RPC Architecture Using RabbitMQ

N >>> M >>> Qworker-1 worker-M Workers bind a worker queue to rpc service - 1 this exchange rpc_find - 1 to receive work from rpc_worker_exchange the 'rpc_service' rpc client - 1 rpc_nameservice - 1 (topic) 'rpc_service' publishes to this exchange to create 'rpc client' binds a work for the workers short-lived reply queue to this 'rabbitmq-server' rpc_find - 2 exchange and uses this exchange to publish a request to rpc_client - 2 the 'rpc server' and receive a sucess/ failure response from the 'rpc server' rpc_exchange (topic) rpc_find - 3 'rpc find' binds a 'rpc service' binds long short-lived reply lived queues (for all rpc_client - 3 topics it knows about) to queue to this exchange to receive this exchange to receive the identity of the requests from the server that can 'rpc client' handle the request from the 'rpc nameservice' 'rpc nameservice' binds to this exchange to worker-M worker-1 subscribe to messages rpc_nameservice_exchange published by 'rpc find' (pub-sub) rpc_find - N rpc_service - P 'rpc find' uses this rpc_client - N exchange to publish a request to all rpc_nameservice - Q subscribed 'rpc_nameservice'