A typical cfg-file example

Step 1: First specify what operations to use

Step 2: Create some namespaces from other cfg-files

Step 3: Assign values from namespaces to operations when working on specific phases

Step 4: Override assigned values to customise behaviour

```
operations = vertex_split move merge coarsening interface_coarsening refinement interface_refinement smoothing interface_smoothing optimization

import params_vertex_split         = remeshing_params/vertex_split.cfg
import params_move                 = remeshing_params/move.cfg
import params_merge                = remeshing_params/merge.cfg
import params_coarsening           = remeshing_params/coarsening.cfg
import params_interface_coarsening = remeshing_params/interface_coarsening.cfg
import params_refinement           = remeshing_params/refinement.cfg
import params_interface_refinement = remeshing_params/interface_refinement.cfg
import params_smoothing            = remeshing_params/smoothing.cfg        # Laplacian smoothing of non-interface vertices
import params_interface_smoothing  = remeshing_params/interface_smoothing.cfg
import params_optimization         = remeshing_params/optimization.cfg     # edge flip optimization

#syntax: assign = operation_nameX label_valueY scope_name;

assign = vertex_split         0 vertex_split
assign = vertex_split         1 vertex_split

assign = move                 1 params_move

assign = merge                0 params_merge
assign = merge                1 params_merge

assign = coarsening           0 params_coarsening
assign = coarsening           1 params_coarsening

assign = interface_coarsening 0 params_interface_coarsening
assign = interface_coarsening 1 params_interface_coarsening

assign = refinement           0 params_refinement
assign = refinement           1 params_refinement

assign = interface_refinement 0 params_interface_refinement
assign = interface_refinement 1 params_interface_refinement

assign = smoothing            0 params_smoothing
assign = smoothing            1 params_smoothing

assign = interface_smoothing  0 params_interface_smoothing
assign = interface_smoothing  1 params_interface_smoothing

assign = optimization         0 params_optimization
assign = optimization         1 params_optimization

#syntax: override = operation_nameX label_valueY parameter_nameX parameter_valueY

override = interface_refinement 0 max_iterations 0        # Turn off interface refinement for ambient space
override = interface_coarsening 0 max_iterations 0        # Turn off interface coarsening for ambient space

override = interface_refinement 1 lower_threshold  0.04
override = interface_coarsening 1 upper_threshold  0.001

override = refinement           1 lower_threshold  0.05
override = coarsening           1 upper_threshold  0.001

override = refinement           0 lower_threshold  0.08
override = coarsening           0 upper_threshold  0.02

override = merge                0 angle_threshold  175.0
override = merge                1 angle_threshold  175.0

override = move                 0 strength  0.99
override = move                 1 strength  0.99
```

Step 1 — Specify Operations

- One use the command syntax
  - operations = {operation_name}
  - operation_name = vertex_split | move | merge coarsening | interface_coarsening | refinement | interface_refinement | smoothing | interface_smoothing | optimization
- The operation names are hard-wired into GRIT as keywords and only those names are allowed.
- If a name is omitted then it means that GRIT will not perform this type of operation. It is effectively turned of.
- The names appear unordered and their order has nothing to do with the order that GRIT will perform the corresponding operation batches in.