

Can you explain, very simply, how SQL Server Availability Groups work?

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# What resources do we have?



Start with three windows servers, node 1

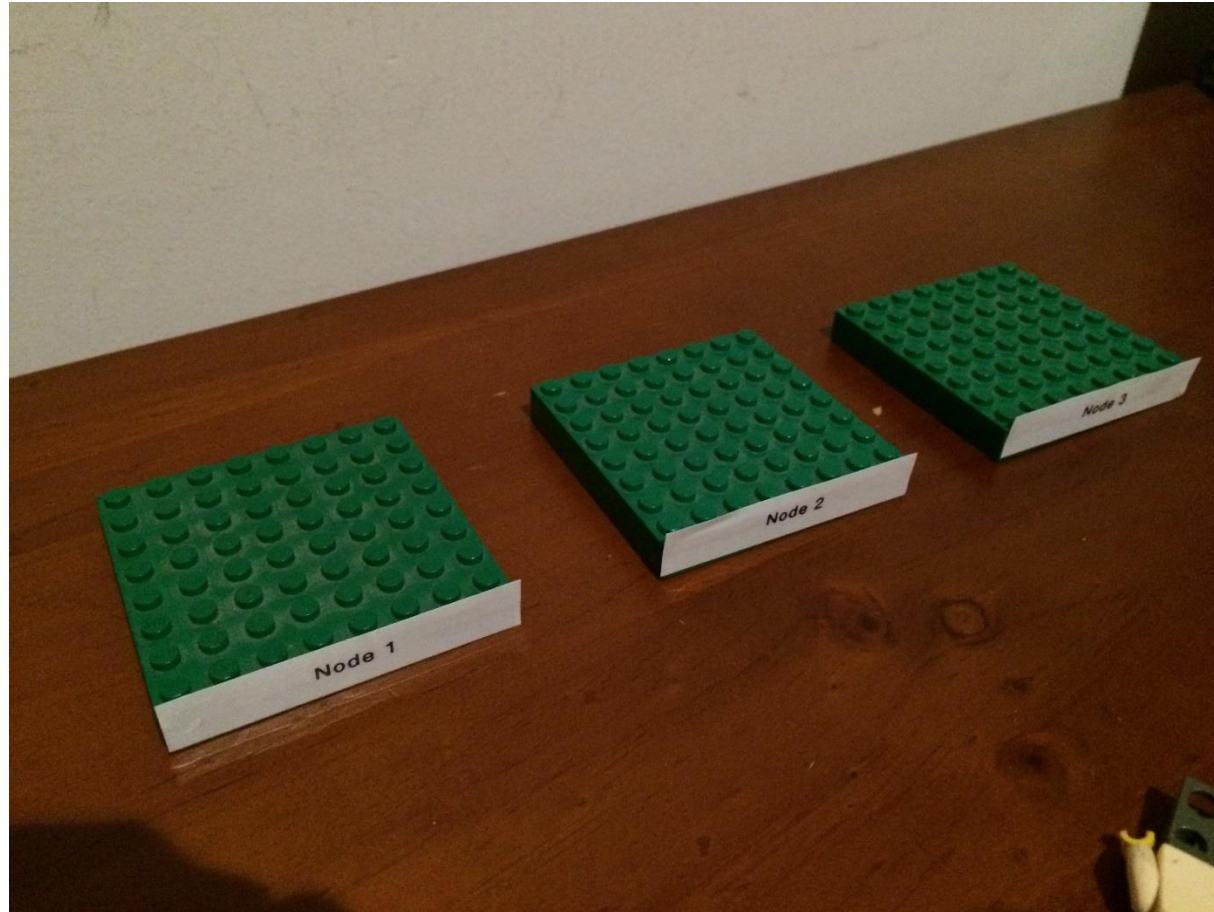


# Node 2

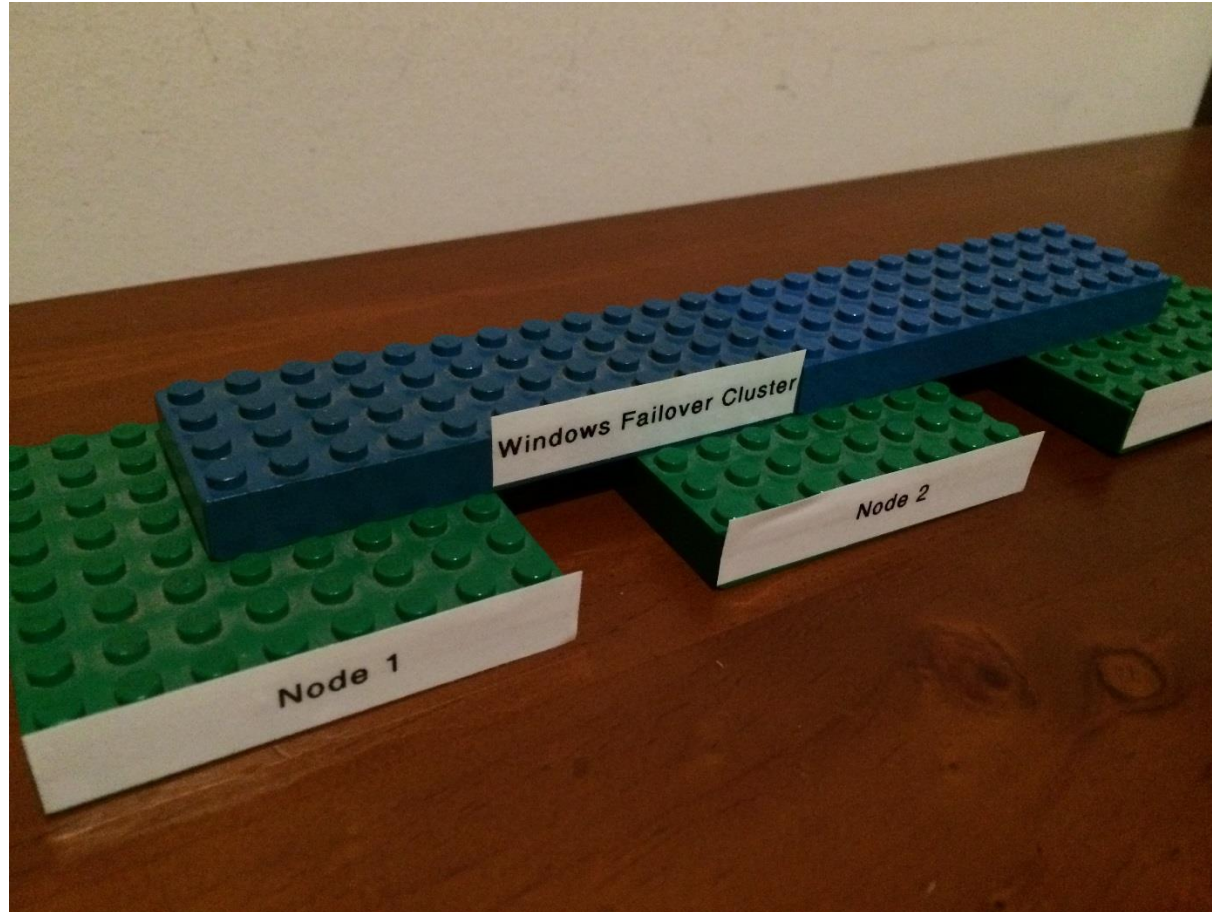




# Node 3



Now let's add windows clustering.



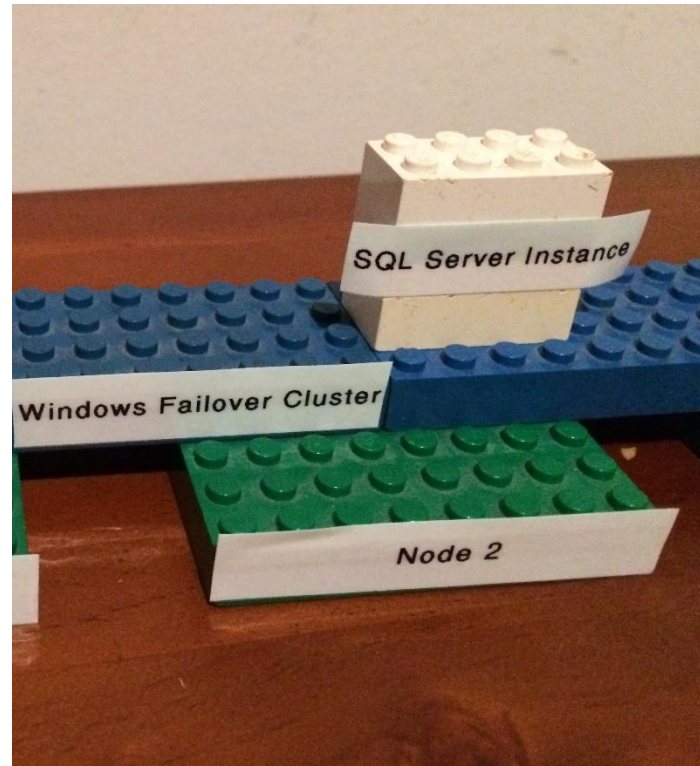
And install SQL Server on every node





# Node 2

(And configure clustering between 1 and 2)



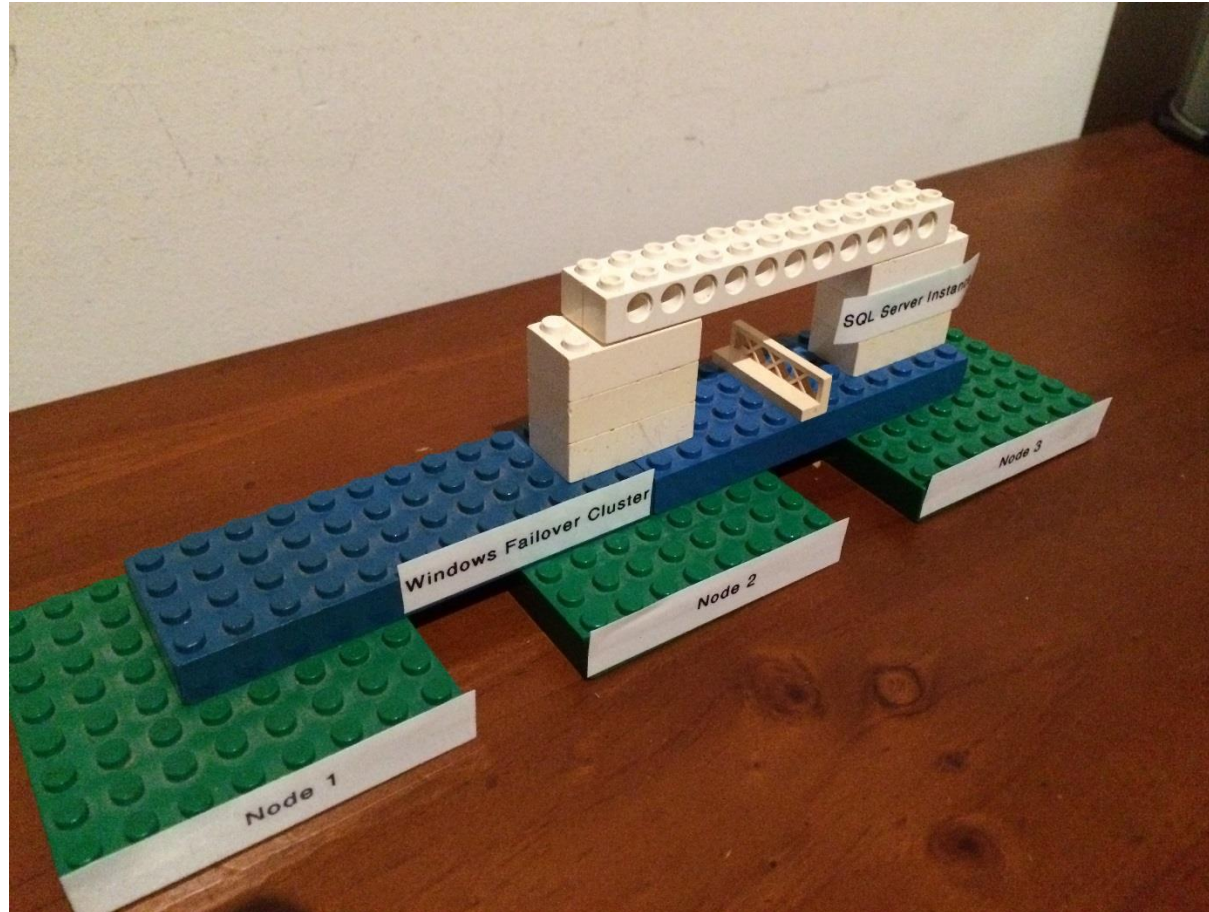


# And Node 3 (DR)

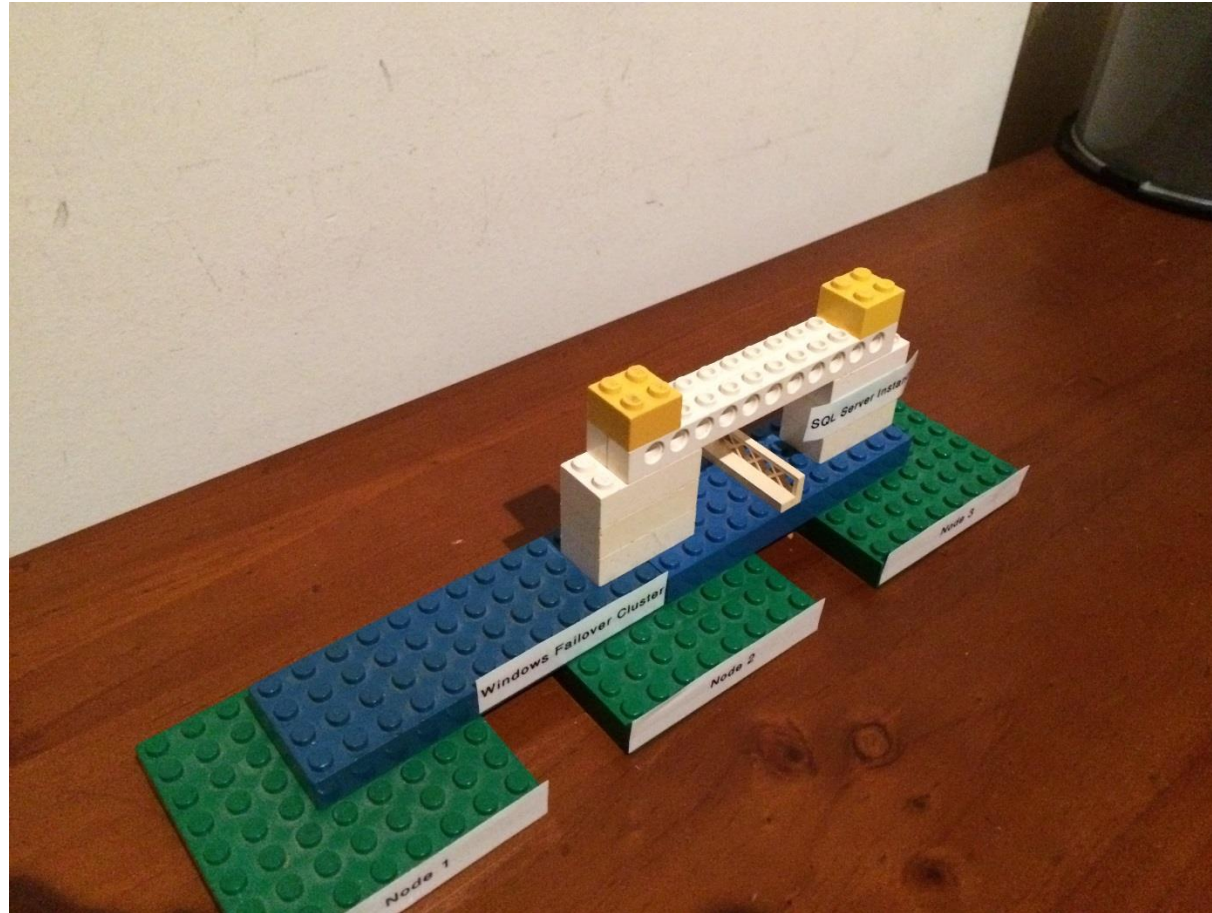
.....but lets stop the instance on node 3 getting anywhere.



Now let's configure an availability group between the two instances of SQL Server.

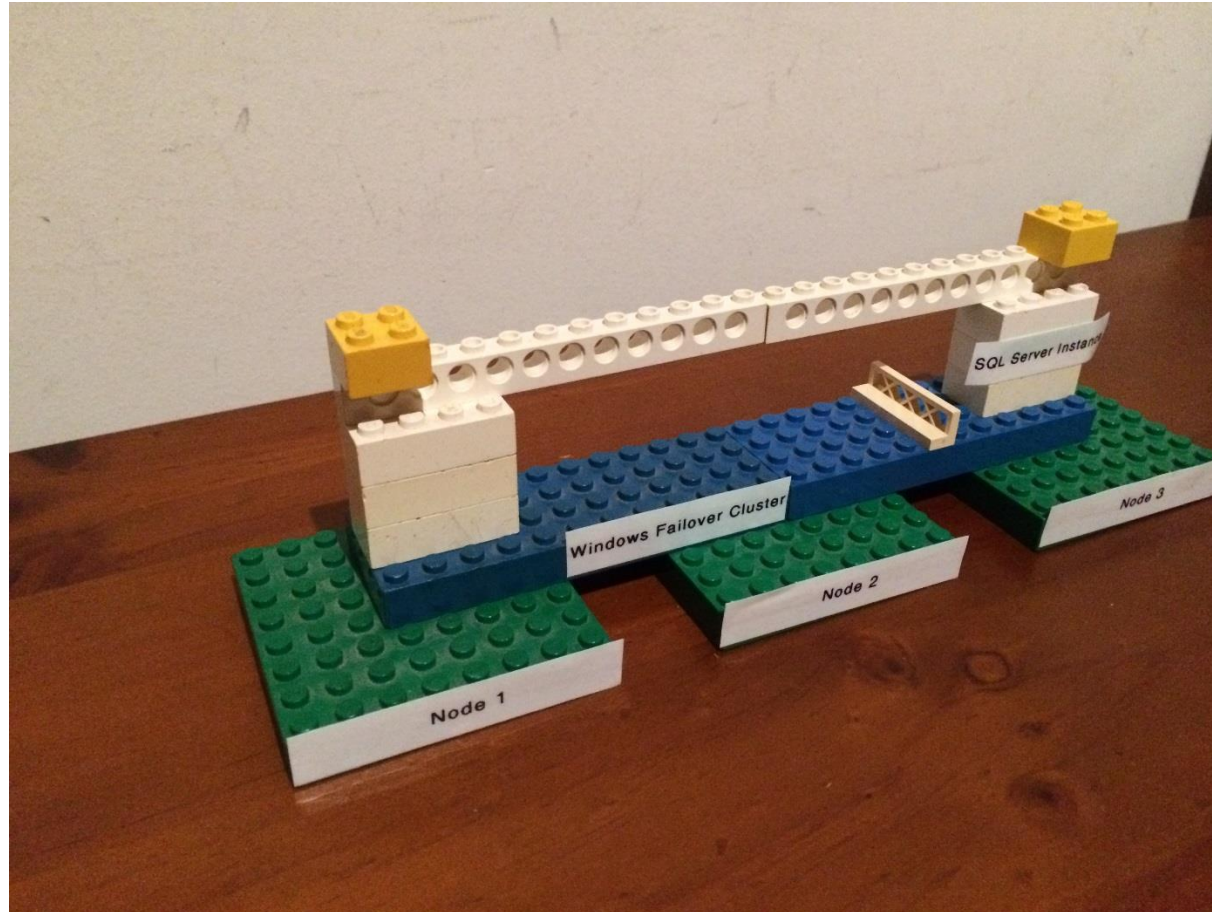


Let's enroll a database into the availability group and it replicates to DR.



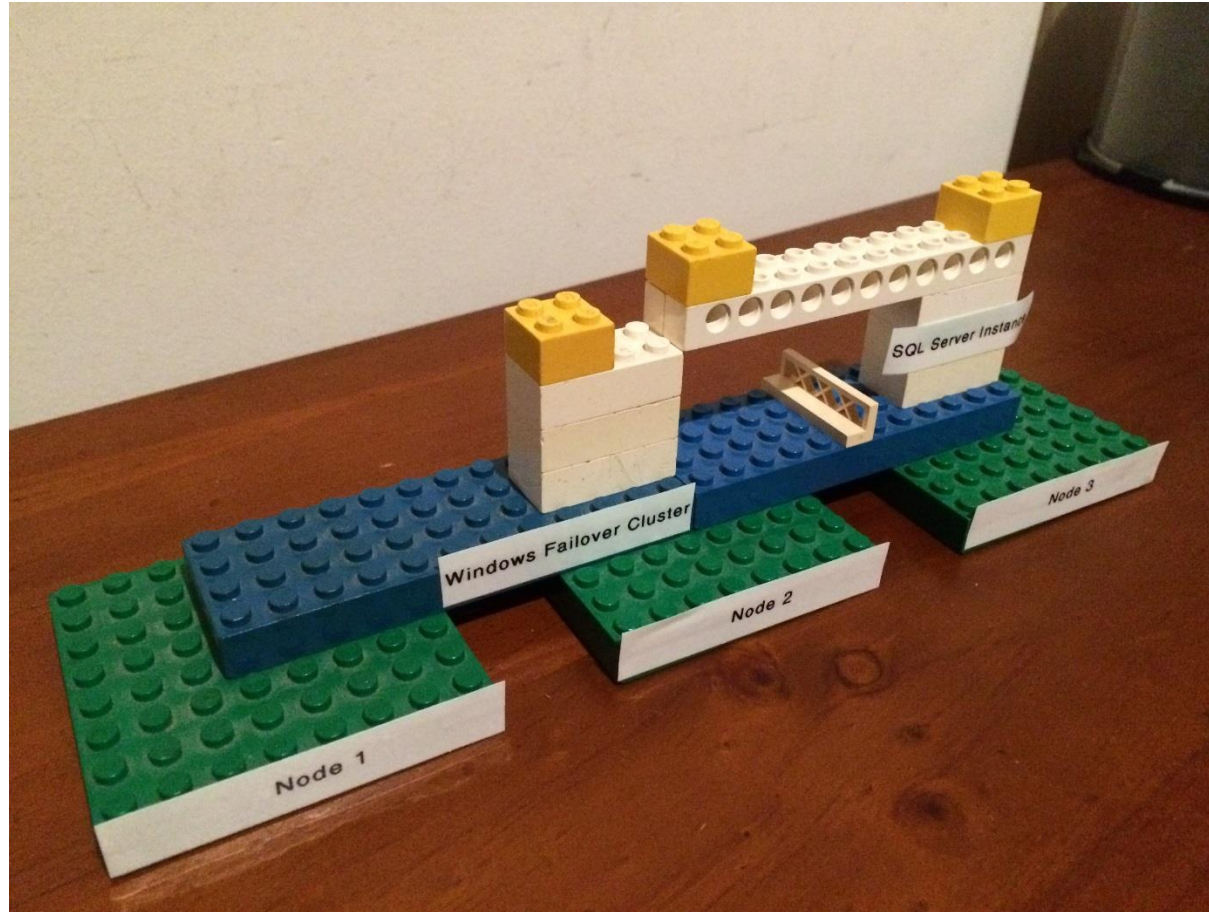


Let's check the database is still available when the instance failover from node 2 to node 1.





Let's show a database that is not in the availability group.



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When your part of the team!

