**STARTING AND SHUTDOWN PROCEDURE IN**

**STARTING DOWN SERVERS**

**PRESENTATION-CLIENT MACHINE -**

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| INPUT/OUTPUT DEVICES |
| CPU-4GHZ |
| MEMORY -4GB |
| INTERNAL DISKS –STORAGE  SIM TOOLKIT  MPESA APP (FRONTEND) |
| OS-PRIMARY DISK |
| NETWORK PORT-IP ADDRESS |
| PERIPHERAL DEVICES |

**SERVER 1-APPLICATION-BACK END-MPESA APPLICATION –STOP –ALL USERS ARE LOGGED OFF**

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| INPUT/OUTPUT DEVICES |
| CPU- 4 SET 1000 GHZ FAIL OVER |
| MEMORY- 2000GB (10 SET)-CHIPS FAULTY CHIP COMPAQ TRU 64 UNIX -SLA – BATCHES- STOCK ITEMS |
| INTERNAL DISKS (4 DISK) 200GB  MPESA APPLICATION |
| OS-PRIMARY DISK(C,ROOT) |
| NETWORK PORT-IP ADDRESS |
| PERIPHERAL DEVICES |

**SERVER 2-DATABASE -BACK END MPESA ORACLE /MS-SQL/DB2/SYSBASE SHUT DOWN DATABASE, SHUTDWON SERVER –OS –START DATABASE**

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| INPUT/OUTPUT DEVICES/TERMINAL |
| CPU 4 SET 1000 GHZ |
| MEMORY-CORRECT –BOOT ING |
| INTERNAL DISKS  (DBMS SOFTWARE-MS-SQL 10)  CREATE DATABAEE LINK |
| OS –PRIMARY DISK |
| NETWORK PORT-IP ADDRESS |
| PERIPHERAL DEVICES |

**EVA STORAGE AREA (ARRAY OF DISKS) DATA IS THE MOST IMPORTANT ASSET)**

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| NETWORK PORT- CABLE LINK TO DB SERVER |
| DISK 1-100GB FAIL – HOT SWAPPABLE LED AMBER RED GREEN /YELLOW WARNING ALERT LOG FILES –PLUG IT – RE-BUILDING |
| DISK 2 100GB- DATA |
| DISK 3 100GB DATA |
| DISK 4 100GB DATA |
| DISK 5 100GB REDO LOGS |
| DISK 6 100GB REDO LOGS |
| DISK 7 100GB REDO LOGS |
| DISK 8 100GB DATA |
| DISK 9 100GB DATA |
| DISK 10 100GB ARCHIVE |
| DISK 11 100GB |
| DISK 12 100GB |
| ……. 100GB |
| DISK N 100GB |

RAID 5- REDUNDANT ARRAY OF INDEPENDEPENT DISKS DISK 1 2 6 8 DISK 3 4 9 12 BACK UP RECOVERY

START NETWORK NORMAL BOOT 5- 10 MINUTES = LED

FIRE PROTECTING

AIR CO

SHUTDOWN SERVER UPS- GREEN OR CLEAN

MAIN