

Cost Estimation

General Software Characteristics:

1. Data Communications: 3
2. Data Processing: 4
3. Performance: 0
4. Heavily Used Configuration: 0
5. Transaction Rate: 0
6. Online Data Entry: 0
7. End-User Efficiency: 2
8. Online Update: 0
9. Complex Processing: 0
10. Reusability: 1
11. Installation Ease: 0
12. Operational Ease: 0
13. Multiple Sites: 0
14. Facilitate Change: 0

UFP Calculation

Function Type	Amount	Complexity
EI	12	3
EO	3	5
EQ	1	4
ILF	1	7
EIF	1	10

UFP = 72

VAF Calculation

VAF= .65 + (.01 * 10) = **.75**

AFP Calculation

$$72 * .75 = 54$$

LOC Calculation

$$54 * 54 = \mathbf{2916 \text{ LOC}}$$

COST Calculation

$$2.9 \text{ KLOC}$$

$$E = 2.4(2.9)^{1.05} = \text{approx. } 7.3 \text{ person/month}$$

$$T = 2.5(7.3)^{0.38} = 5.3 \text{ months}$$

$$P = 7.3/5.3 = 1.4 = 1 \text{ person}$$

$$\text{Prod} = 2916/4.4 = 662.7 \text{ LOC/month}$$

$$\text{Cost} = (7.3 * 6750) + 6799 = \$56,074$$

Additional Costs:

Cloud Hosting Provider (includes https) \$49 month

Training = 6750