# Akashic Observation Node Setup Manual

Node Requirements  
  
1. Hardware Requirements  
  
 1.1 Node Specifications  
 - Node Type: Full Node  
 - CPU: 4 CPUs  
 - Memory (GB): 12 GB  
 - Data Disk (GB): 300+ GB Data Disk  
  
 1.2 Network Requirements  
 - Node Type: Validator Node  
 - Port: 26656 (TCP), must be public.  
 - CometBFT: Port 26657 (TCP), optional.  
 - EVM RPC - HTTP: Port 8545 (TCP), optional.  
 - EVM RPC - WSS: Port 8546 (TCP), optional.  
 - Cosmos RPC: Port 1317 (TCP), optional.  
  
 1.3 Operating System  
 - Ubuntu Server 24.04 LTS (x86\_64)  
  
Observation Node Process  
  
1. Create User   
2. Create Working Directory   
3. Download `akashicored`   
4. Initialize Data   
5. Download and Modify Configuration Files   
6. Set File and Process Limits   
7. Configure Auto-Start Service   
8. Synchronize Akashic Network Data   
9. Monitor Network Health Status   
10. Manual Upgrades of the Akashic Network