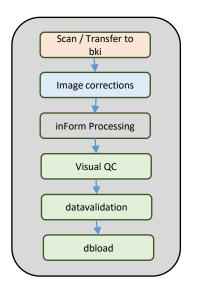
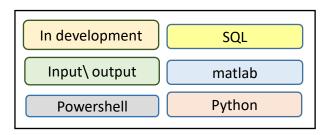
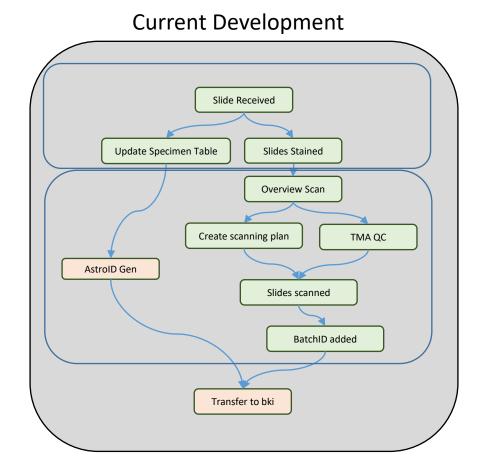
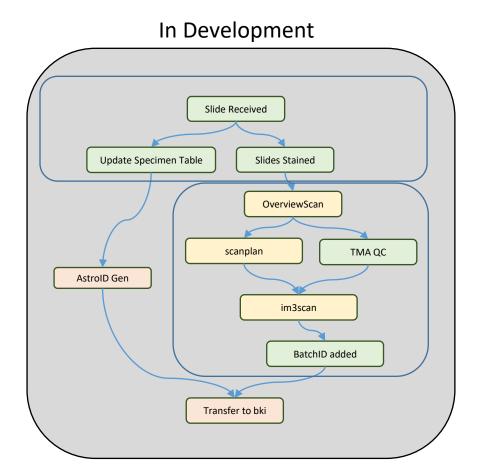
High Level Processing Steps for Each Project





Scanning Process





In development

SQL

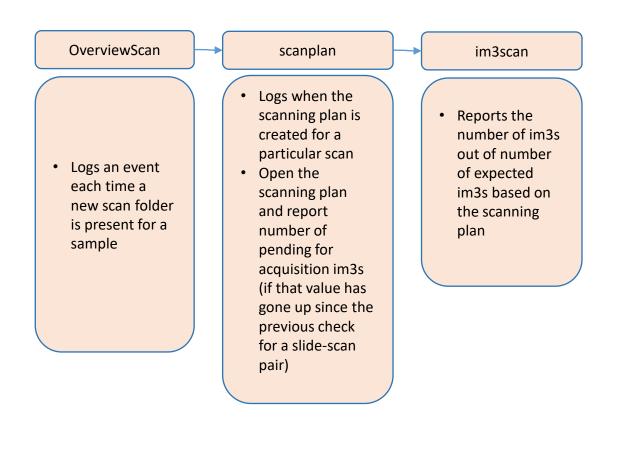
Input\output

matlab

Powershell

Python

Scans Overview



In development

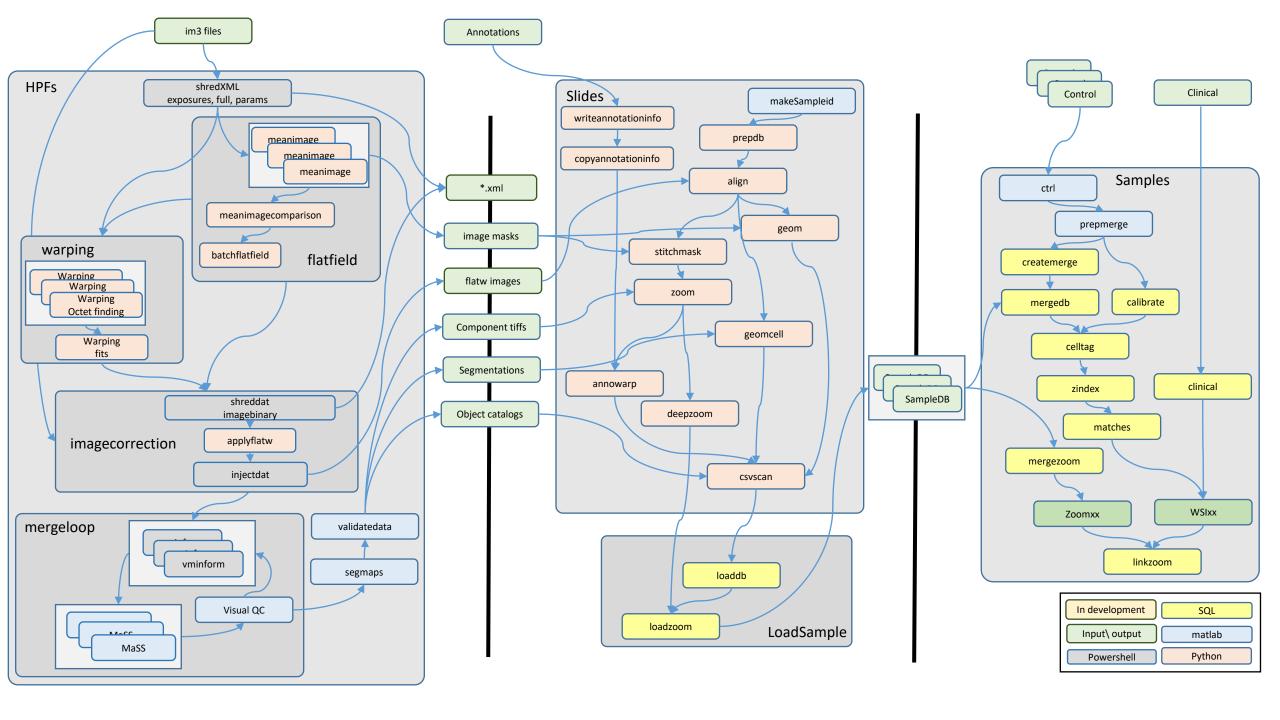
Input\ output

Powershell

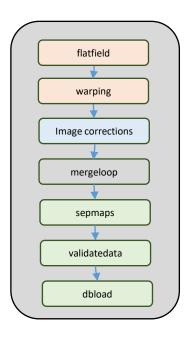
SQL

matlab

Python



AstroPath Processing



meanimage

convertIM3path downloadim3 cleanup returndata meanimage Extract image binary Extracts a Data.dat • Builds image Downloads files for each im3 masks based on im3s to a Copies the intensity profiles working image masks · Deletes data to exclude directory on a and final from the artifacts in SSD (Improves average image working images read time while back to the data directory Finds the average working with source location image, excluding the images in regions defined matlab or as artifact python and reduces strain on the network) v0.0.1 only Copies the Find the total saved total image, across image and .csv layers of the file with image in a single metadata column format (number of Save the number images and In development of images in each SQL image shape) to case so we can the data source Input\ output matlab easily build an average image Python Powershell

later

imagecorrection

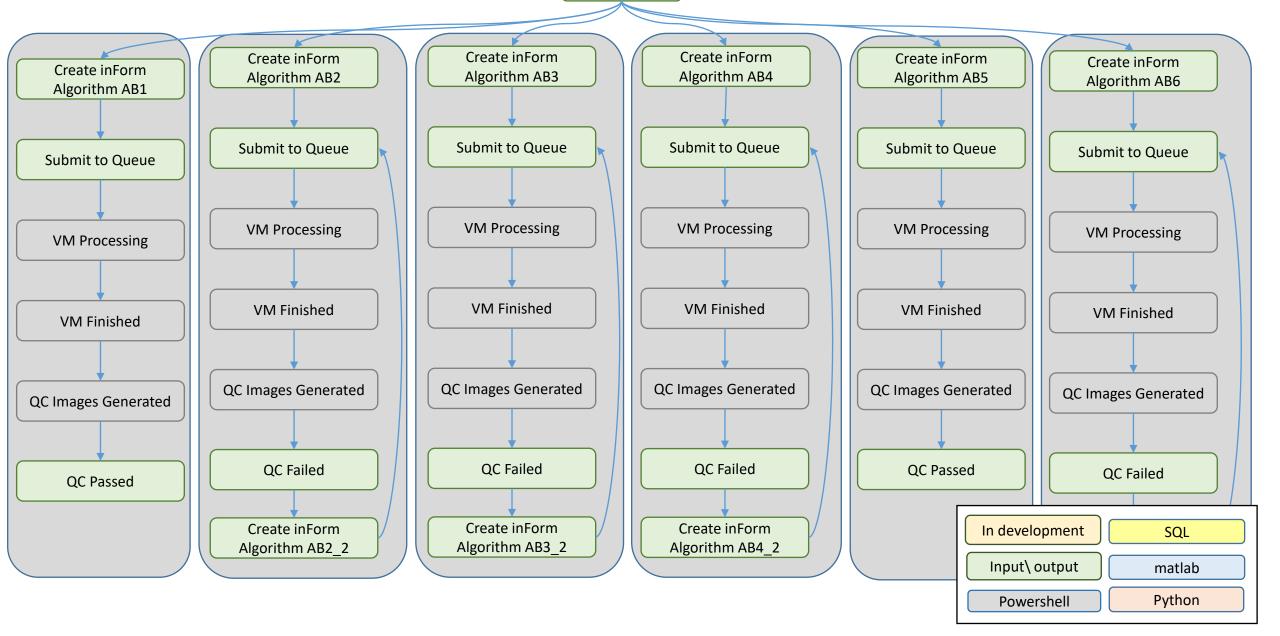
Powershell

Pvthon

shreddat applyflatw downloadim3 fixM2 injectdat extractlayer cleanup image binary, exposures, params Injects the Downloads • Sends the Extracts corrected im3s to a corrected *im3 the first *.Data.dat Applies the Resolves the M# Extracts a *.Data.dat files working files to the image files back into flatfield model files created by for each im3 directory on a im3\flatw path layer as the *.im3 files and image SSD (Improves scanning errors. Extracts a *.fw01 on the source Renames warping *.Parameters.xml and a read time while Added here so location Data.dat files corrections to all working with that the function *.full.xml file for each slide Sends the *.fw to *.fw images the images in can be used Extracts a and *.fw01 to matlab or globally without *.SpectralBasisInfo.Exposur the flatw e.xml for each slide python and the location reduces strain *AstroPathPipeline* Sends the *.xml on the network) data to the im3\xml path Deletes the v0.0.1 only .Data.dat files · Apply the flatfield model defined by meanimage v0.0.1 Only applies the In development SQL warping model to JHU Vectra 3.0 Input\ output matlab

mergeloop SubSteps

SlideReady



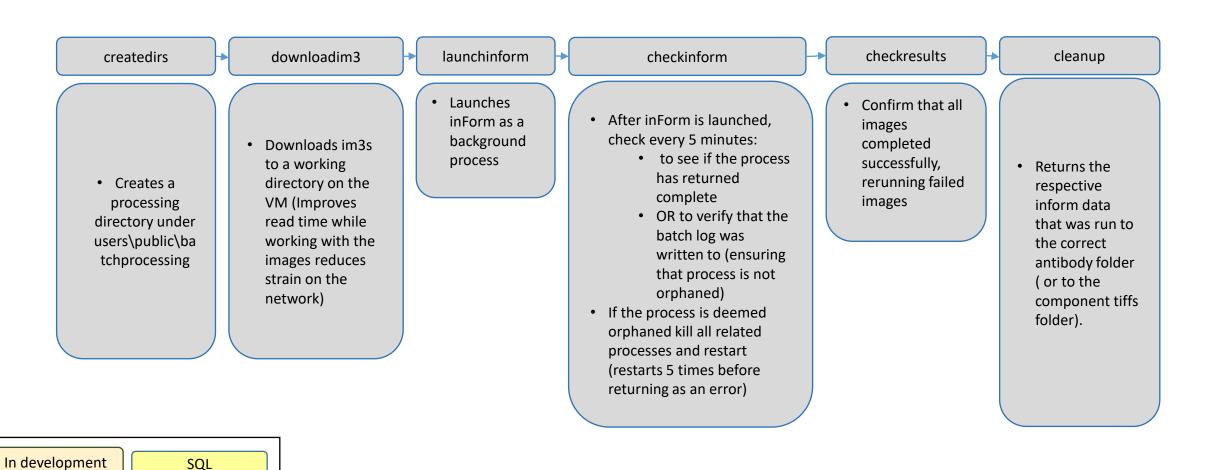
vminform

matlab

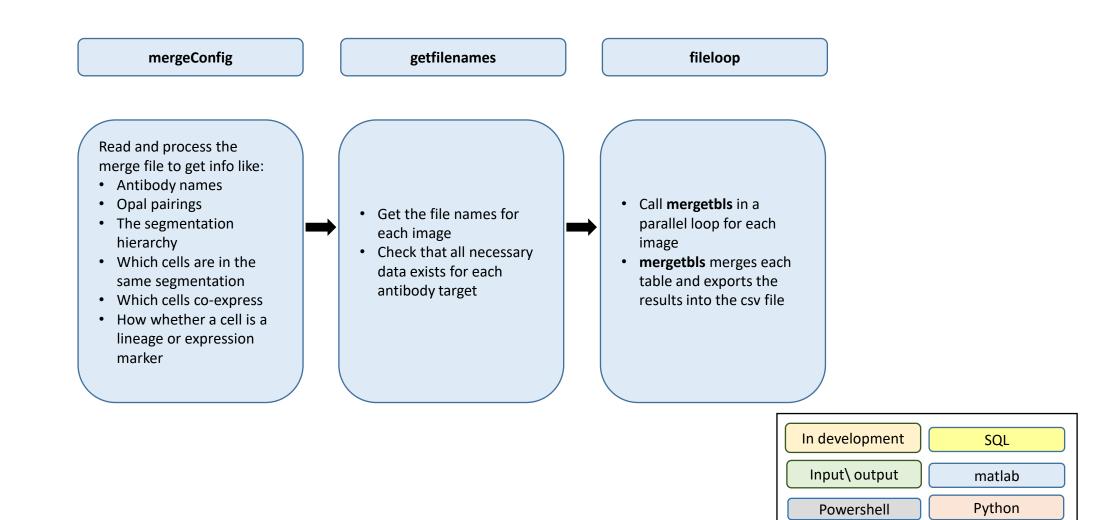
Python

Input\ output

Powershell



MaSS



fileloop mergetbls

