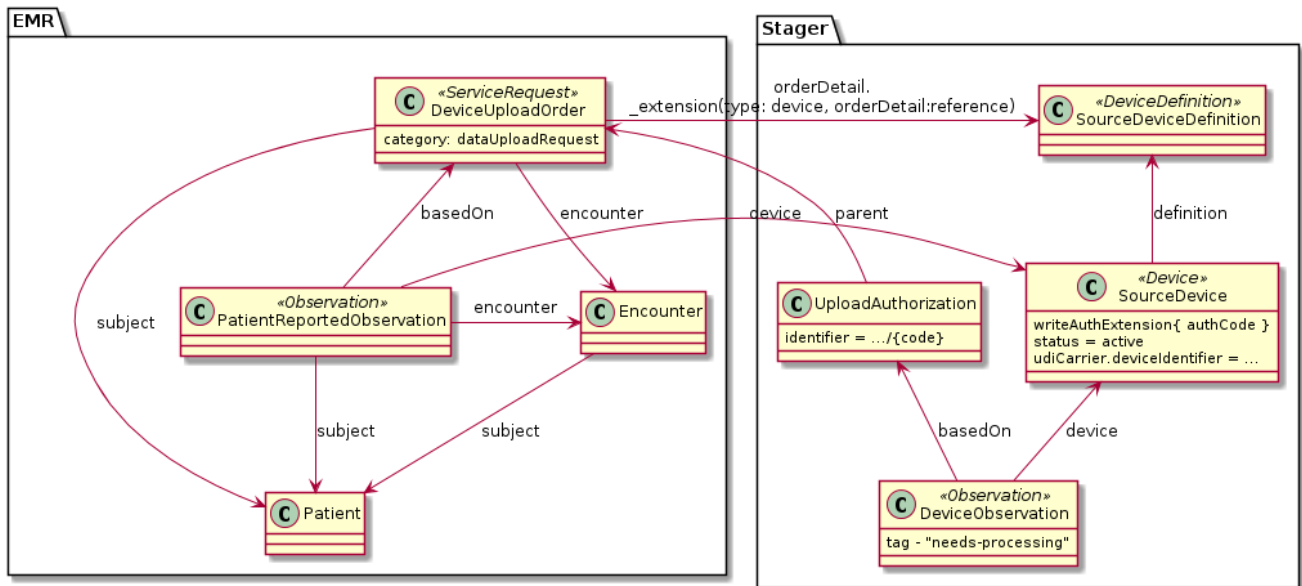
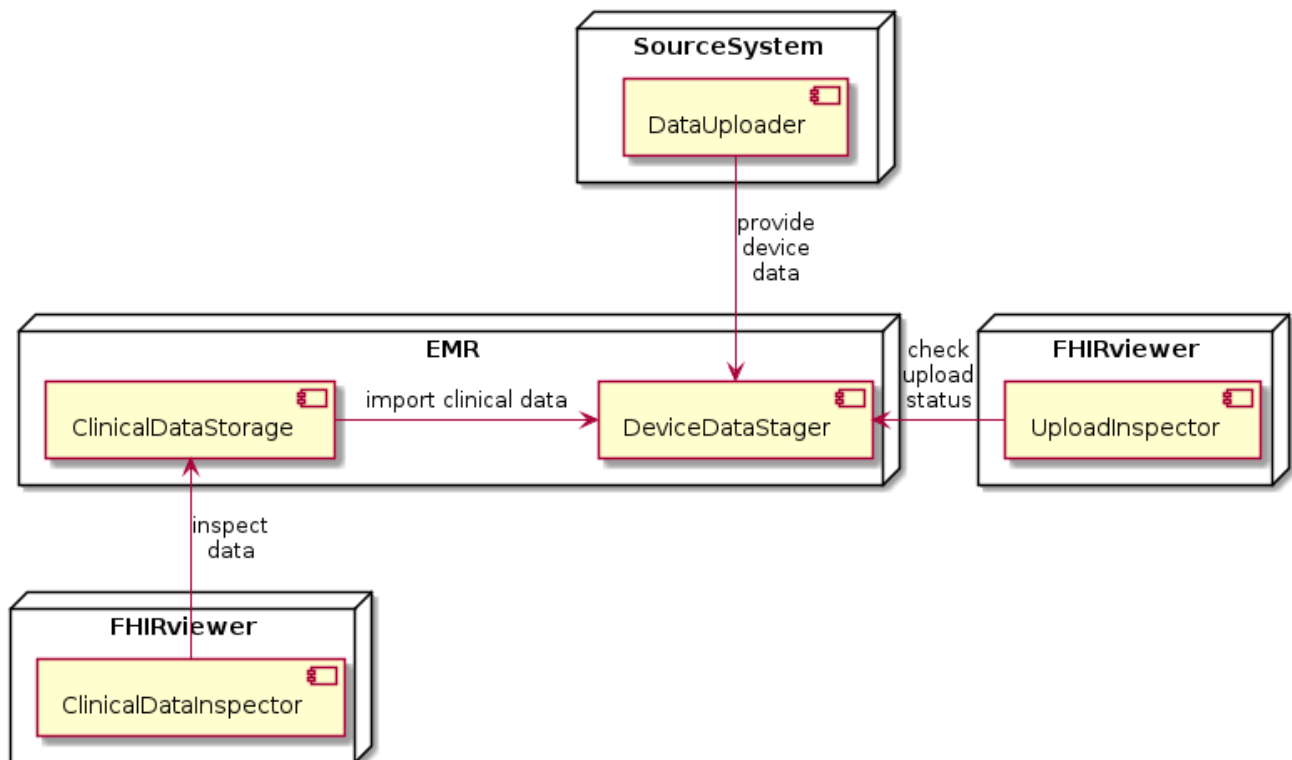


Scenario

Domain model



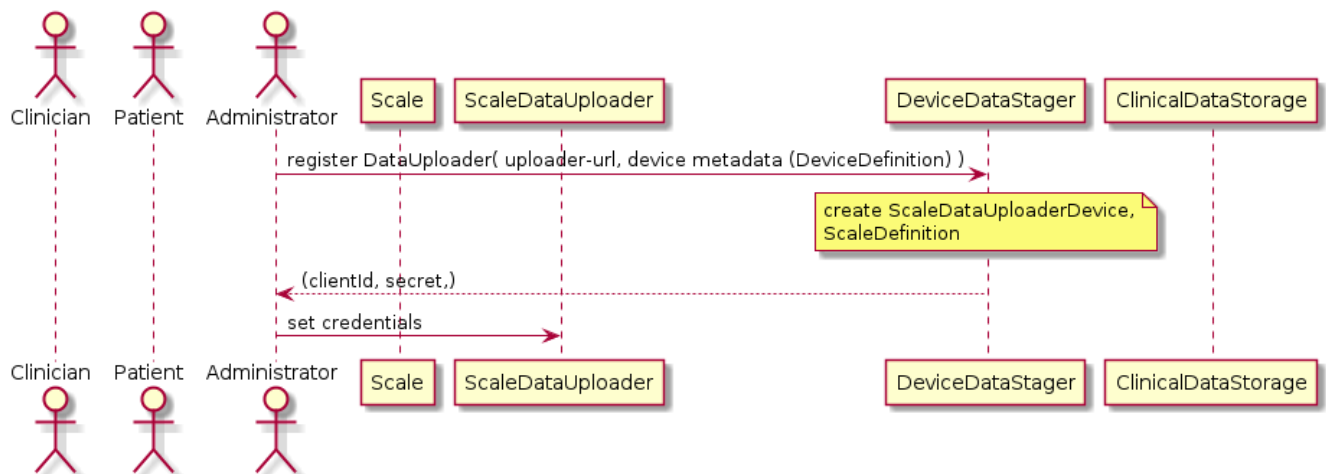
Deployment



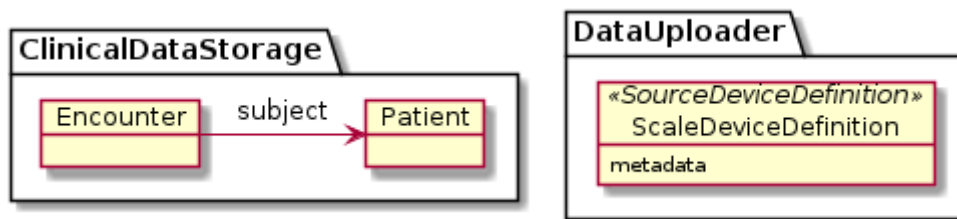
Scenario

Register device source

Authorize ScaleDataUploader to upload data.



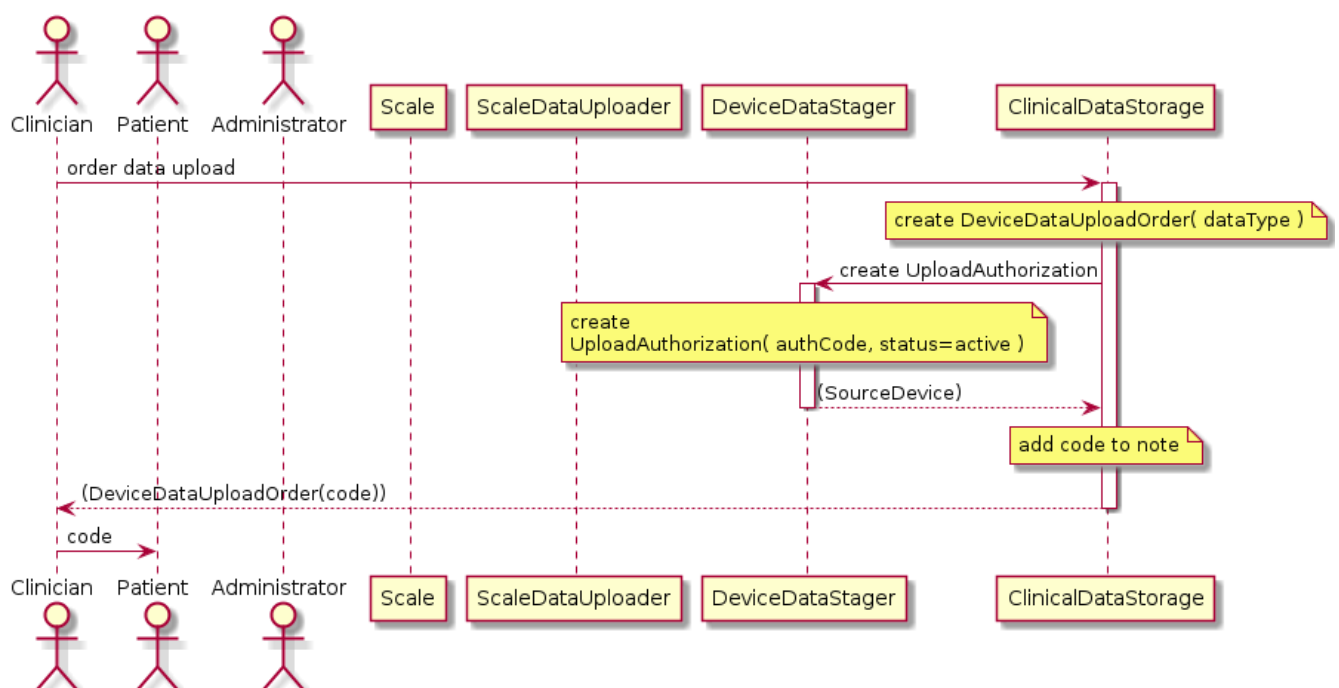
In the ScaleDataUploader the following state exists:



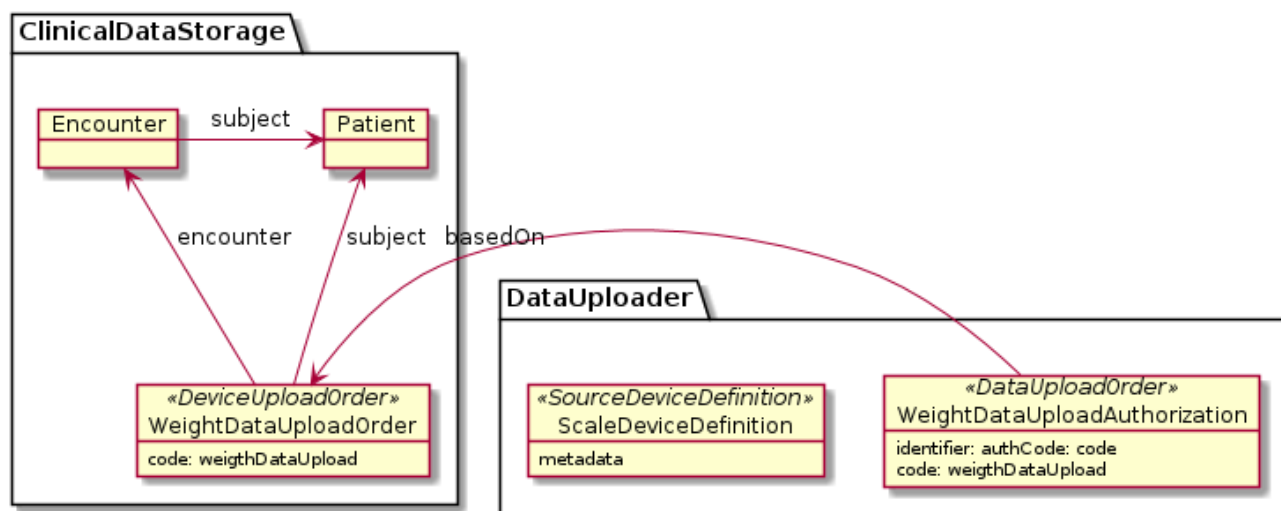
Which allows the DataUploader to register devices.

Register new Device data upload.

Clinician authorizes upload.



In the ScaleDataUploader the following state exists:

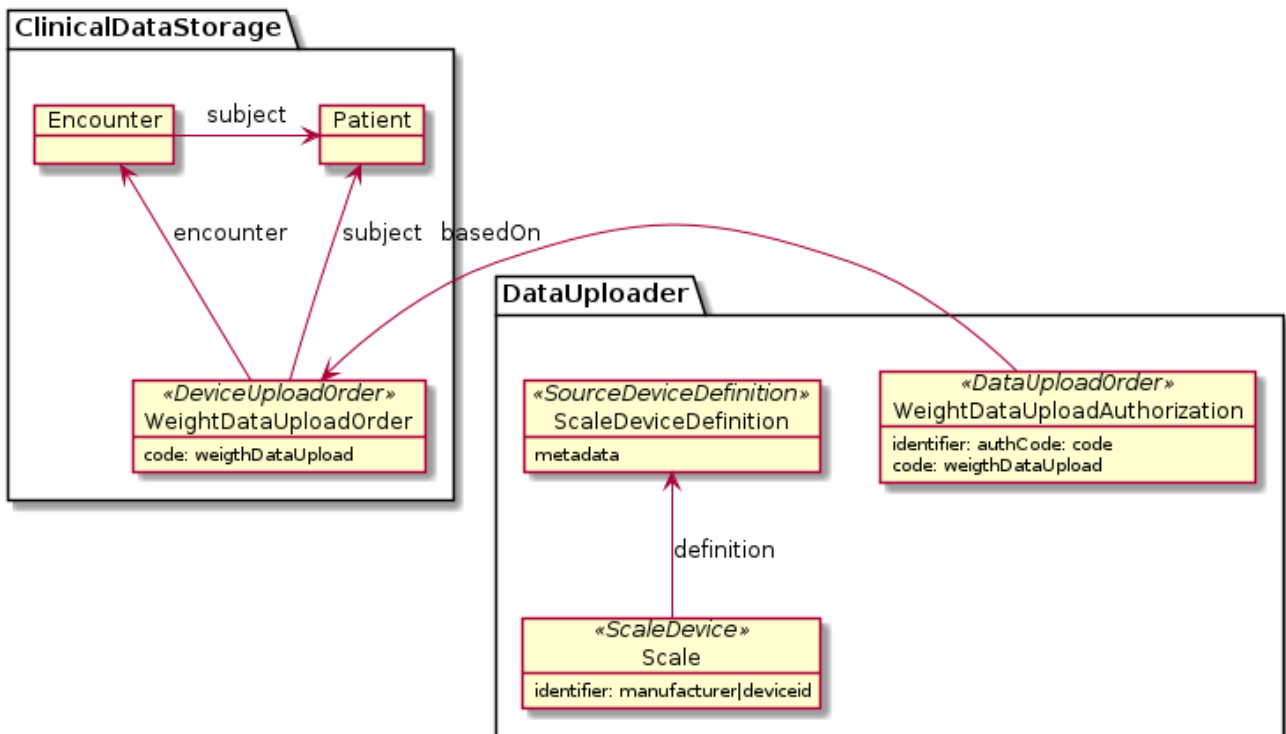
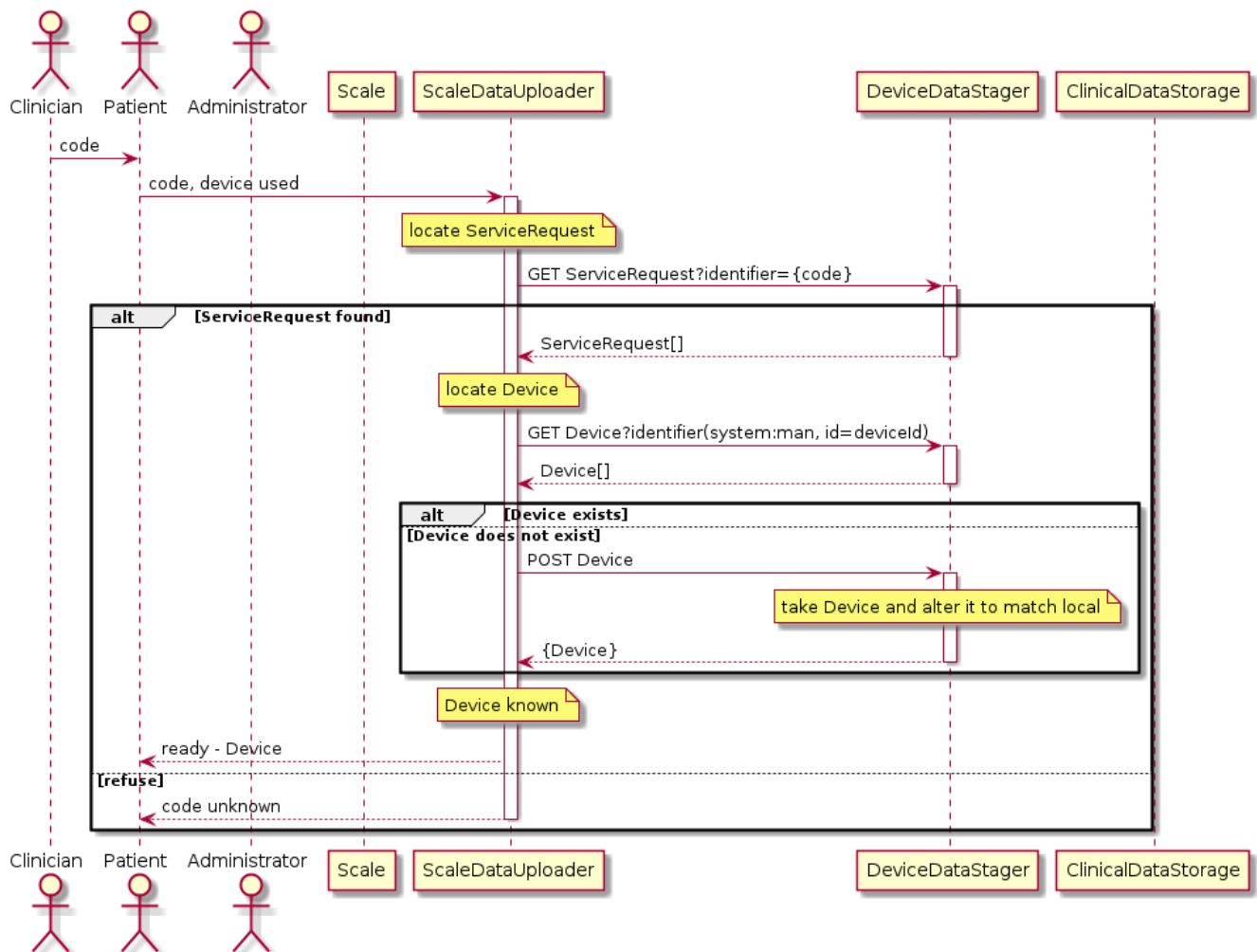


WeightDataUploadOrder represents authorization has been given and code may be used. Additionally, a Task can be present. The two service requests can also be merged. As we consider two separate systems, it is a referral and so separate.

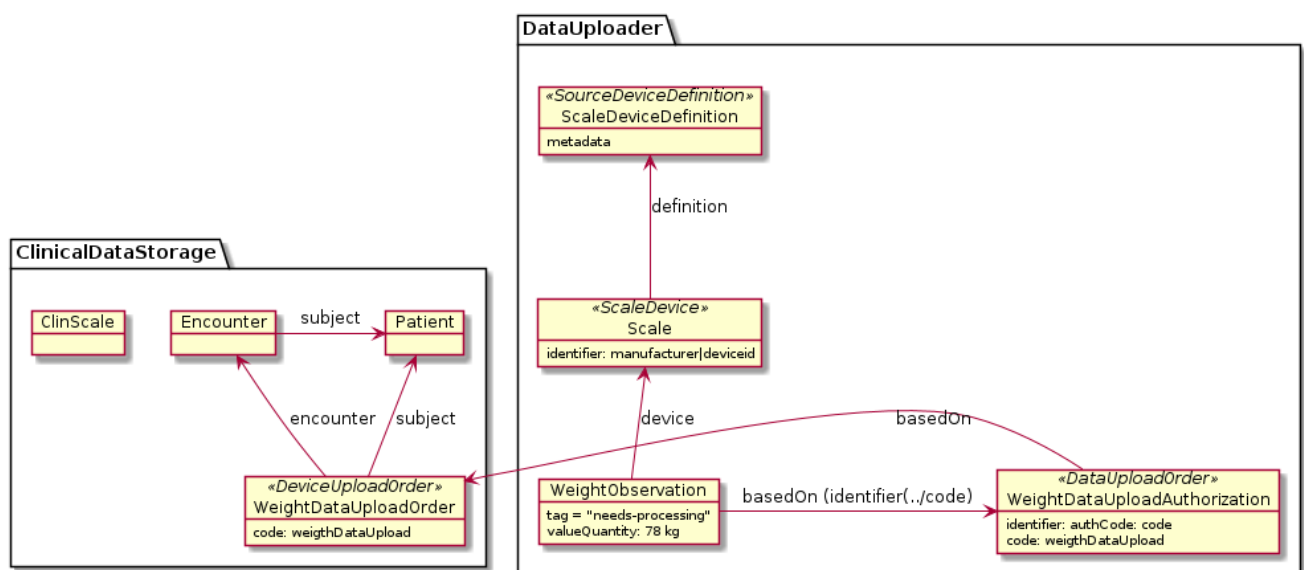
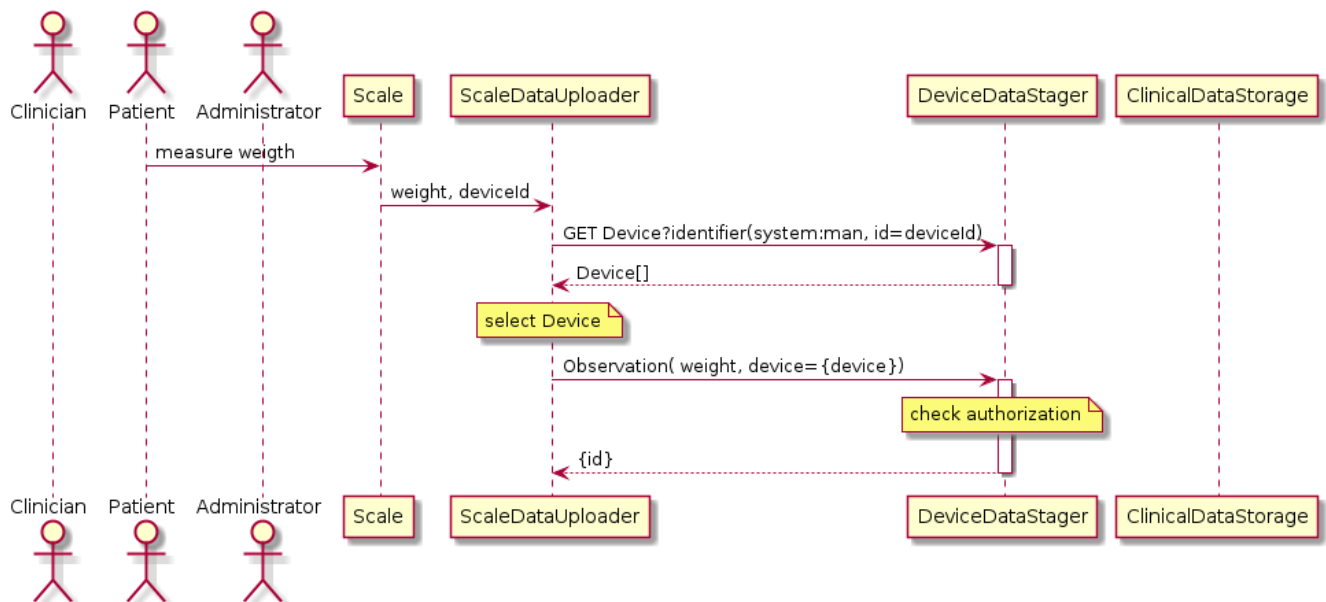
Rationale

Wrongly entered code may cause the data to be linked to a different Patient. How to prevent this? Make finding an other matching code very unlikely -> very large number.

Patient registers device with upload

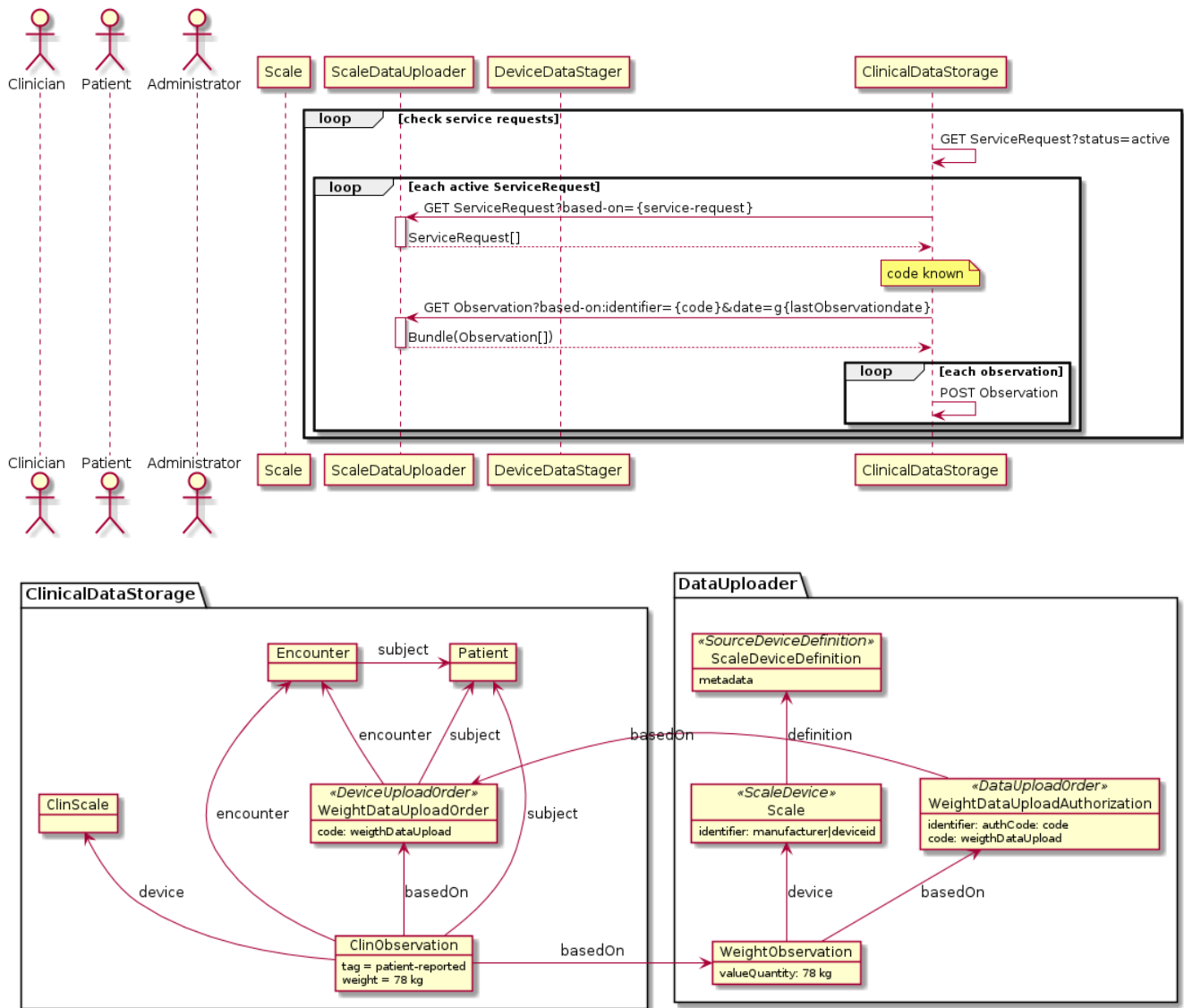


Patient measures weight and uploads data



Link from WeightObservation to WeightDataUploadAuthorization is using an identifier reference. This makes it possible for the ScaleDataUploader to be oblivious of the ServiceRequest.

Detect observation and write to repo



Stop authorization from Clinical site

Change status of ServiceRequest → process will stop the Tasks. This will result in a stop Task that will change the UploadOrder and Task statuses.

Add background task that checks DataUploadTask active for device and removes observations when not present.

IMPORTANT

Does the uploader needs to be informed that upload no longer is authorized?
Do we have retention period for removal to allow for corrections → yes say a day. Authorization is not for receipt but use.

Stop authorization from Upload site

Just stop uploading data....

Scale app checks upload

Only sees its own measurements. Talks to its own backend - no a issue for this spec.

When requesting from Stager, only measurements of its devices are accessible. Further filtering is the responsibility of the Scale app backend. Potentially, a specific endpoint can/should be made for each.

User checks upload with ClinicalDataStorage

Sees its own data. Normal (SmartOn)FHIR access.