

# Size - Baseline

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Page frame name:

FRAME\_PORTAL\_AFP\_VIEW

This view is designed to deliver baseline Automated Function Point information about a set of applications (i.e., a System).



- This view requires access to at least one Application.
- Note also that this view is not accessible unless you have the correct EFP/AFP license from CAST.

## Layout

The screenshot displays the CAST Engineering Dashboard for the 'PARIS' system. The top navigation bar shows 'Size - Baseline' and 'CAST'. The left hand panel contains various statistics:

Category	Value
Number of Applications	1
Debt	\$ 16,819
Debt added	\$ 16,819
Debt removed	\$ 0
STATISTICS	
TQI	2.78
Transferability	3.04
Changeability	3.01
Robustness	2.86
Performance	2.31
Security	1.99
Critical Violations	19
- per kLOC	17.46
- per App	19
Complex Objects	0
- w/ violations	0
Last Updated	07-02-2012
TECHNICAL SIZE	
kLOCs	1
Files	0
FUNCTIONAL WEIGHT	
BFP	18
FP (Est.)	60
Total CC	142
TECHNOLOGIES TOP 5 (kLOCs)	
SQL Server	1

The main window contains four panels:

- FUNCTION POINTS ESTIMATIONS:** A table showing data for application 'MEUDON':

Application Name	Unadjusted Tra...	Unadjusted Dat...	Total
MEUDON	0	60	60
- QUANTITY OVERVIEW:** A table showing data for application 'MEUDON':

Application Name	Artifacts	Objects	kLOCs	Total CC
MEUDON	41	120	1,088	142
- CRITICAL VIOLATIONS:** A table showing data for application 'MEUDON':

Total	TQI	Rbst	Perf	Secu	Trsf	Chng
MEUDON	19	15	4	15	-	-
- HEALTH FACTORS:** A table showing data for application 'MEUDON':

Grade	Rbst	Perf	Secu	Trsf	Chng	SEI
MEUDON	2.86	2.31	1.99	3.04	3.01	3.34

## Left hand panel

Please see the section **Left hand panel** in [Using the CAST Engineering Dashboard](#) for more information about this.

## Main window panels

Four main panels are available:

### Function Points Estimation

Shows an estimation of the baseline Unadjusted Transactional Functions and Unadjusted Data Functions for the applications in the selected system. The total value is a combination of the two other values.

- Clickable hyperlinks on the **Unadjusted Transactional Functions** and **Unadjusted Data Functions** values lead to drill down pages that list the constituent objects and their individual estimated FP values, for example:

Unadjusted Transactional Functions (displayed in **FRAME\_PORTAL\_AFP\_TF** view):

PARIS - MEUDON Transactional FP | CAST

**UNADJUSTED TRANSACTIONAL FUNCTIONS**

Object Name	Function Points	Module Name	Function Point details
[D:\CAST\TestApplications\Java\Castpubs JSP mapping>ListAuthors.jsp]	6	MEUDON IFPUG objects	DET: 27, FTR: 4, TF: 6 (Input)

[Export all](#)

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Unadjusted Data Functions (displayed in **FRAME\_PORTAL\_AFP\_DF** view):

PARIS - MEUDON Data FP | CAST

**UNADJUSTED DATA FUNCTIONS**

Object Name	Function Points	Module Name	Function Point details
WESLEY.CASTPUBS..authors	7	MEUDON IFPUG o...	DET: 12, RET: 2, ILF: 7 (Internal)
WESLEY.CASTPUBS..Invoice	7	MEUDON IFPUG o...	DET: 8, RET: 2, ILF: 7 (Internal)
WESLEY.CASTPUBS..Orders	7	MEUDON IFPUG o...	DET: 8, RET: 2, ILF: 7 (Internal)
WESLEY.CASTPUBS..sales	7	MEUDON IFPUG o...	DET: 6, RET: 2, ILF: 7 (Internal)
WESLEY.CASTPUBS..Stock	7	MEUDON IFPUG o...	DET: 10, RET: 2, ILF: 7 (Internal)
WESLEY.CASTPUBS..titles	7	MEUDON IFPUG o...	DET: 13, RET: 2, ILF: 7 (Internal)
[D:\CAST\TestApplications\Mainframe\Cobol\JCL,MFJDEM12.RPTADVA-FILE	5	MEUDON IFPUG o...	DET: 1, RET: 1, EIF: 5 (External)
[D:\CAST\TestApplications\Mainframe\Cobol\JCL,MFJDEM12.RPTADVB-FILE	5	MEUDON IFPUG o...	DET: 1, RET: 1, EIF: 5 (External)
[D:\CAST\TestApplications\Mainframe\Cobol\JCL,MFJDEM12.RPTFBM-FILE	5	MEUDON IFPUG o...	DET: 1, RET: 1, EIF: 5 (External)



With regard to the Function Point Details column:

- **DET = Data Element Types** (a non-repetitive field in an ILF)
- **RET = Record Element Types** (a subgroup of data elements inside a logical file)
- **FTR = File Type References** (a file referenced by a transaction)
- **TF = Transactional Function**
- **ILF = Internal Logical File**
- **EIF = External Interface Files**

## Quantity Overview

Displays basic quantity information for the selected entity (system):

- Artifacts
- Objects
- kLOCs
- Total CC

## Critical Violations

Displays the number of violations (i.e., defects for rules that have been tagged "critical contribution" in the Assessment Model) split per application, and per Health Factor in the current snapshot. Hyperlinks lead to the [Risk Indicators - Object Level](#) listing the defects.

## Health Factors by Application

Displays the Health Factor grades for each application (including the SEI Maintainability index). The grade table highlights (with a color-coded value) the grade of each Health Factor in the current snapshot. Hyperlinks lead to the [Investigation - Quality Model Drilldown](#).