

Health Factor weakness or strength tile

Health Factor weakness/strength tiles provide a summary of the **strengths** and **weaknesses** (in terms of Technical Criteria) for a given Health Factor.

WEAKNESSES FOR TOTAL QUALITY INDEX

- Secure Coding - Input Validation
- Programming Practices - Error and Exception Handling
- Programming Practices - Unexpected Behavior
- Efficiency - Expensive Calls in Loops
- Architecture - Multi-Layers and Data Access
- Programming Practices - Modularity and OO Encapsulation Conformity
- Efficiency - Memory, Network and Disk Space Management
- Secure Coding - Time and State

STRENGTHS FOR ROBUSTNESS

- Archite ... ture - OS and Platform Independence
- Architecture - Object-level Dependencies
- Architecture - Reuse
- Complex ... ic and Control Structure Complexity

i Note that depending on whether Critical Violations or ALL Violations are being displayed (see [Data Filtering on Critical Violations](#)), the content will reflect the filter that is currently active, displaying only Critical Violations or ALL Violations accordingly.

These tiles provide:

- **Weaknesses:** Items displayed are the Technical Criteria considered to have at least one critical violation. The Technical Criteria are sorted from worst (top) to least bad (bottom).
- **Strengths:** Items displayed at the Technical Criteria that do not have any critical violations (this includes Technical Criteria that have no critical Quality Rules or Technical Criteria that have critical rules with no violations).

Configuration

- **type:** tile type has to be *BusinessCriteria*
- **parameters**
 - **business** the health factor ID
 - **indicator** the health factor name
 - **orderBy** strength or weakness
- **color:** tile color
- other parameters for sizing and positioning of the tile - see [Tile Sizing and Positioning](#)

Example

```
{
  "type": "BusinessCriteria",
  "parameters": {
    "business": "60012",
    "indicator": "Changeability",
    "orderBy": "strength"
  },
  "color": "green",
  "col": 3,
  "row": 3,
  "sizex": 2,
  "sizey": 1,
  "min-sizex": 2,
  "min-sizey": 1,
  "max-sizex": 3,
  "max-sizey": 5
}
```