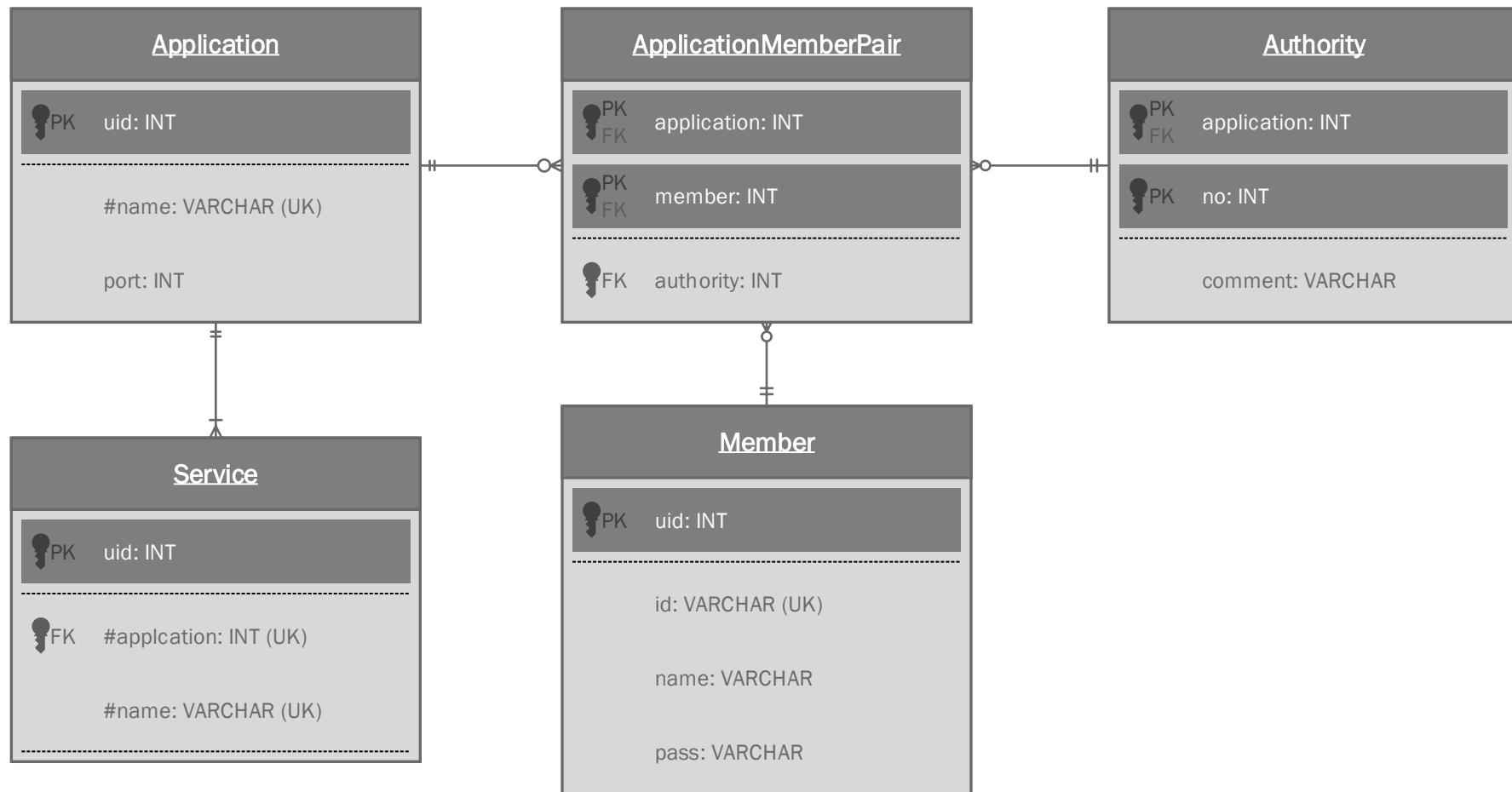
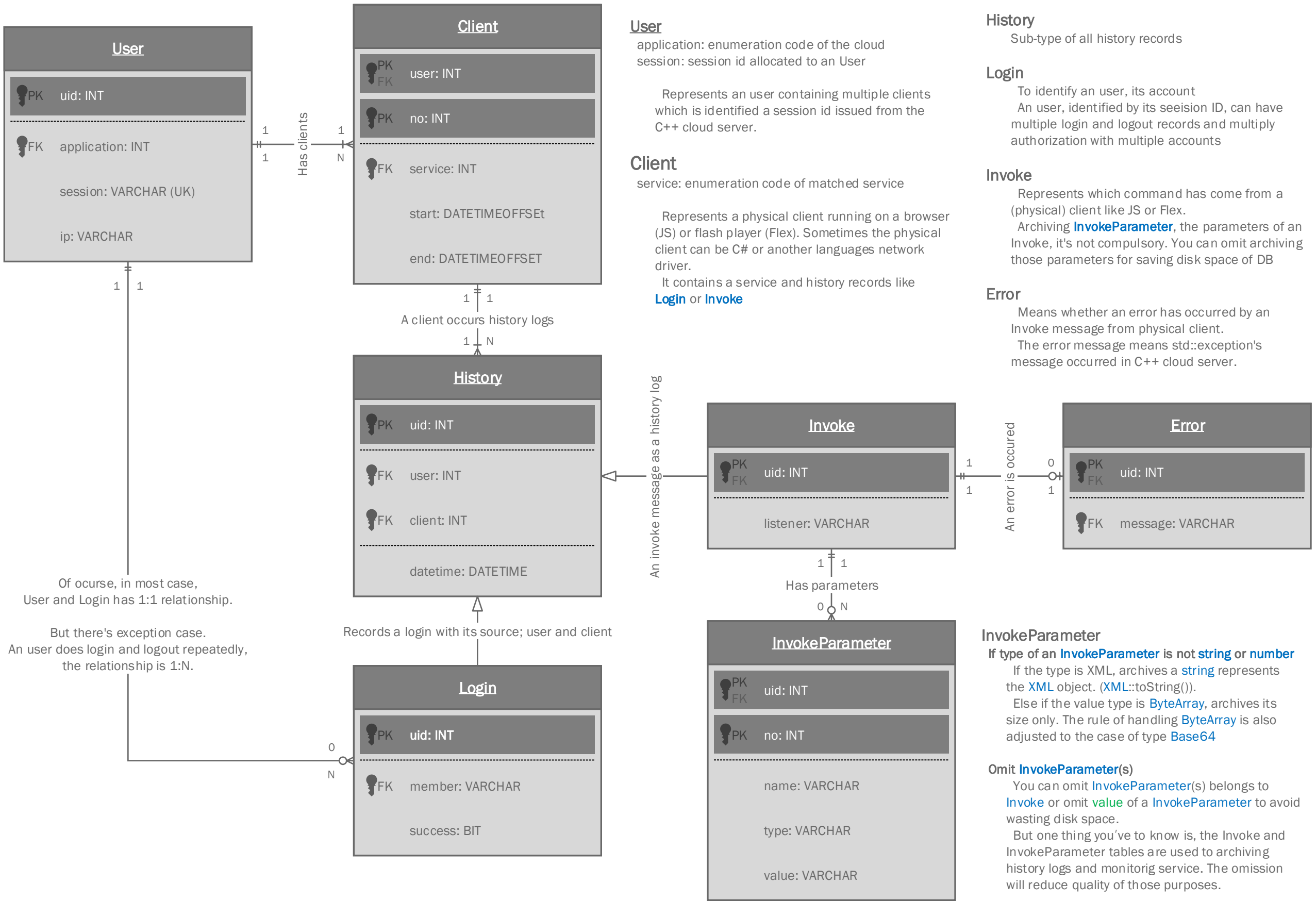


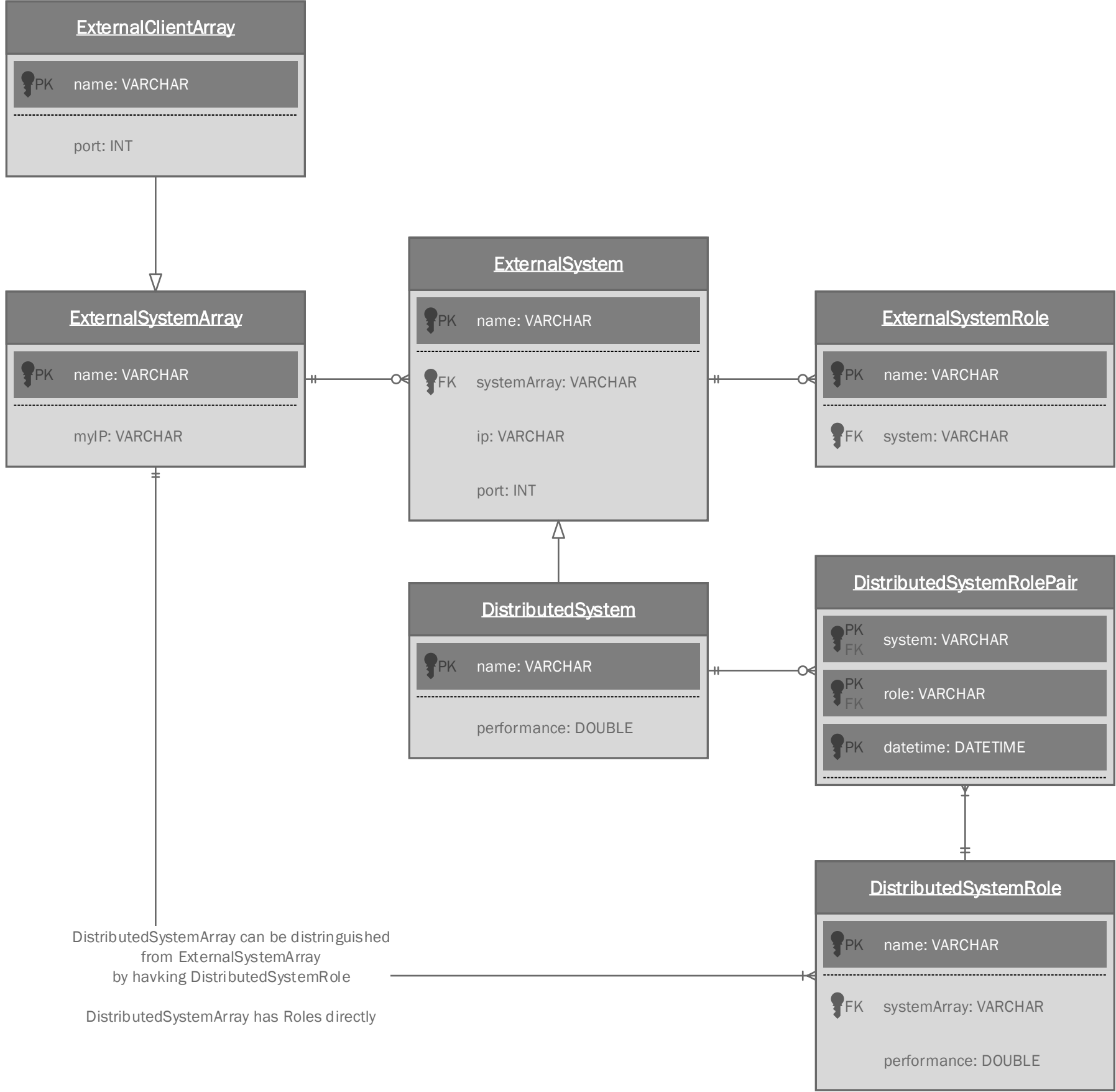
Entity Relationship Diagram

1. Application
2. History Log
3. External System
4. File & Nam-Tree

Application package







ExternalSystemArray

name: A name can represents and ensure uniqueness
myIP: An specialized IP address of my system.

How to distinguish

ExternalServerArray
ExternalSystemArray
Doesn't need any specialized table.
ExternalClientArray
ExternalSystemArray + **ExternalClientArray**

ExtenalSystem

name: A name can represents and ensure uniqueness
ip: IP address of the external system
port: Port number of the external system

How to Distinguish

ExternalServer
systemArray does not exist in **ExternalClientArray**
ExternalClient
systemArray exists in **ExternalClientArray**

DistributedSystem

Performance: A performance index.
The performance index changes and evolves elapsed time of handling requested processes.

How to Distinguish

DistributedSystemArray from **ExternalSystemArray**
i) Whether has **DistributedSystemRole**(s) or not.
li) Whether children system is **DistributedSystem** or not.
ParallelSystemArray from **DistributedSystemArray**
Children **DistributedSystem**(s) are found, but any related record of **DistributedSystemRole** is not found.
ParallelSystem from **DistributedSystem**
Cannot find any related record of **DistributedSystemRole**

DistributedSystemRole

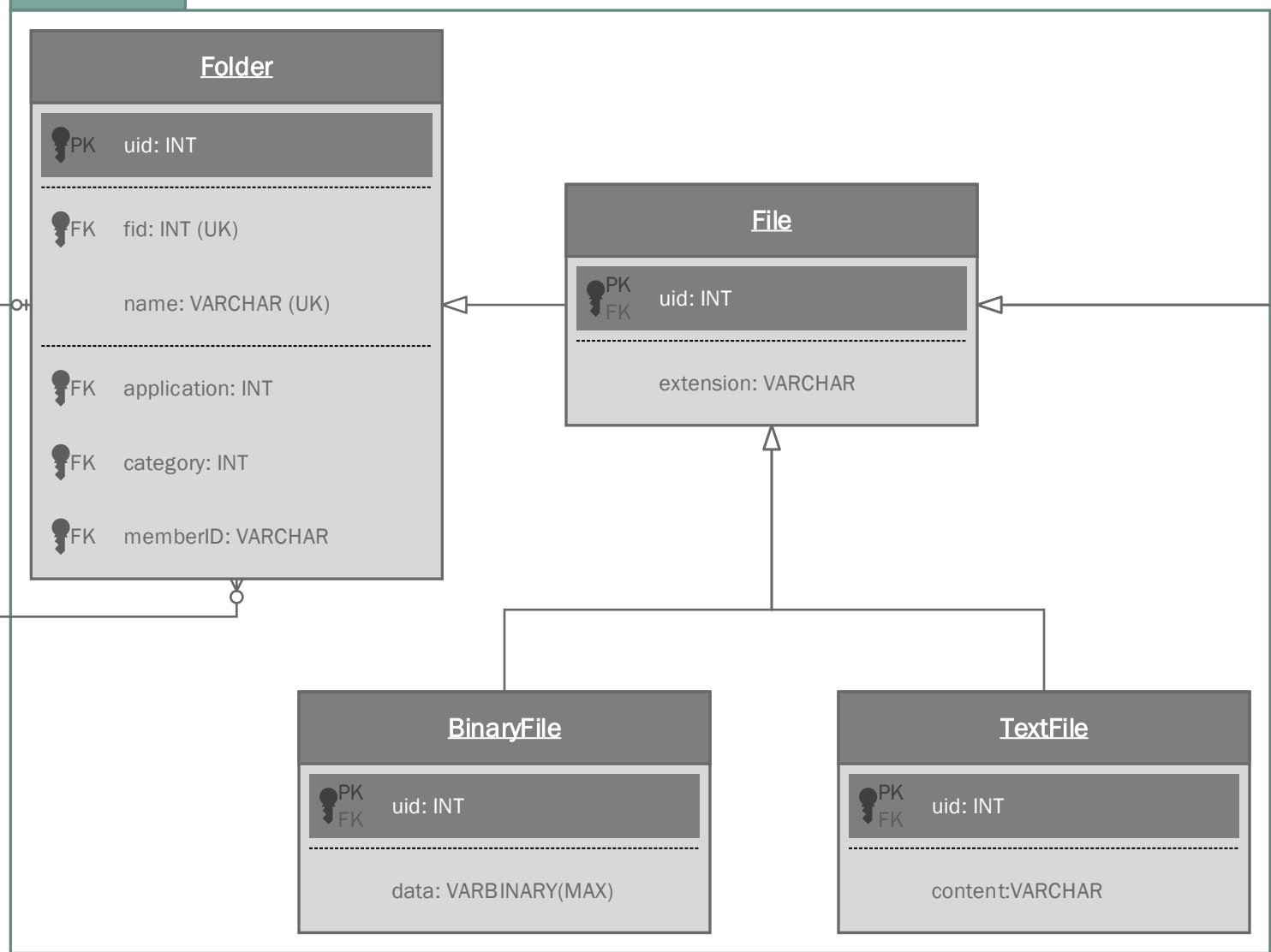
name A name can represent a role of a distributed processing system
Performance: An index of required performance.
The index changes and evoloves by elapsed time of handling requested processes which are defined in the role

DistributedSystemRolePair

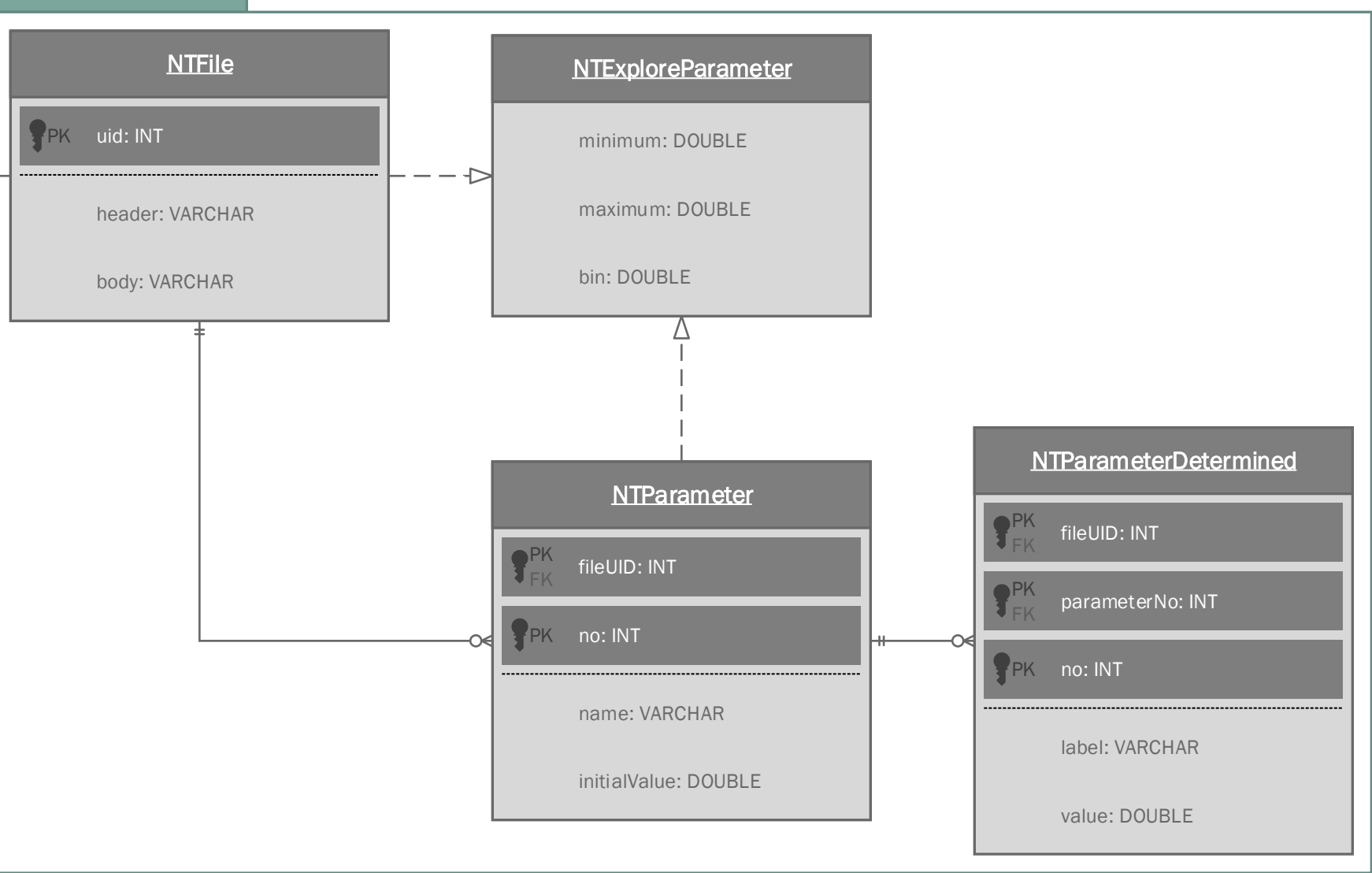
datetime: Time of a role allocation to a distributed processing system.
The datetime even can be used to identify which distributed system(DistributedClient)s are connected to a master(DistributedClientArray).

Nam-Tree Package

File Package



Nam-Tree File Package



Nam-Tree Criteria Package

