# S1 Listing - FETCH query pseudo-code implementation

**Couchbase**

bucket.query(ViewQuery.from("tests", "by\_ehr\_id").stale(Stale.FALSE).key(ehr\_id))

view := " by\_ehr\_id "

function (doc, meta) {

 if(doc.versions.data) {

 if(doc.versions.data.type == "COMPOSITION"); {

 emit(doc.owner\_id.id.value, doc.versions.data);

} } }

**ElasticSearch**

client.prepareSearch(index)

 .setTypes(type).setScroll(new TimeValue(60000))

 .setQuery(QueryBuilders.boolQuery()

 .must(QueryBuilders.termQuery("owner\_id.id.value", ehr\_id))

 .must(QueryBuilders.termQuery("versions.data.type", "COMPOSITION")))

 .setSize(scrollSize).execute().actionGet()

**eXist-db**

runQuery(“xquery version '3.0'

declare default element namespace 'http://schemas.openehr.org/v1';

for $match in collection('/db/ORBDA')//versioned\_composition/owner\_id/id[value = '"+ ehr\_id +"']

 return <versions>{$match/ancestor::\*/versions/data}</versions>”

)