

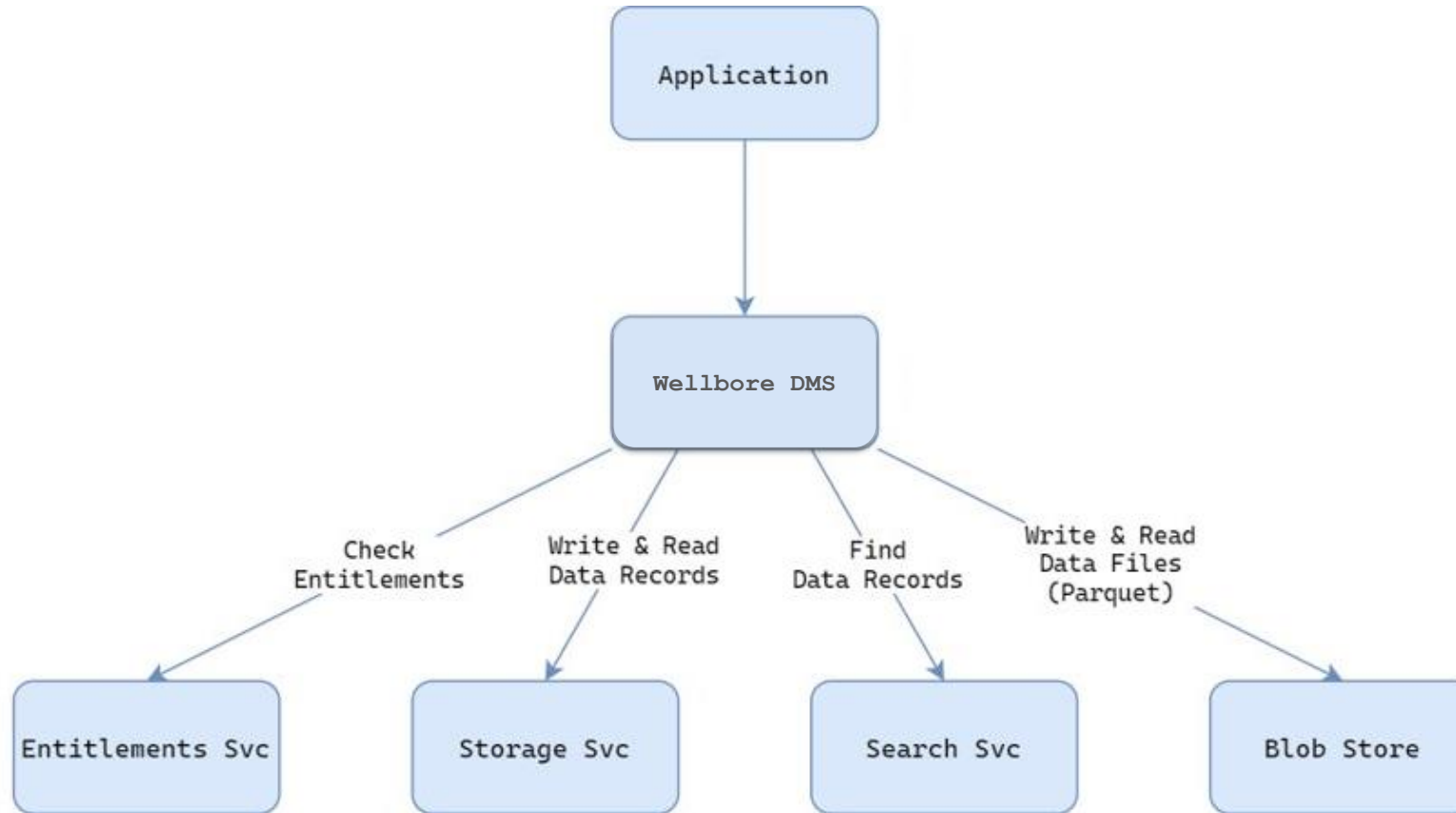


OSDU™ Data Platform Application Developer Training

Wellbore DMS



Wellbore DMS Overview

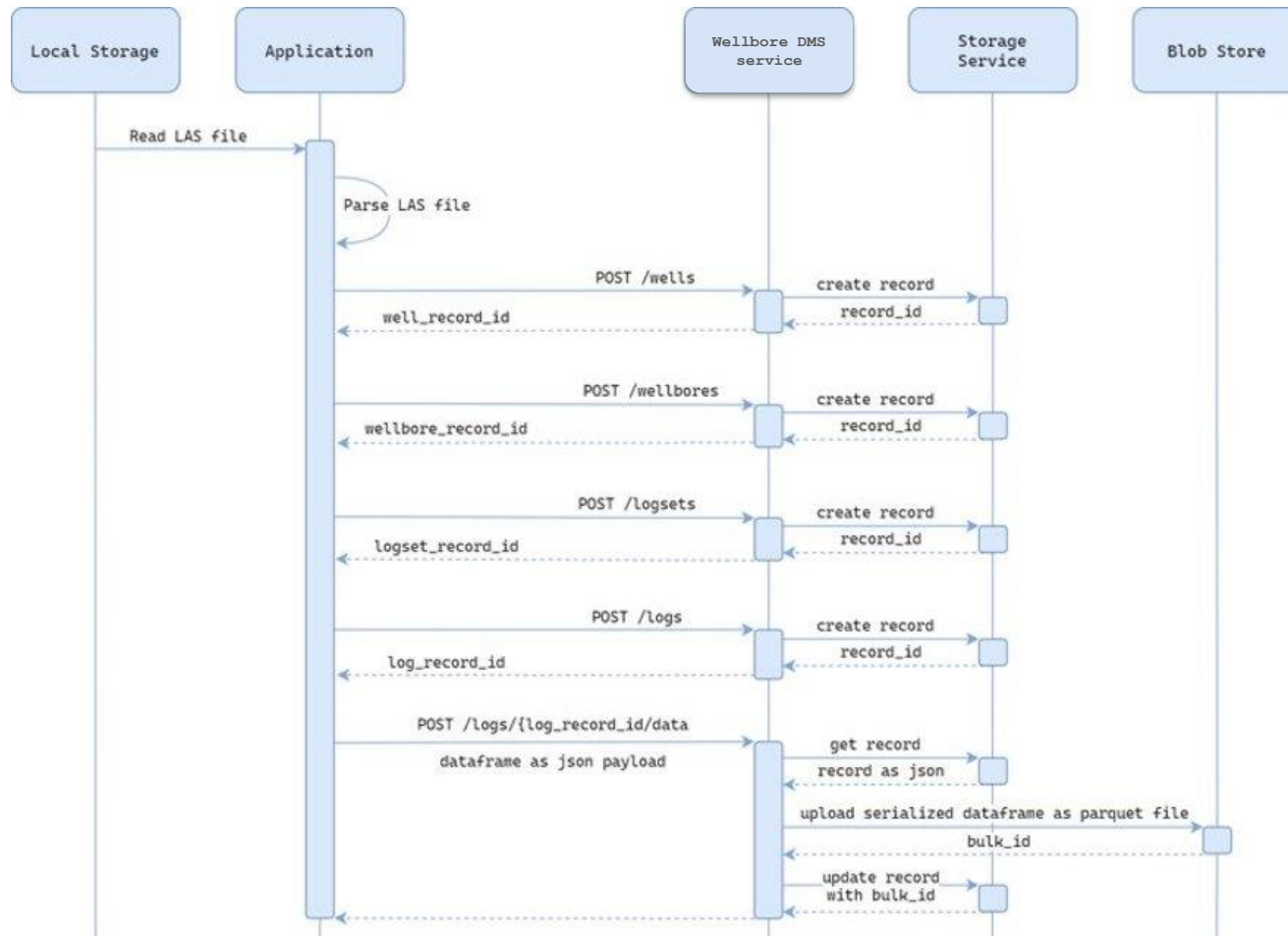


Wellbore prerequisites

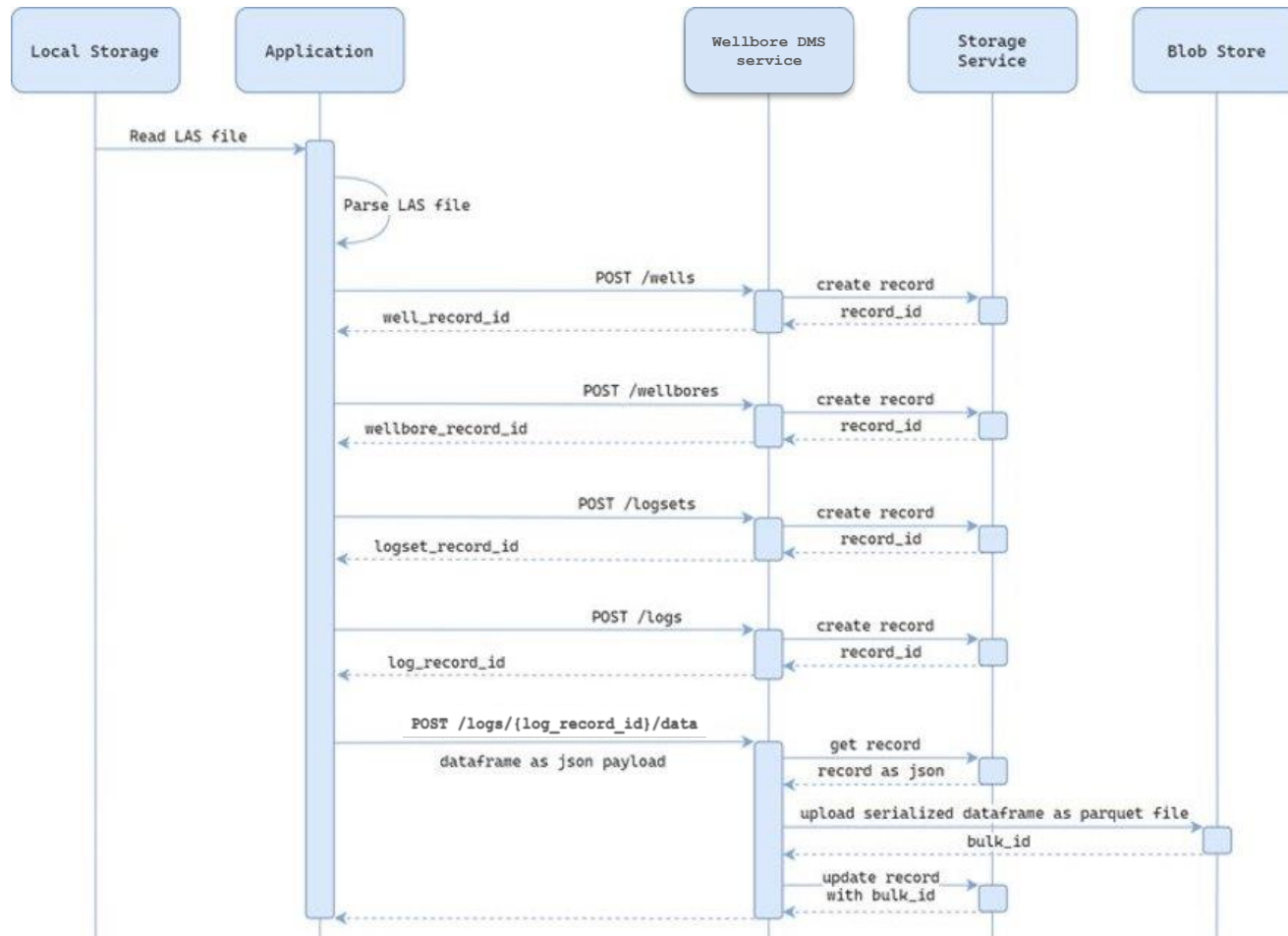
- » Create Schemas (for v2)
 - Well
 - Wellbore
 - Well Log
 - Wellbore Trajectory
 - Wellbore Marker Set

- » Use standard R3 Schemas (for v3)

Wellbore DMS: Write Path



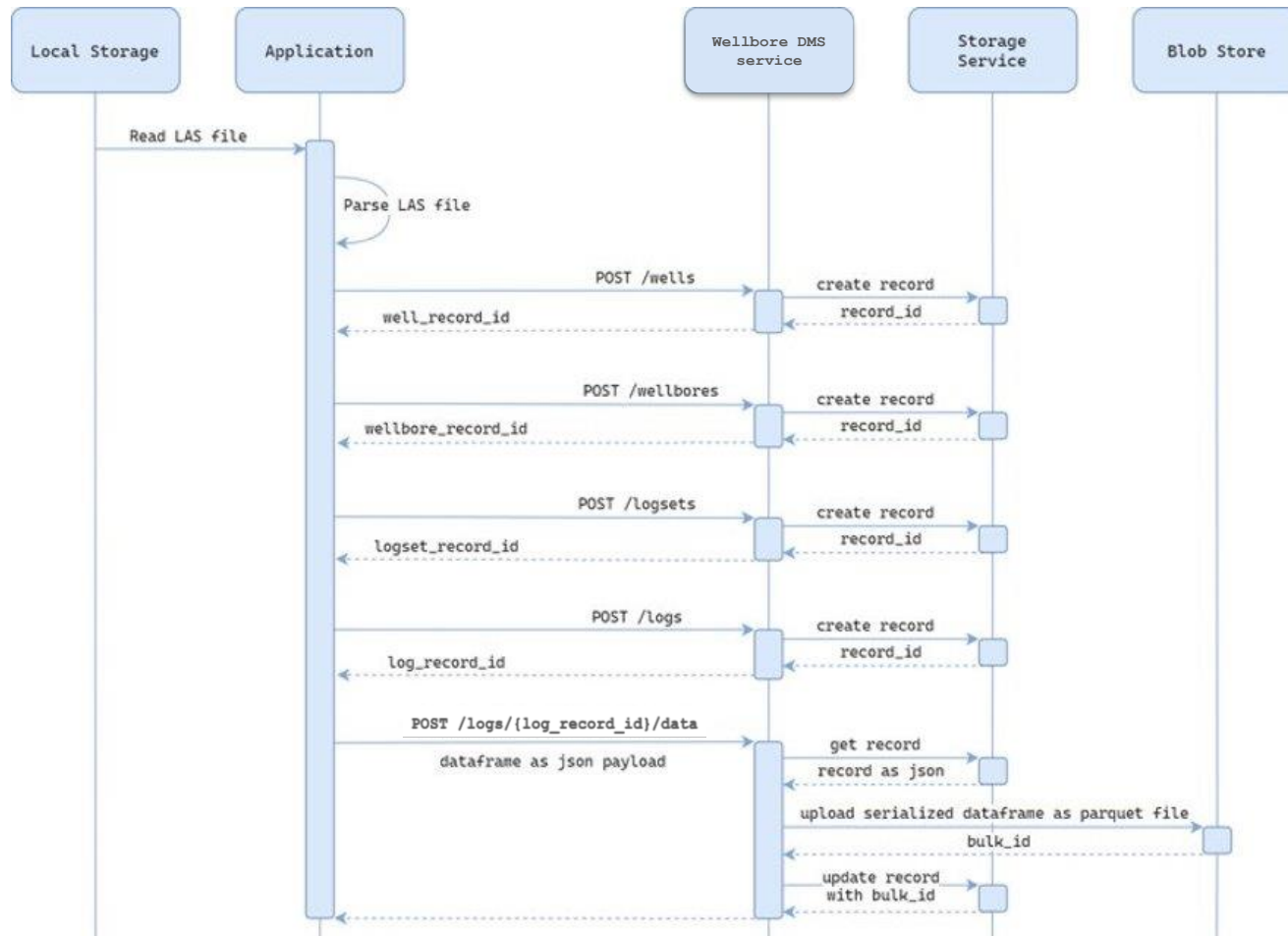
Wellbore DMS: Write Path



```
(V2) wellbore = {
  "name": wellbore_name,
  "relationships": {
    "well": {"id": well_record_id}
  }
}
```

```
(V3) wellbore = {
  ...
  "FacilityName": wellbore_name,
  "WellID": well_record_id,
  ...
}
```

Wellbore DMS: Write Path

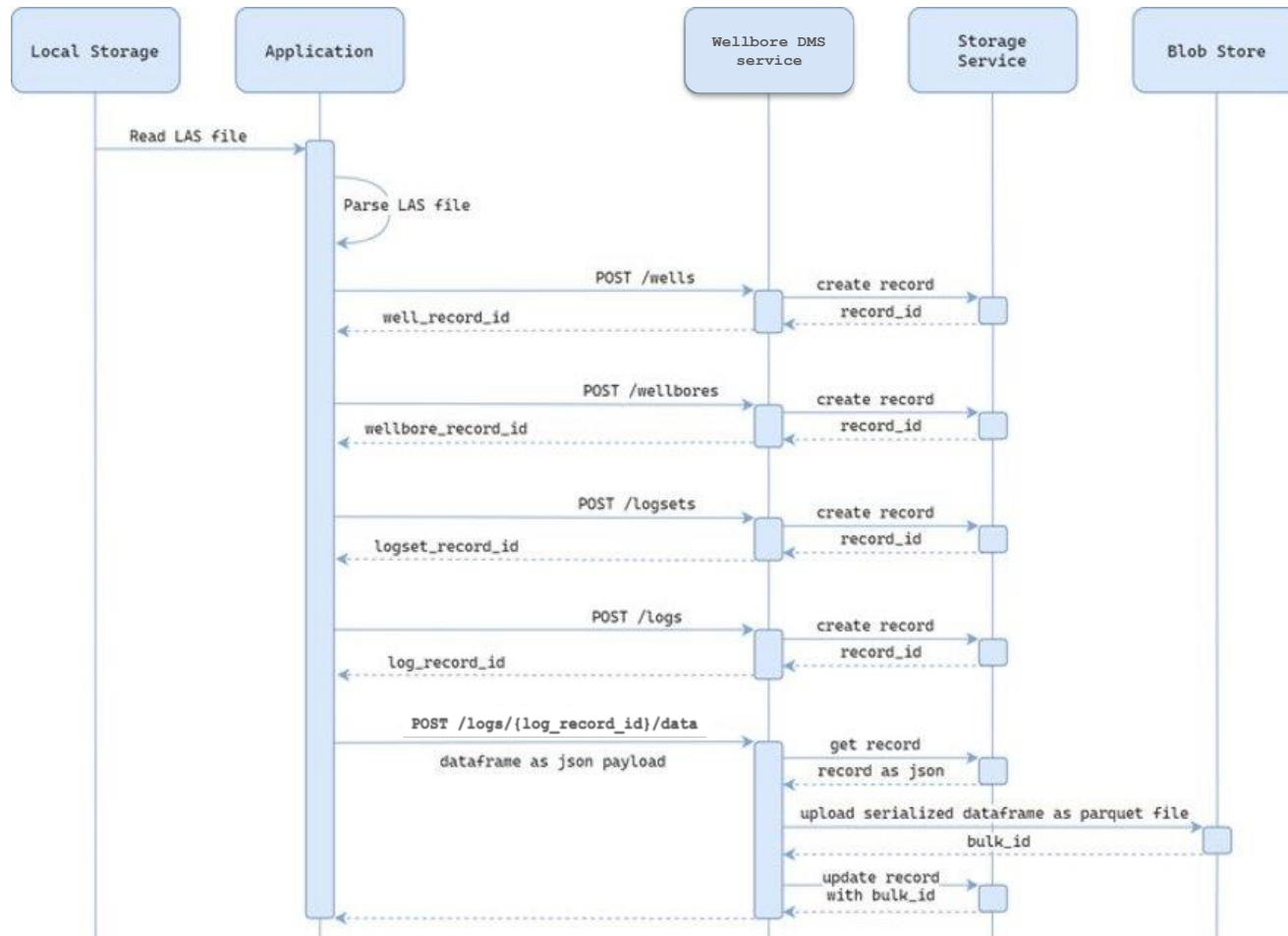


```

(V2) logset = {
  "name": log_name,
  "relationships": {
    "well": {"id": well_record_id},
    "wellbore": {"id": wellbore_record_id}
  }
}
  
```

(V3) No such kind for R3

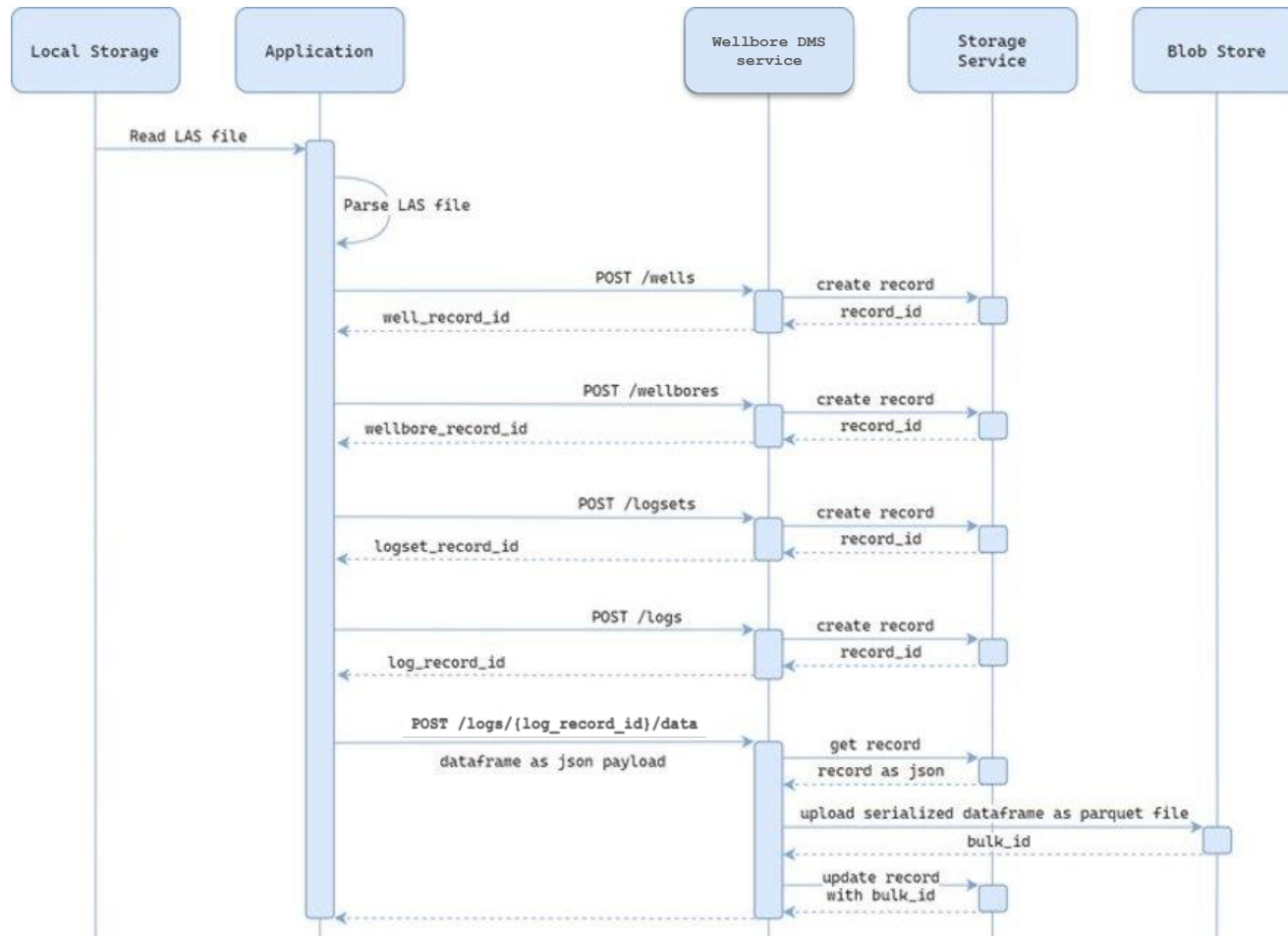
Wellbore DMS: Write Path



```
(V2) log = {
  "name": log_name,
  "relationships": {
    "well": {"id": well_record_id},
    "logSet": {"id": logset_record_id}
  }
}
```

```
(V3) welllog = {
  ...
  "Name": log_name,
  "WellboreID": wellbore_record_id,
  ...
}
```

Wellbore DMS: Write Path

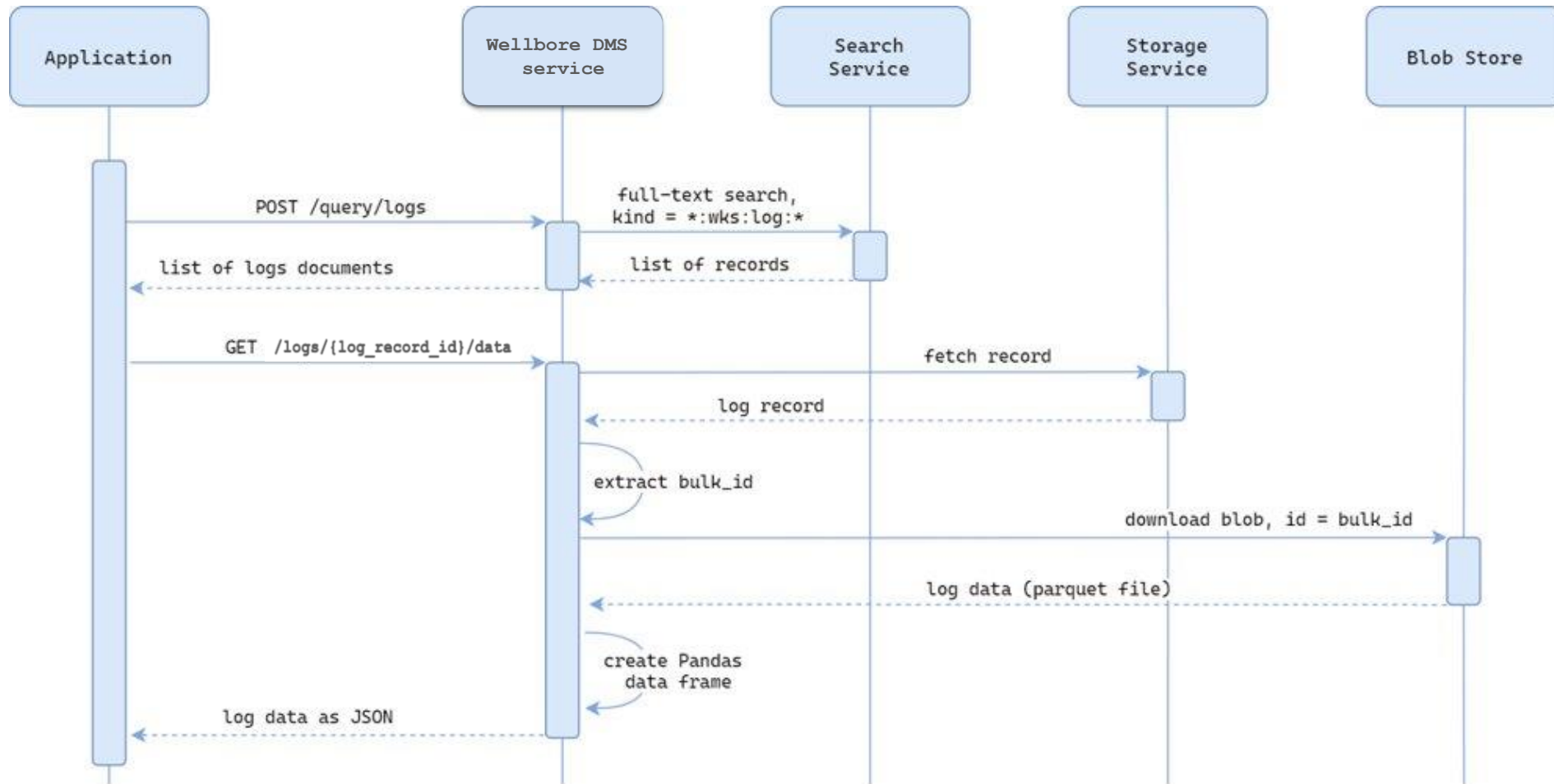


```
(V2) log = {
  "name": log_name,
  "relationships": {
    "well": {"id": well_record_id},
    "logSet": {"id": logset_record_id}
  }
}
```

```
(V3) welllog = {
  ...
  "Name": log_name,
  "WellboreID": wellbore_record_id,
  ...
}
```

POST /logs/{log_record_id}/data

Wellbore DMS: Read Path



Wellbore DMS: Log Recognition

- » Allows to classify mnemonics in Families
- » Built-in default catalog
- » Ability to create custom catalog
- » Ability to create rules to assign family for mnemonic

```
//recognize API
POST /api/log-recognition/recognize

// payload
{
  "label": "GRD",
  "log_unit": "gApi",
  "description": ""
}

// response
{
  "family": "Gamma Ray",
  "family_type": ["Gamma Ray"],
  "log_unit": "gapi",
  "base_unit": "gAPI"
}
```

Thank you!