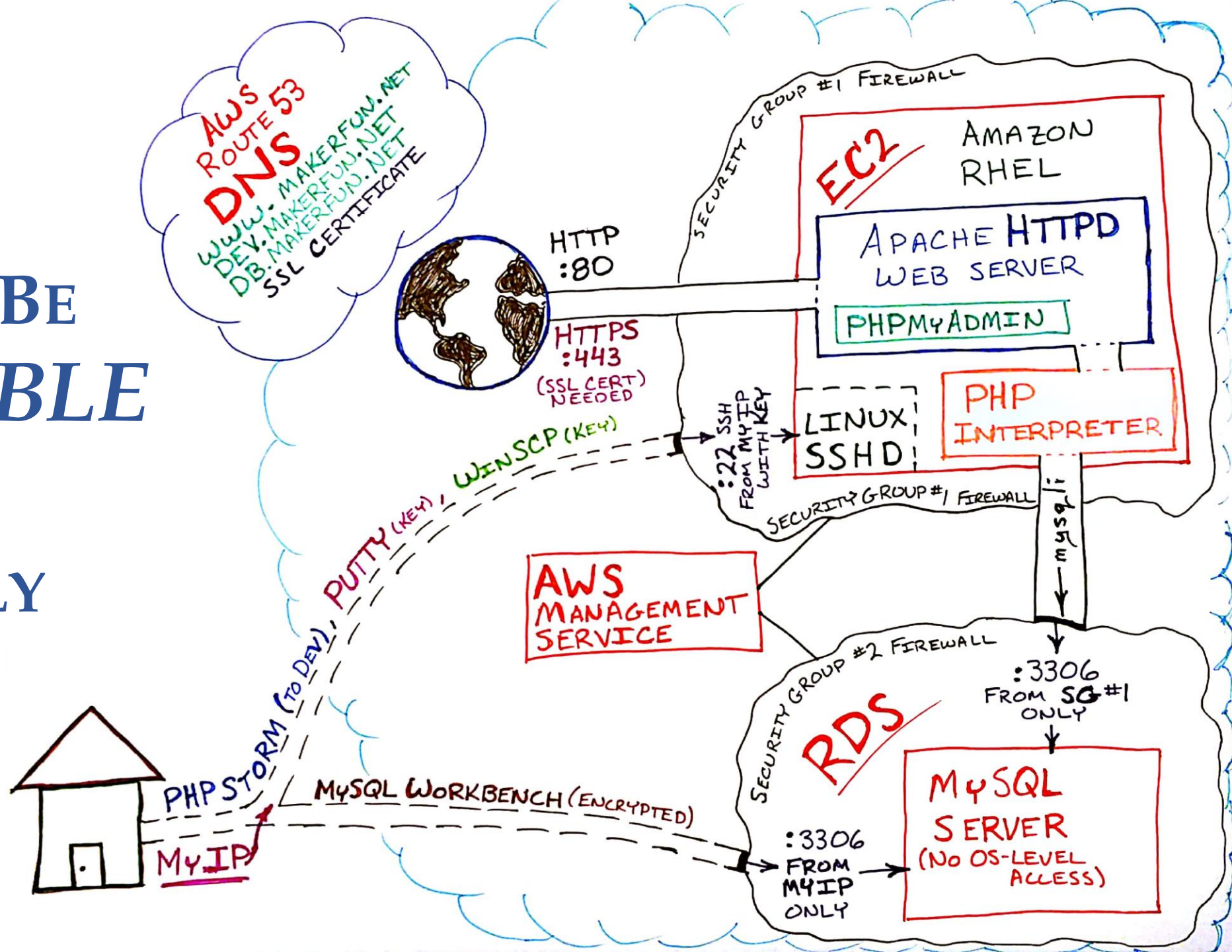
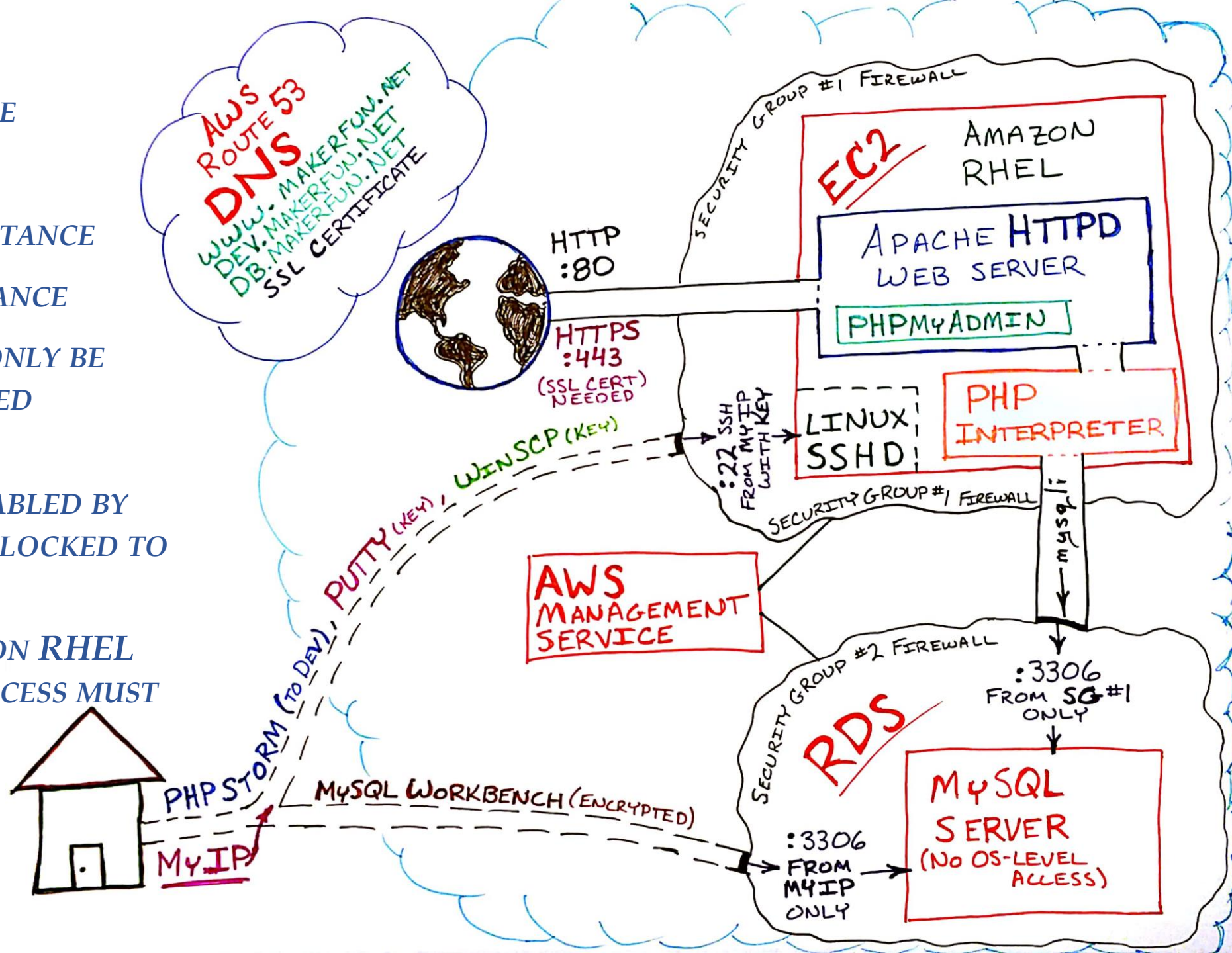


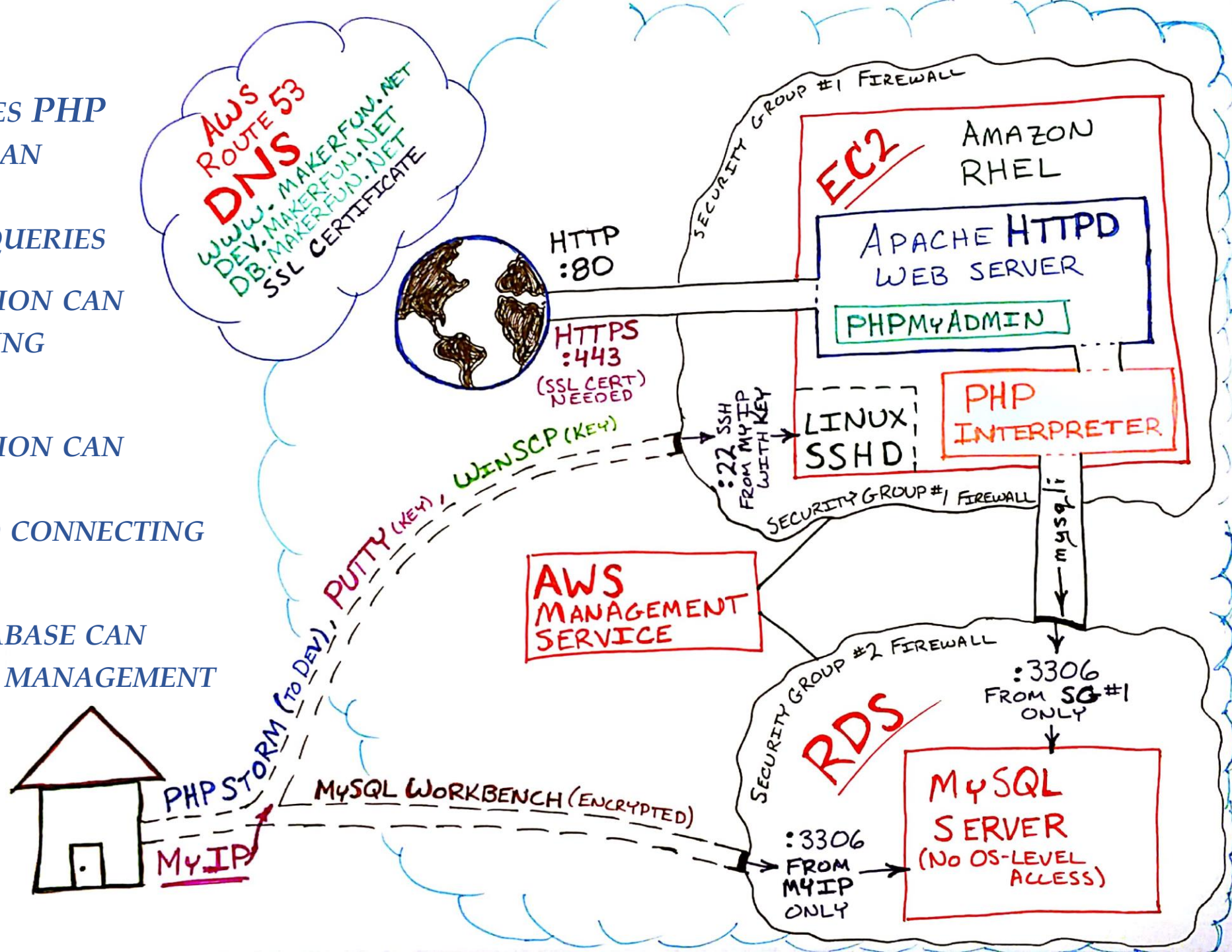
HOW CAN DATA BE ACCESSIBLE AND REASONABLY SAFE?



- ALMOST A LAMP STACK
- LAP WITH M ON THE SIDE
- WEB SERVER ON EC2 INSTANCE
- DATABASE ON RDS INSTANCE
- BY DEFAULT, DATA CAN ONLY BE ACCESSED FROM APPROVED SECURITY GROUP
- DATA ACCESS CAN BE ENABLED BY APPROPRIATE PORT AND LOCKED TO SPECIFIC IP ADDRESS
- EC2 COMES WITH AMAZON RHEL INSTALLED, TERMINAL ACCESS MUST USE ENCRYPTION KEYS



- APACHE WEB SERVER USES PHP INTERPRETER TO CREATE AN MYSQL CONNECTION TO DATABASE FOR SQL QUERIES
- DATABASE ADMINISTRATION CAN BE DONE ON THE WEB USING PHPMYADMIN
- DATABASE ADMINISTRATION CAN ALSO BE DONE BY USING MYSQLWORKBENCH AND CONNECTING FROM OUTSIDE AMAZON
- SNAPSHOTS OF THE DATABASE CAN BE SAVED BY USING AWS MANAGEMENT



- PHPSTORM CAN BE CONNECTED DIRECTLY TO LINUX SERVER WITH AMAZON KEYS SO PAGE CODE CHANGES CAN BE TESTED IMMEDIATELY
- FILE TRANSFER CAN BE DONE WITH SFTP CLIENT WINSCP USING KEYS
- SSL CERTIFICATES TO ALLOW HTTPS CANNOT BE GENERATED UNTIL A DOMAIN NAME HAS BEEN REGISTERED – CANNOT BE LINKED TO IP ADDRESS

