

**erDiagram**

```
USER {
    ObjectId _id
    string name
    string email
    string role
    string telefono
    string direccion
    date createdAt
    date updatedAt
}

PET {
    ObjectId _id
    string nombre
    string especie
    string raza
    number edad
    number peso
    string sexo
    date fechaNacimiento
    ObjectId propietario
    ObjectId assignedVet
    date createdAt
    date updatedAt
}

APPOINTMENT {
    ObjectId _id
    ObjectId pet
    ObjectId veterinarian
    ObjectId createdBy
    date date
    string reason
    string status
    string notas
    date createdAt
    date updatedAt
}

MEDICAL_RECORD {
    ObjectId _id
    ObjectId pet
    ObjectId appointment
    ObjectId veterinarian
    date date
    string motivo
    string diagnosis
    string treatment
    string receta
    date createdAt
}
```

```
        date updatedAt
    }

PRODUCT {
    ObjectId _id
    string name
    string category
    number quantity
    number unitCost
    number salePrice
    number minStock
    date createdAt
    date updatedAt
}

INVENTORY_MOVEMENT {
    ObjectId _id
    ObjectId product
    ObjectId user
    string type
    number quantity
    date date
}

SERVICE {
    ObjectId _id
    string name
    number basePrice
    number operatingCost
    number duration
    boolean isActive
}

SALE {
    ObjectId _id
    number total
    string paymentMethod
    date date
    ObjectId client
    ObjectId user
    date createdAt
    date updatedAt
}

ASSET {
    ObjectId _id
    string name
    string category
    number quantity
    number unitCost
    number totalValue
    boolean isDepreciable
    date acquisitionDate
}
```

```
CASHFLOW {
    ObjectId _id
    date date
    string type
    string category
    number amount
    string description
    string createdBy
}

LIABILITY {
    ObjectId _id
    string type
    string description
    number amount
    number interestRate
    number termMonths
    string status
}

BACKUP {
    ObjectId _id
    string filename
    string type
    number recordCount
    number fileSize
    date createdAt
}

%% RELACIONES
USER ||--o{ PET : propietario
USER ||--o{ PET : veterinario_asignado
PET ||--o{ APPOINTMENT : tiene
USER ||--o{ APPOINTMENT : crea
USER ||--o{ APPOINTMENT : atiende
PET ||--o{ MEDICAL_RECORD : registra
USER ||--o{ MEDICAL_RECORD : veterinario
APPOINTMENT ||--o| MEDICAL_RECORD : genera
PRODUCT ||--o{ INVENTORY_MOVEMENT : movimientos
USER ||--o{ INVENTORY_MOVEMENT : realiza
USER ||--o{ SALE : registra
USER ||--o{ SALE : cliente
```