

// Item MetaData struct

```
struct ItemMetaData {  
    address publisher;  
    uint256 itemPrice;  
    string itemLoc;  
    string itemSize;  
    string itemType;  
    uint256 itemDuration;  
    uint256 itemCreateTime;  
    bytes32 itemHash;  
    bytes32[] cosigners;    // witness  
    bool isRegistered;  
}
```

// Channel struct

```
struct Channel{  
    address publisher;  
    address consumer;  
    uint256 deposit;  
    uint256 duration;  
    uint256 CreateTime;  
    uint256 ItemSerial;  
    bytes32 consumerSideitemHash;  
    uint256 tempBalanceProof;  
    bytes32 encryptionKey;  
    uint256 state;  
    bool isRegistered;  
}
```