

How do I add custom facets to listing and search?

Faceted navigation in eCommerce allows customers the ability to refine down a catalog of products based on their filter criteria.

In order to define facets against a document, you must first register the facet group. This should be done within the `**boot()**` method of a **ServiceProvider** or the `**setup()**` method of a module **ServiceProvider**.

```
\Aero\Search\FacetSettings::registerFacet('stock', 'Stock Status');
```

The document structure can then be extended to add the facet to the document's data.

```
\Aero\Search\Elastic\Documents\ListingDocument::add('string-facets', function ($document) {  
    $stock = $document->getModel()->availableStock() > 0;  
  
    return [  
        \Aero\Search\Elastic\Facet::create('stock', 'Stock Status', (int) $stock, $stock ?  
        'In-stock' : 'Out of stock'),  
    ];  
});
```

Re-index the documents after any modifications to the document structure.

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