

Description	Amount	Calculations
Total Manual regression execution time per sprint	16 hours	-
Manual regression execution time saved by automation per sprint	2 hours	-
Automation regression scripts development time per sprint	8 hours	-
Manual regression frequency per month	2 tests	Based on number of sprints per month which is 2 sprints
Total manual regression per month	32 hours	Manual regression frequency per month * Total Manual regression execution time
Total development time per month	16 hours	Automation regression scripts development time * number of sprints
Estimated ROI for first year	-17%	$\frac{((\text{Total manual regression time for 1st year} - \text{Total automation regression scripts development time for 1st year}) / \text{Total automation regression scripts development time for 1st year}) * 100}{}$

Months	Manual regression	automation development	Time (hours)
1	32	16	-16
2	28	16	-28
3	24	16	-36
4	20	16	-40
5	16	16	-40
6	12	16	-36
7	8	16	-28
8	4	16	-16
9	4	16	-4
10	4	16	8
11	4	16	20
12	4	16	32

