

COCOMO II - Constructive Cost Model

Software Size

Sizing MethodSource Lines of Code

SLOC

% Design Modified

% Code Modified

% Integration Required

Assessment and Assimilation  
(0% - 8%)

Software Understanding  
(0% - 50%)

Unfamiliarity  
(0-1)

New2000

Reused00

Modified

Software Scale Drivers

PrecedentednessHighArchitecture / Risk ResolutionNominalProcess MaturityNominal

Development FlexibilityHighTeam CohesionNominal

Software Cost Drivers

Product

Required Software ReliabilityLow

Data Base SizeLow

Product ComplexityLow

Developed for ReusabilityNominal

Documentation Match to Lifecycle NeedsHigh

Personnel

Analyst CapabilityHigh

Programmer CapabilityHigh

Personnel ContinuityHigh

Application ExperienceHigh

Platform ExperienceHigh

Language and Toolset ExperienceHigh

Platform

Time ConstraintNominal

Storage ConstraintNominal

Platform VolatilityLow

Project

Use of Software ToolsNominal

Multisite DevelopmentHigh

Required Development ScheduleLow

MaintenanceOff

Software Labor Rates

Cost per Person-Month (Dollars)2500

Calculate

Results

Software Development (Elaboration and Construction)

Staffing Profile

Effort = 2.2 Person-months  
Schedule = 3.9 Months  
Cost = \$5611

Your project is too small to display a staffing profile due to truncation.

Total Equivalent Size = 2000 SLOC  
Effort Adjustment Factor (EAF) = 0.36

Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	0.1	0.5	0.3	\$337
Elaboration	0.5	1.4	0.4	\$1347
Construction	1.7	2.4	0.7	\$4264
Transition	0.3	0.5	0.6	\$673

Software Effort Distribution for RUP/MBASE (Person-Months)

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.0	0.1	0.2	0.0
Environment/CM	0.0	0.0	0.1	0.0
Requirements	0.1	0.1	0.1	0.0
Design	0.0	0.2	0.3	0.0
Implementation	0.0	0.1	0.6	0.1
Assessment	0.0	0.1	0.4	0.1
Deployment	0.0	0.0	0.1	0.1

Your output file is at [http://softwarecost.org/tools/COCOMO/data/COCOMO\\_July\\_23\\_2024\\_11\\_05\\_13\\_317262.txt](http://softwarecost.org/tools/COCOMO/data/COCOMO_July_23_2024_11_05_13_317262.txt)

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