```python
class ActorWorker(3DParallelWorker):
    # An example of distributed computation function
    @register(transfer_mode=3D_PROTO)
    def update_actor(self, prompts: DataProto):
        ...
# Allocate devices for a ResourcePool
resource_pool = ResourcePool([n_gpus_per_machine] * n_machines)
# Map the model to allocated devices and init model
actor_model = ActorWorker(actor_config, resource_pool)
```


(a) Actor model initialization

(b) Data resharding and asynchronous execution