

C++11 code 2.13.9: Sub-problem (2-13.e): Constructor of **ImpedanceBoundaryEdgeMatrixProvider** → [GitLab](#)

```
2 ImpedanceBoundaryEdgeMatrixProvider :: ImpedanceBoundaryEdgeMatrixProvider (  
3     std :: shared_ptr < lf :: uscalfe :: UniformScalarFESpace < double >> fe_space ,  
4     Eigen :: VectorXd coeff_expansion )  
5     : fe_space_(fe_space) , coeff_expansion_(coeff_expansion) {  
6     auto mesh = fe_space->Mesh() ;  
7     // Obtain an array of boolean flags for the edges of the mesh: 'true'  
8     // indicates that the edge lies on the boundary. This predicate will  
9     // guarantee that the computations are carried only on the boundary edges  
10    bd_flags_ = std :: make_shared < lf :: mesh :: utils :: CodimMeshDataSet < bool >>(  
11        lf :: mesh :: utils :: flagEntitiesOnBoundary (mesh, 1)) ;  
12 }
```