

## art - Feature #3745

### Art should not require metadata that sam considers to be optional or non-existent.

04/23/2013 11:35 AM - Herbert Greenlee

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Low	<b>Due date:</b>	09/30/2013
<b>Assignee:</b>	Christopher Green	<b>% Done:</b>	100%
<b>Category:</b>	Metadata	<b>Estimated time:</b>	4.00 hours
<b>Target version:</b>	1.10.00	<b>Spent time:</b>	5.00 hours
<b>Scope:</b>	Internal	<b>SSI Package:</b>	art
<b>Experiment:</b>	-		
<b>Description</b>			
<p>I'm reporting this as a feature request, but I consider it to be a bug in the requirements document. The requirements document specifies the following "required metadata":</p> <ol style="list-style-type: none"><li>application (family, name, version).</li><li>file type.</li><li>data tier.</li><li>stream name.</li><li>file format (+ era and version).</li></ol> <p>Sam itself (<a href="https://cdcvs.fnal.gov/redmine/projects/sam-web/wiki/Metadata_format">https://cdcvs.fnal.gov/redmine/projects/sam-web/wiki/Metadata_format</a>) considers the file type to be required metadata. The rest of these metadata fields (except file format era and file format version) are optional according to the sam system. Art should not require metadata that sam considers to be optional. Also, sam does not have any predefined metadata fields such as "file format era" or "file format version," therefore art should not require these non-existent metadata.</p>			
<b>Related issues:</b>			
Related to art - Feature #3743: FileCatalogMetadata service doesn't set file ...		<b>Closed</b>	<b>09/30/2013</b>
Related to art - Feature #3744: Missing sam metadata		<b>Closed</b>	<b>09/30/2013</b>
Related to art - Feature #3746: Art should support generating per-file user-s...		<b>Closed</b>	<b>09/30/2013</b>
Related to art - Feature #4679: Relax FileCatalogOptionsHandler constraint on...		<b>Closed</b>	

## History

### #1 - 04/23/2013 11:41 AM - Rob Kutschke

A comment. I am not a SAM expert so this might be nonsense .... But that's never stopped me before.

Does it make sense for an experiment to require that their jobs supply parameters that SAM considers optional?

If this is a reasonable use case, then I recommend that the solution allow experiments to configure which of the parameters SAM considers optional are required for an art job.

### #2 - 08/09/2013 03:25 PM - Christopher Green

- Due date set to 09/30/2013
- Target version set to 1.09.00
- Start date deleted (04/23/2013)
- Estimated time set to 4.00 h
- Scope set to Internal
- Experiment - added
- SSI Package art added

Accepted to within changes made at the SAM requirements meeting in May.

### #3 - 08/09/2013 03:27 PM - Christopher Green

- Status changed from New to Accepted

### #4 - 02/17/2014 12:27 PM - Christopher Green

- Target version changed from 1.09.00 to 521

**#5 - 04/09/2014 11:18 AM - Christopher Green**

- Target version changed from 521 to 1.10.00

**#6 - 05/09/2014 04:43 PM - Christopher Green**

- Status changed from Accepted to Assigned

**#7 - 05/09/2014 04:45 PM - Christopher Green**

- Assignee set to Christopher Green

**#8 - 05/13/2014 01:25 PM - Christopher Green**

- % Done changed from 0 to 90

- Experiment Auger, CDF, CDMS, CMS, COUPP, DES, DONUT, DZero, DarkSide, FOCUS, GammeV, Holometer, HyperCP, g-2 added

- Experiment deleted (-)

**#9 - 05/13/2014 01:25 PM - Christopher Green**

- Experiment - added

- Experiment deleted (Auger, CDF, CDMS, CMS, COUPP, DES, DONUT, DZero, DarkSide, FOCUS, GammeV, Holometer, HyperCP, g-2)

**#10 - 06/04/2014 01:00 PM - Christopher Green**

- % Done changed from 90 to 100

Resolved provisionally with the following rules:

If outputs are specified **and**:

- SAM input files are specified; or
- Any of the following items are provided at command line or in FHiCL:
  - --sam-application-family, --sam-app-family, services.FileCatalogMetadata.applicationFamily;
  - --sam-application-version, --sam-app-version, services.FileCatalogMetadata.applicationVersion;
  - --sam-file-type, services.FileCatalogMetadata.fileType;
  - --sam-group, services.FileCatalogMetadata.group

then **all** of them must be specified except the file type, which will default to "unknown" unless specified on the command line, in FHiCL or directly as the metadata item, file\_type.

**#11 - 06/04/2014 01:01 PM - Christopher Green**

- Status changed from Assigned to Resolved

**#12 - 06/12/2014 01:28 PM - Christopher Green**

- Status changed from Resolved to Closed