set [direct: primary] practice16> |
```

Now, go to secondary1 server and type the following command

use practice16;

db.users.find();

```
text-replica-set [direct: secondary] test> use practice16;
switched to db practice16
text-replica-set [direct: secondary] practice16> db.users.find();
[
  {
    _id: ObjectId('67a5ddb0c0fc424a84228fb5'),
    name: 'nida',
    rollno: 'L016'
  }
]
text-replica-set [direct: secondary] practice16> |
```

Now, go to secondary2 server and type the following command

```
use practice16;
db.users.find();
```

```
text-replica-set [direct: secondary] test> use practice16;
switched to db practice16
text-replica-set [direct: secondary] practice16> db.users.find();
[
  {
    _id: ObjectId('67a5ddb0c0fc424a84228fb5'),
    name: 'nida',
    rollno: 'L016'
  }
]
text-replica-set [direct: secondary] practice16> |
```

Now, add more records in primary

```
db.users.insertMany([ { "name": "firdaus", "rollno": "L007" }, { "name": "sushmita", "rollno": "L032" }, { "name": "aamina", "rollno": "L033" } ]);
```

```
text-replica-set [direct: primary] practice16> db.users.insertMany([
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('67a5dfe8c0fc424a84228fb6'),
    '1': ObjectId('67a5dfe8c0fc424a84228fb7'),
    '2': ObjectId('67a5dfe8c0fc424a84228fb8')
  }
}
])
text-replica-set [direct: primary] practice16> |
```

Check if the records are visible in secondary1 and secondary2

```
text-replica-set [direct: secondary] practice16> db.users.find();
[
  {
    _id: ObjectId('67a5ddb0c0fc424a84228fb5'),
    name: 'nida',
    rollno: 'L016'
  },
  {
    _id: ObjectId('67a5dfe8c0fc424a84228fb8'),
    name: 'aamina',
    rollno: 'L033'
  },
  {
    _id: ObjectId('67a5dfe8c0fc424a84228fb6'),
    name: 'firdaus',
    rollno: 'L007'
  },
  {
    _id: ObjectId('67a5dfe8c0fc424a84228fb7'),
    name: 'sushmita',
    rollno: 'L032'
  }
]
text-replica-set [direct: secondary] practice16> |
```



## Update Command in primary server

```
db.users.updateOne({ name: "nida"}, {$set:{email: "khannida488@gmail.com"}});
db.users.find({name:"nida"});
```

```
text-replica-set [direct: primary] practice16> db.users.updateOne({name: "nida"}, {$set:{email: "khannida488@gmail.com"}});
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
text-replica-set [direct: primary] practice16> db.users.find({name:"nida"});
[
  {
    _id: ObjectId('67a5ddb0c0fc424a84228fb5'),
    name: 'nida',
    rollno: 'L016',
    email: 'khannida488@gmail.com'
  }
]
text-replica-set [direct: primary] practice16> |
```

Check if the update happened in secondary1 and secondary2

```
text-replica-set [direct: secondary] practice16> db.users.find({name:"nida"});
[
  {
    _id: ObjectId('67a5ddb0c0fc424a84228fb5'),
    name: 'nida',
    rollno: 'L016',
    email: 'khannida488@gmail.com'
  }
]
text-replica-set [direct: secondary] practice16> |
```

## Delete command in primary server

```
db.users.deleteOne({"name":"sushmita"});
db.users.find();
```

```
text-replica-set [direct: primary] practice16> db.users.deleteOne({"name":"sushmita"});
{ acknowledged: true, deletedCount: 1 }
text-replica-set [direct: primary] practice16> db.users.find();
[
  {
    _id: ObjectId('67a5ddb0c0fc424a84228fb5'),
    name: 'nida',
    rollno: 'L016',
    email: 'khannida488@gmail.com'
  },
  {
    _id: ObjectId('67a5dfe8c0fc424a84228fb6'),
    name: 'firdaus',
    rollno: 'L007'
  },
  {
    _id: ObjectId('67a5dfe8c0fc424a84228fb8'),
    name: 'aamina',
    rollno: 'L033'
  }
]
text-replica-set [direct: primary] practice16> |
```

Check if the delete command worked in secondary1 and secondary2

```
text-replica-set [direct: secondary] practice16> db.users.find();
[
  {
    _id: ObjectId('67a5ddb0c0fc424a84228fb5'),
    name: 'nida',
    rollno: 'L016',
    email: 'khannida488@gmail.com'
  },
  {
    _id: ObjectId('67a5dfe8c0fc424a84228fb8'),
    name: 'aamina',
    rollno: 'L033'
  },
  {
    _id: ObjectId('67a5dfe8c0fc424a84228fb6'),
    name: 'firdaus',
    rollno: 'L007'
  }
]
text-replica-set [direct: secondary] practice16> |
```

```
text-replica-set [direct: secondary] practice16> db.users.find();
[
  {
    _id: ObjectId('67a5ddb0c0fc424a84228fb5'),
    name: 'nida',
    rollno: 'L016',
    email: 'khannida488@gmail.com'
  },
  {
    _id: ObjectId('67a5dfe8c0fc424a84228fb8'),
    name: 'aamina',
    rollno: 'L033'
  },
  {
    _id: ObjectId('67a5dfe8c0fc424a84228fb6'),
    name: 'firdaus',
    rollno: 'L007'
  }
]
text-replica-set [direct: secondary] practice16> |
```