

## Query to view Availability Groups Read Only routing list

Posted On Jun 06, Posted by [SSTS](#) Category [Blog](#)

In order to take advantage of SQL Server Availability Groups Read Only functionality you need to setup a routing list. The query below displays the current state of Read Only routing in an Availability Group

### Query

```
SELECT ag.name AS availability_group_name,  
  
r.replica_server_name AS when_primary_replica_is,
```

rorl.routing\_priority,

r2.replica\_server\_name AS secondary\_replica\_name,

r2.secondary\_role\_allow\_connections\_desc AS  
read\_only\_replica\_secondary\_role\_allow\_connections\_desc,

r2.availability\_mode\_desc AS read\_only\_replica\_replica\_availability\_mode,

r2.failover\_mode\_desc AS read\_only\_replica\_replica\_failover\_mode,

r2.read\_only\_routing\_url AS replica\_read\_only\_routing\_url

FROM sys.availability\_groups ag

INNER JOIN sys.availability\_replicas r ON ag.group\_id = r.group\_id

LEFT OUTER JOIN sys.availability\_read\_only\_routing\_lists rorl ON r.replica\_id = rorl.replica\_id

LEFT OUTER JOIN sys.availability\_replicas r2 ON rorl.read\_only\_replica\_id = r2.replica\_id

ORDER BY ag.name, r.replica\_server\_name, rorl.routing\_priority

**And, here is an example of a simple configuration for Read Only Routing:**

```
ALTER AVAILABILITY GROUP [MY-AG]
```

```
MODIFY REPLICA ON
```

```
N'SERVER1' WITH
```

```
(SECONDARY_ROLE (READ_ONLY_ROUTING_URL = N'TCP://SERVER2:1433'));
```

```
ALTER AVAILABILITY GROUP [MY-AG]
```

```
MODIFY REPLICA ON
```

```
N'SERVER2' WITH
```

```
(SECONDARY_ROLE (READ_ONLY_ROUTING_URL = N'TCP://SERVER1:1433'));
```

```
-- SERVER1 is Primary
```

```
ALTER AVAILABILITY GROUP [MY-AG]
```

```
MODIFY REPLICA ON
```

```
N'SERVER1' WITH
```

```
(PRIMARY_ROLE (READ_ONLY_ROUTING_LIST=('SERVER2' , 'SERVER1')));
```

```
-- SERVER2 is primary
```

```
ALTER AVAILABILITY GROUP [MY-AG]
```

```
MODIFY REPLICA ON
```

```
N'SERVER2' WITH
```

```
(PRIMARY_ROLE (READ_ONLY_ROUTING_LIST=('SEREVR1', 'SERVER2')));
```

GO

Tags: Untagged