

## Single-version encoding

In PDS4, it's possible (though unlikely) to have a nameclash between a subcomponent and a subdirectory. Let's say you have a collection with the LID `urn:nasa:pds:hst_00001:acs_data_raw`, and the bundle with LID `urn:nasa:pds:hst_00001` has a directory named `acs_data_raw`. As far as I know, nothing forbids this. So we need to distinguish between subcomponents and subdirectories: otherwise both would end up at the path `/hst_00001/acs_data_raw` in a single-version filesystem.

To avoid this conflict, we append a dollar-sign to path segments that represent PDS4 bundles, collections, and products. Using the above example, the collection will be found at the directory path

```
/hst_00001$/acs_data_raw$
```

and the subdirectory in the bundle will be at

```
/hst_00001$/acs_data_raw
```

We use this encoding in `pdart.fs.multiversioned.VersionViews`.