

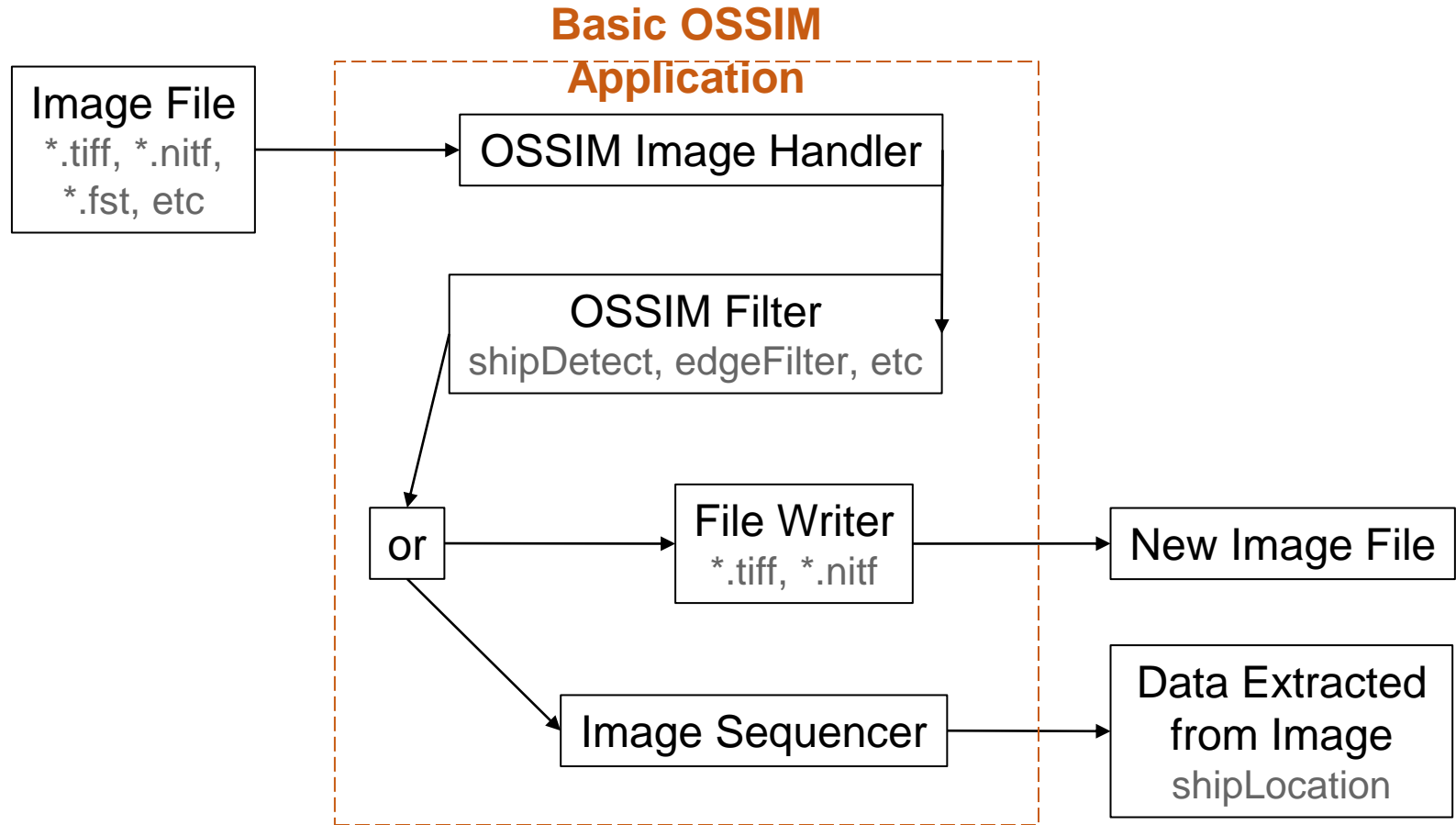


Ship Detection

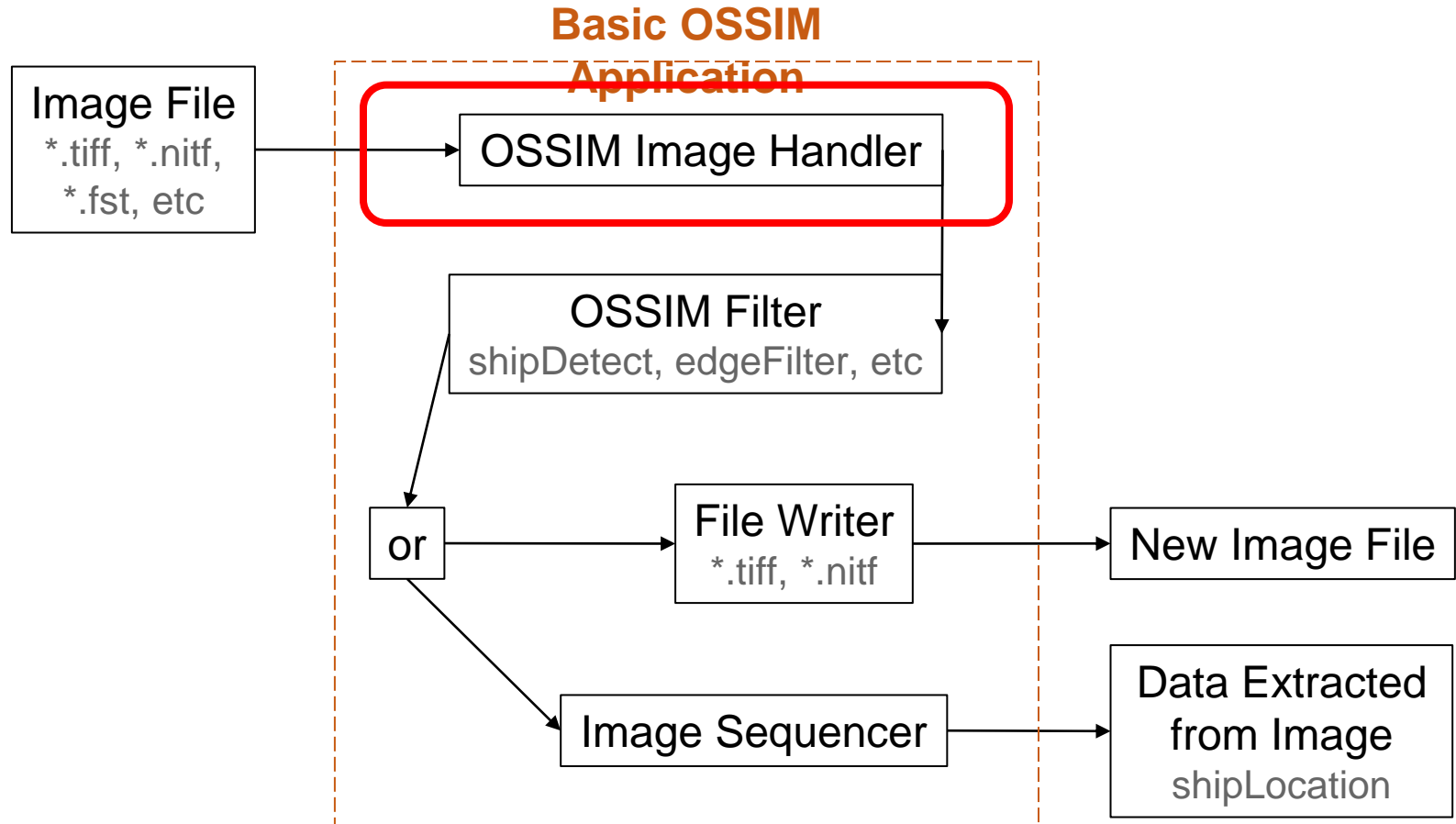
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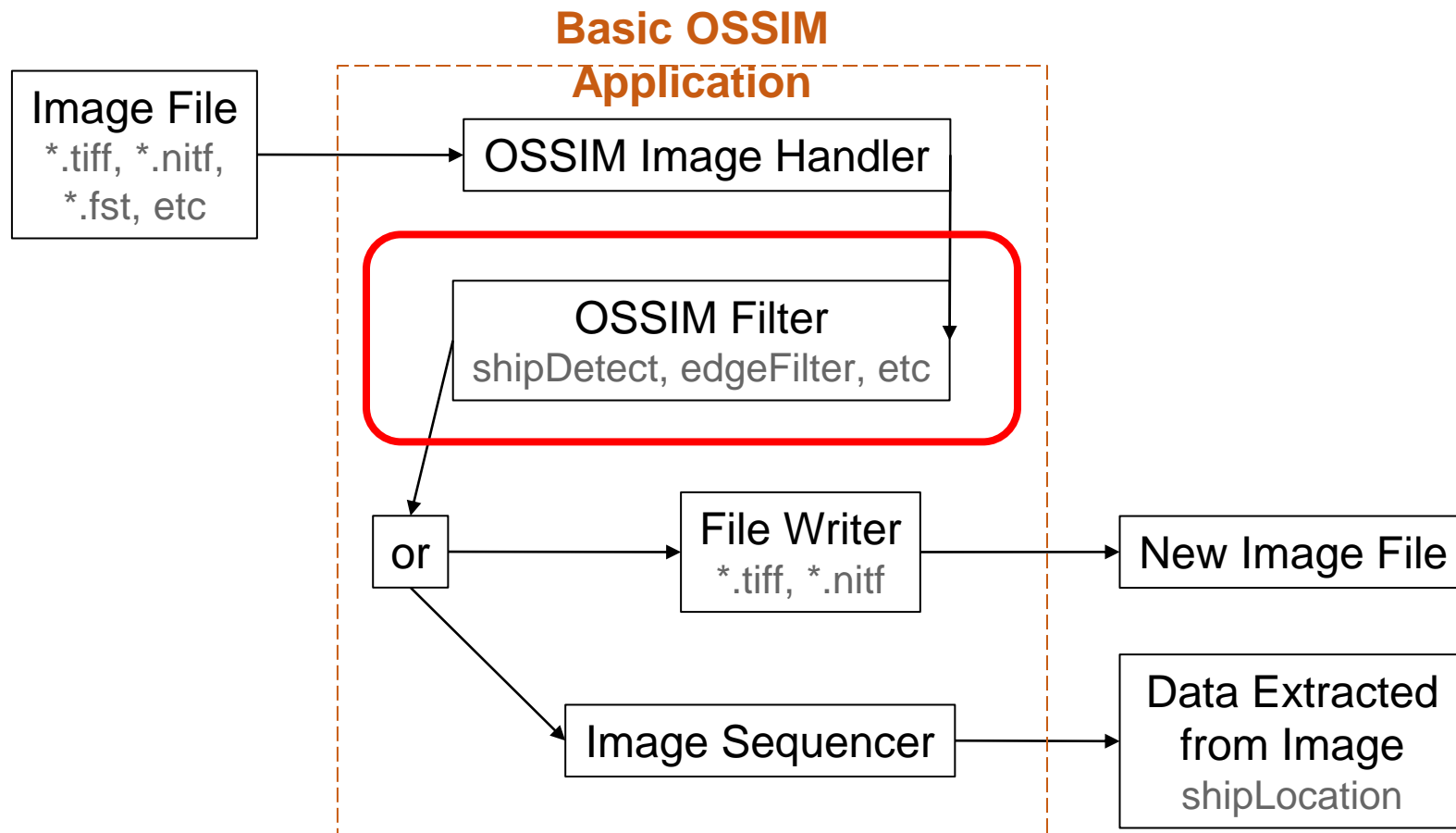
Basic OSSIM Application Map



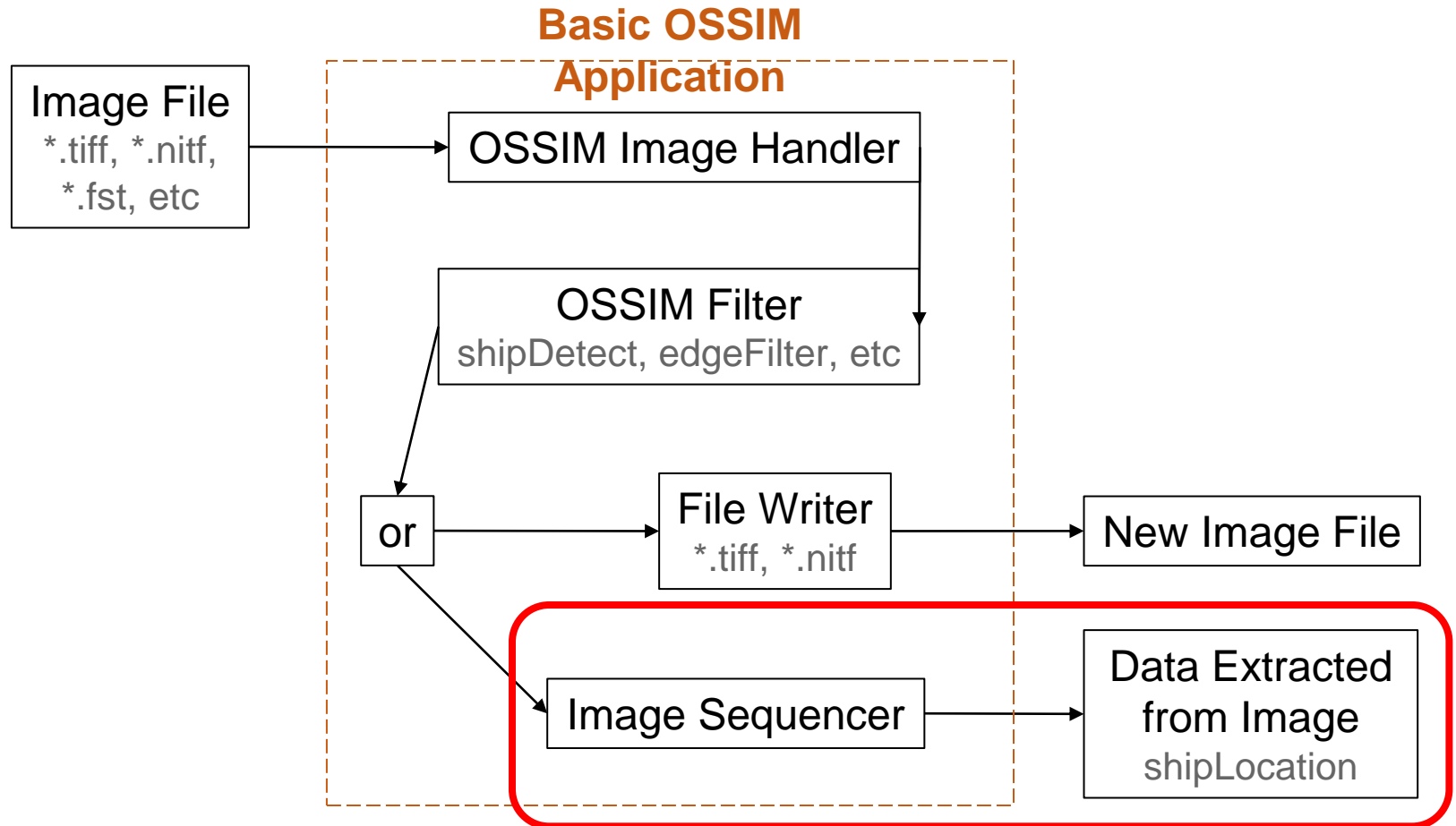
Basic OSSIM Application Map



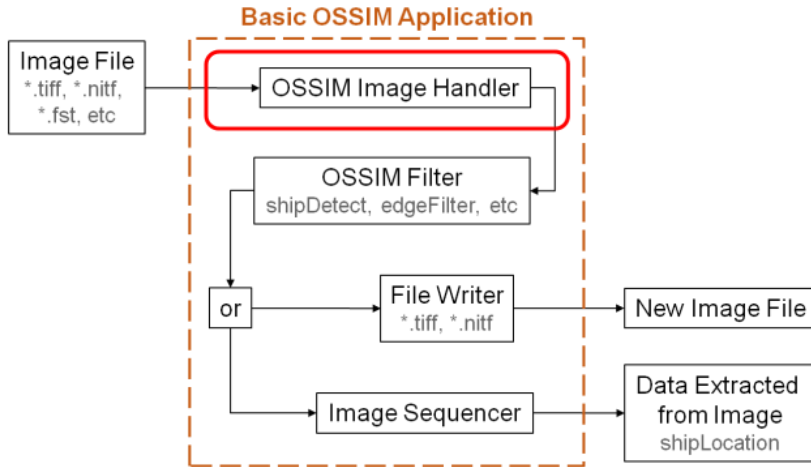
Basic OSSIM Application Map



Basic OSSIM Application Map



Basic OSSIM Application Map

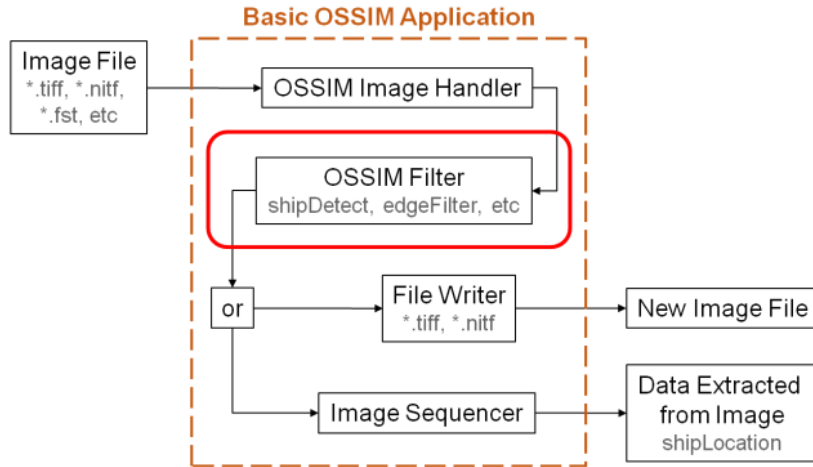


OSSIM Image Handler

We used two different handlers

- Shape (SHP) file handler
- Image handler

Basic OSSIM Application Map



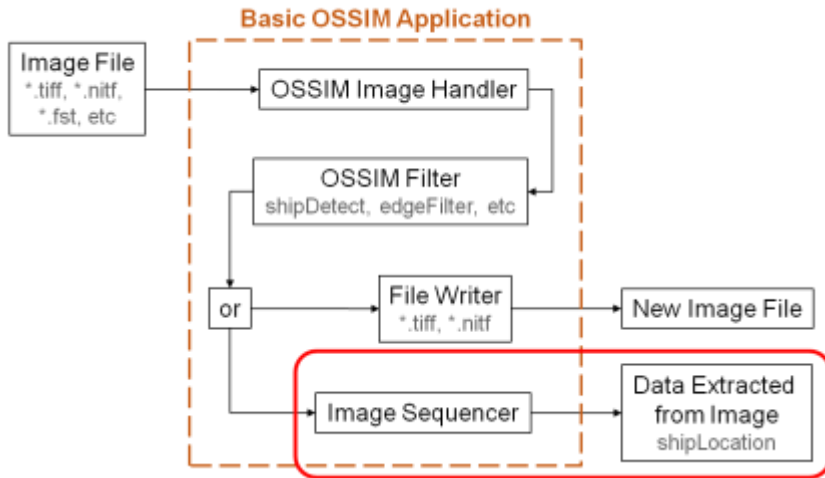
OSSIM Filter(s)

Land Masking Filter
Overlaid SHP file to
“mask out” the land
From the image

shipDetectionAppFilter

- Threshold the image
- Use OpenCV with Blobs
- Write blobs to a KML
- Write placemarks to a KML
- Write blobs to a SHP

Basic OSSIM Application Map



OSSIM Image Sequencer

This ran through the image but it did not output anything

We could have used a file writer if we had wanted to create an output image

$\text{MaxX} - \text{MinX} * \text{MaxY} - \text{MinY} = \text{Area of yellow box}$

$\text{Blob.Area}() = \text{area of blue arrow}$

