

Configuring Replication with AG's

- Does not support Peer-to-Peer Replication publishers or the distribution database
- Configure distribution on remote distributor
 - Add all AG replicas as publishers to distributor
- Configure publisher on original primary replica
- Configure remote distribution on all possible publishers
- Configure replica hosts as replication publishers
 - Add linked server to the distribution database server
- Redirect publication to AG Listener name with `sys.sp_redirect_publisher` in the distribution database
- Validate configuration in the distribution database using `sys.sp_validate_replica_hosts_as_publishers`
- Create/configure subscriptions

Replicated Database Consistency with AG's

- The log reader will not process log records that have not been hardened at all availability group secondary replicas by default to ensure that on failover, all rows replicated to a subscriber also are present at the new primary.
- When the publisher is configured with two replicas (one primary and one secondary) and a failure happens, if the original primary replica remains down, the logreader does not move forward until all secondary databases are brought back online or until the failed replica is removed from the availability group.
 - To allow the logreader to proceed, remove the original primary replica using `ALTER AVAILABILITY GROUP <group_name> REMOVE REPLICA`, then add a new secondary replica to return high availability or disaster recovery
- Trace flag 1448 - enable the log reader to move forward when asynchronous replicas have not acknowledged receipt of log record