



Task  
publisher

Training  
node

Validation  
node

Blockchain &  
Smart Contract

1. Publish task

2 Training node  
registration and election

3 Validation node  
registration and election

4. Train local model  
and upload parameters

4.1 Parameter  
acquisition and validation

4.2 Update the reputation  
of the training node

5. Parameter  
aggregation and distribution

...

6. Loop steps 4-6

...

7.1 Distribute the rewards

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7.2 Return model