5. Can the RAIDA Agent contact the Mirror AGENT/Server?

Primary RAIDA

1. Program Starts and greets the user and welcome them to the RAIDA Agent.
2. Reads the config file to know if it is in Primary, Mirror or Witness.
3. Reads the key file and puts 10,000 keys into the RAM.
4. Reads the IP address files to put the IP and Port Numbers into RAM.

NO YES

1. Inspect the data files and find the day and time of the latest changes
2. Request Sync from Mirror RAIDA Agent
3. Call Mirror Report Changes Service and Mirror GET Page Service
4. Start Primary RAIDA Server (if not started)
5. If Server already running, then kill the program, unbind the socket, and then restart the program
6. Start Primary RAIDA Server (if not started)
7. If Server already started, then do nothing

* Keep checking at regular interval(1 min.) if Primary RAIDA Server is running
* If the server is not running, repeat from Step 5.
* Start Primary Report Changes service and Answer requests from Mirror Agent
* Start Primary GET Page service and answer request from Mirror Agent

Mirror RAIDA

1. Program Starts and greets the user and welcome them to the RAIDA Agent.
2. Reads the config file to know if it is in Primary, Mirror or Witness.
3. Reads the key file and puts 10,000 keys into the RAM.
4. Reads the IP address files to put the IP and Port Numbers into RAM.

5. Can the RAIDA Agent contact the Primary AGENT/Server?

Yes NO

1. Inspect the data files and find the day and time of the latest changes
2. Request Sync from Primary RAIDA Agent
3. Call Primary Report Changes and Primary GET Page Service
4. Start Mirror RAIDA Server (if not started)
5. If Server already running, then kill the program, unbind the socket, and then restart the program

11. Can RAIDA Agent contact the Witness Agent? (Yes) (No?)

12. Does Witness tell it to be Primary?

Yes NO

15. Repeat steps 5, 11, 12

13. Call “Become Primary” Service from RAIDA Agent

14. Start Primary RAIDA server and answer requests

16. Contact the Primary Agent/Server at regular interval (1 min.)

17. If gets a response, Call Become Mirror Service from RAIDA Agent

18. Repeat steps 5, 7 - 10

* Keep checking at regular interval (1 min.) if Mirror RAIDA Server is running
* If the server is not running, repeat from Step 5.