

DC3 OutputStage Policy Design

updated: Feb 11, 2009

OutputStage Policy File Components

1. AdditionalData:
 - ◆ type: string array
 - ◆ description: allows clipboard values to be given names to be used as parameters in pathnames or by Formatters. Form is <name>=<clipboardKey>.
2. RunMode:
 - ◆ type: string
 - ◆ allowed values: "preprocess", "process", "postprocess"
 - ◆ description: specifies when the output should occur.
3. OutputItems:
 - ◆ type: policy
 - ◆ description: items to persist
 - ◆ sub-policies:
 1. <itemName>:
 - type: policy
 - description: replace <itemName> with the name you would like to assign to this output item. multiple item policies may be defined within the OutputItems policy.
 - sub-policies:
 1. StoragePolicy:
 - ◆ type: policy
 - ◆ description: specifies how and where to persist this item. Multiple StoragePolicy can be defined for a single item; they are used in sequence.
 - ◆ components:
 1. Storage:
 - type: string
 - allowed values: "BoostStorage", "DbStorage", "DbTsvStorage", "FitsStorage", "XmlStorage"
 - description: specifies **how** to persist the item.
 2. Location:
 - type: string
 - description: specifies **where** to persist the item. Should be a *logical* location, not a *physical* one. Can include %(...) parameters which will be filled in by the stage using the "AdditionalData" values. If the parameter to be substituted is an integer (not a string representing an integer), it can be formatted using the syntax "%03d(...)". Built in %(...) operands include:
 - %(input), %(output), %(scratch),

- `%(update)`, `%(work)` directories
- `%(dbUrl)` database URL
- `%(runId)`, `%(sliceId)`,
`%(universeSize)` pipeline parameters

Sample OutputStage Policy File

```
AdditionalData: "exposureId=triggerImageprocEvent.exposureid"  
RunMode: "process"  
OutputItems: {  
  OutputImage: {  
    required: true  
    StoragePolicy: {  
      Storage: "FitsStorage"  
      Location: "image%(exposureId) "  
    }  
  }  
}
```