

# DC3 SymLinkStage Policy Design

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## SymLinkStage Policy File Components

1. AdditionalData: "visitId=triggerIpdpEvent.visitid"
  - ◆ type: string array
  - ◆ description: allows clipboard values to be given names to be used as parameters in pathnames. Form is <name>=<clipboardKey>.
2. RunMode:
  - ◆ type: string
  - ◆ allowed values: "preprocess", "process", "postprocess"
  - ◆ description: specifies when the symbolic links should be created.
3. Links
  - ◆ type: policy
  - ◆ description: symbolic links to create. Define one Links Policy for each symbolic link you wish to create.
  - ◆ components:
    1. sourcePath:
      - type: string
      - description: path of the source file. Can include %(...) parameters which will be filled in by the stage using the "AdditionalData" values. Built in %(...) operands include:
        - %(input), %(output), %(scratch), %(update), %(work) directories
        - %(dbUrl) database URL
        - %(runId), %(sliceId), %(universeSize) pipeline parameters
    2. destPath:
      - type: string
      - description: path of the destination file. Can include %(...) parameters which will be filled in by the stage using the "AdditionalData" values. Built in %(...) operands include:
        - %(input), %(output), %(scratch), %(update), %(work)
        - %(dbUrl)
        - %(runId), %(sliceId), %(universeSize)

## Sample SymLinkStage Policy File

```
AdditionalData: "exposureId=triggerVisitEvent.exposureId"
RunMode: "preprocess"
Links: {
    sourcePath: "/lsst/images/D4/%(exposureId) "
    destPath: "/share/lsst9/DC3root/%(runId)/input/%(exposureId)
}
```