ACL PERMISSIONS

# Abstract

In this document we will go through each non-view function in following contracts and will see if that function need access control and if it has it or not.

1. JobManager.sol
2. BlockManager.sol
3. VoteManager.sol
4. StakeManager.sol

# Access Types

|  |  |
| --- | --- |
| Node | Anyone | Not differentiated on msg.sender |
| Particular Node | Anyone | Differentiated on msg.sender |
| Client | Anyone |
| Internal | Only Parent and Inherited contract |
| Contract Address | J - JobManager.sol  B - BlockManager.sol  V - VoteManager.sol  S - StakeManager.sol |

# Contracts

JobManager.sol

|  |  |  |
| --- | --- | --- |
| Function | Access | Comments |
| createJob | Client |  |
| fulfillJob | Contract Address - B |  |

BlockManager.sol

|  |  |  |
| --- | --- | --- |
| Function | Access | Comments |
| propose | Particular Node |  |
| giveSorted | Particular Node |  |
| resetDispute | Particular Node |  |
| confirmBlock | Contract Address - V |  |
| \_insertAppropriately | Internal |  |

*# Node can call \_insertAppropriately indirectly only, as it is internal function and wrapped in propose.*  
  
VoteManager.sol

|  |  |  |
| --- | --- | --- |
| Function | Access | Comments |
| commit | Particular Node |  |
| reveal | Node |  |

StakeManager.sol  
  
// Functionality can be added, will discuss in scrum

|  |  |  |
| --- | --- | --- |
| Function | Role | Comments |
| setStakerStake | Contract Address - B |  |
| setStakerEpochLastRevealed | Contract Address - V |  |
| updateCommitmentEpoch | Contract Address - V |  |
| stake | Particular Node |  |
| unstake | Particular Node |  |
| withdraw | Particular Node |  |
| givePenalties | Internal |  |
| giveBlockReward | Contract Address - B |  |
| giveRewards | Contract Address - V |  |
| slash | Contract Address - V |  |