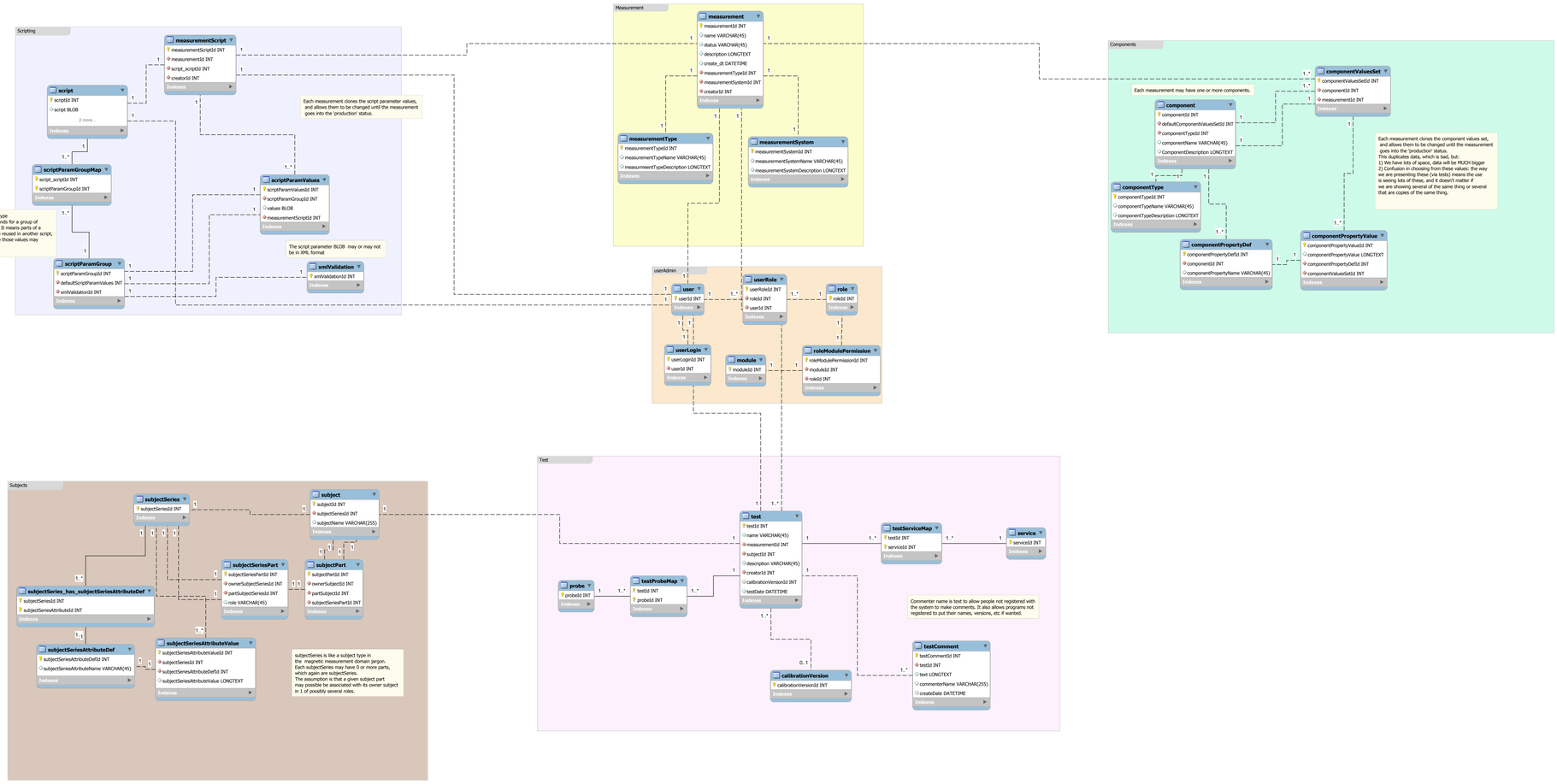
Scripting
measurementScript
measurementScriptId INT
measurementId INT
script_scriptId INT
creatorId INT
Indexes
script
scriptId INT
script BLOB
2 more...
Indexes
scriptParamGroupMap
script_scriptId INT
scriptParamGroupId INT
Indexes
scriptParamValues
scriptParamValuesId INT
scriptParamGroupId INT
values BLOB
measurementScriptId INT
Indexes
scriptParamGroup
scriptParamGroupId INT
defaultScriptParamValues INT
xmlValidationId INT
Indexes
xmlValidation
xmlValidationId INT
Indexes
Each measurement clones the script parameter values, and allows them to be changed until the measurement goes into the 'production' status.
ScriptParamType
This table stands for a group of script values. It means parts of a script may be reused in another script, and therefore those values may be reused.
The script parameter BLOB may or may not be in XML format
Measurement
measurement
measurementId INT
status VARCHAR(45)
description LONGTEXT
create_dt DATETIME
measurementTypeId INT
measurementSystemId INT
creatorId INT
Indexes
measurementType
measurementTypeId INT
measurementTypeName VARCHAR(45)
measurementTypeDescription LONGTEXT
Indexes
measurementSystem
measurementSystemId INT
measurementSystemName VARCHAR(45)
measurementSystemDescription LONGTEXT
Indexes
Components
componentValuesSet
componentValuesSetId INT
componentId INT
measurementId INT
Indexes
Each measurement may have one or more components.
component
componentId INT
defaultComponentValuesSetId INT
componentTypeId INT
componentName VARCHAR(45)
ComponentDescription LONGTEXT
Indexes
componentType
componentTypeId INT
componentTypeName VARCHAR(45)
componentTypeDescription LONGTEXT
Indexes
Each measurement clones the component values set, and allows them to be changed until the measurement goes into the 'production' status.
This duplicates data, which is bad, but:
1) We have lots of space, data will be MUCH bigger
2) Confusion in choosing from these values: the way we are presenting these (via lists) means the use is seeing lots of these, and it doesn't matter if we are showing several of the same thing or several that are copies of the same thing.
componentPropertyDef
componentPropertyDefId INT
componentId INT
componentPropertyName VARCHAR(45)
Indexes
componentPropertyValue
componentPropertyValueId INT
componentPropertyDefId INT
componentPropertyValue LONGTEXT
componentValuesSetId INT
Indexes
userAdmin
user
userId INT
Indexes
userRole
userRoleId INT
roleId INT
userId INT
Indexes
role
roleId INT
Indexes
userLogin
userLoginId INT
userId INT
Indexes
module
moduleId INT
Indexes
roleModulePermission
roleModulePermissionId INT
moduleId INT
roleId INT
Indexes
Subjects
subjectSeries
subjectSeriesId INT
Indexes
subject
subjectId INT
subjectSeriesId INT
subjectName VARCHAR(255)
Indexes
subjectSeries_has_subjectSeriesAttributeDef
subjectSeriesId INT
subjectSeriesAttributeId INT
Indexes
subjectSeriesPart
subjectSeriesPartId INT
ownerSubjectSeriesId INT
partSubjectSeriesId INT
role VARCHAR(45)
Indexes
subjectPart
subjectPartId INT
ownerSubjectId INT
partSubjectId INT
subjectSeriesPartId INT
Indexes
subjectSeriesAttributeDef
subjectSeriesAttributeDefId INT
subjectSeriesAttributeName VARCHAR(45)
Indexes
subjectSeriesAttributeValue
subjectSeriesAttributeValueId INT
subjectSeriesId INT
subjectSeriesAttributeDefId INT
subjectSeriesAttributeValue LONGTEXT
Indexes
subjectSeries is like a subject type in the magnetic measurement domain jargon.
Each subjectSeries may have 0 or more parts, which again are subjectSeries.
The assumption is that a given subject part may possible be associated with its owner subject in 1 of possibly several roles.
Test
test
testId INT
name VARCHAR(45)
measurementId INT
subjectId INT
description VARCHAR(45)
creatorId INT
calibrationVersionId INT
testDate DATETIME
Indexes
testServiceMap
testId INT
serviceId INT
Indexes
service
serviceId INT
Indexes
probe
probeId INT
Indexes
testProbeMap
testId INT
probeId INT
Indexes
Commenter name is text to allow people not registered with the system to make comments. It also allows programs not registered to put their names, versions, etc if wanted.
calibrationVersion
calibrationVersionId INT
Indexes
testComment
testCommentId INT
testId INT
text LONGTEXT
commenterName VARCHAR(255)
createDate DATETIME
Indexes