

Performance test report

AbsoluteUI | Kasadara Technology Solutions Pvt Ltd
Recorded run: 2026-09-29 08:01 UTC, commit f9ec31d. Library version 0.9.3.

Components declare performance budgets in their metadata. The end-to-end suite measures them in a production build under a strict Content Security Policy, one test at a time after all functional tests, and fails the release when a budget is exceeded.

85 / 85

Measurements within budget

0

Third-party runtime dependencies

97

Components

405 / 405

End-to-end tests passed

Times are wall-clock milliseconds in headless Chromium on the machine below. They are comparable across releases on similar hardware, not with numbers published by other libraries.

Environment

Machine	Intel(R) Core(TM) i7-10510U CPU @ 1.80GHz, 8 logical cores, 32 GB RAM
System	win32 10.0.26200 (x64), Node.js v22.18.0
Browser	Chromium bundled with Playwright (headless, Desktop Chrome profile), Playwright 1.63.0

Every measurement

Suite	Test	Measurement	Measured	Budget	Headroom
chart performance	chart performance: line 5 x 1,000 < 50 ms; bar 50 x 4 < 30 ms; pie 12 slices < 15 ms; sparkline < 1 ms	line	9.30 ms	< 50 ms	81%
chart performance	chart performance: line 5 x 1,000 < 50 ms; bar 50 x 4 < 30 ms; pie 12 slices < 15 ms; sparkline < 1 ms	resize	8.00 ms	< 50 ms	84%
chart performance	chart performance: line 5 x 1,000 < 50 ms; bar 50 x 4 < 30 ms; pie 12 slices < 15 ms; sparkline < 1 ms	bar	5.10 ms	< 30 ms	83%
chart performance	chart performance: line 5 x 1,000 < 50 ms; bar 50 x 4 < 30 ms; pie 12 slices < 15 ms; sparkline < 1 ms	pie	1.90 ms	< 15 ms	87%
chart performance	chart performance: line 5 x 1,000 < 50 ms; bar 50 x 4 < 30 ms; pie 12 slices < 15 ms; sparkline < 1 ms	spark	0.06 ms	< 1 ms	95%

Suite	Test	Measurement	Measured	Budget	Headroom
data table performance	data table performance: render 1,000 x 8 < 150 ms; sort 10,000 rows: text < 100 ms, numeric < 50 ms	render	15.7 ms	< 150 ms	90%
data table performance	data table performance: render 1,000 x 8 < 150 ms; sort 10,000 rows: text < 100 ms, numeric < 50 ms	sort	51.1 ms	< 100 ms	49%
data table performance	data table performance: render 1,000 x 8 < 150 ms; sort 10,000 rows: text < 100 ms, numeric < 50 ms	numeric sort	4.90 ms	< 50 ms	90%
data table performance	data grid performance: 10,000 rows filter < 50 ms, multi-sort < 120 ms, CSV < 150 ms; 100,000 virtual rows create < 200 ms, scroll < 16 ms	rendered	26.0 ms	< 80 ms	68%
data table performance	data grid performance: 10,000 rows filter < 50 ms, multi-sort < 120 ms, CSV < 150 ms; 100,000 virtual rows create < 200 ms, scroll < 16 ms	filter	4.00 ms	< 50 ms	92%
data table performance	data grid performance: 10,000 rows filter < 50 ms, multi-sort < 120 ms, CSV < 150 ms; 100,000 virtual rows create < 200 ms, scroll < 16 ms	multi sort	4.10 ms	< 120 ms	97%
data table performance	data grid performance: 10,000 rows filter < 50 ms, multi-sort < 120 ms, CSV < 150 ms; 100,000 virtual rows create < 200 ms, scroll < 16 ms	csv	36.0 ms	< 150 ms	76%
data table performance	data grid performance: 10,000 rows filter < 50 ms, multi-sort < 120 ms, CSV < 150 ms; 100,000 virtual rows create < 200 ms, scroll < 16 ms	create	58.8 ms	< 200 ms	71%
data table performance	data grid performance: 10,000 rows filter < 50 ms, multi-sort < 120 ms, CSV < 150 ms; 100,000 virtual rows create < 200 ms, scroll < 16 ms	scroll	1.60 ms	< 16 ms	90%
perf-designer	theme designer: edit -> compliance < 500 ms, edit -> preview < 400 ms (median of 5)	timings compliance	179.7 ms	< 500 ms	64%
perf-designer	theme designer: edit -> compliance < 500 ms, edit -> preview < 400 ms (median of 5)	timings preview	156.4 ms	< 400 ms	61%
R1 form performance budgets	TextInput.create: < 1 ms average per instance (1000 instances)	avg	0.05 ms	< 1 ms	95%
R1 form performance budgets	Textarea.create: < 1 ms average per instance (1000 instances)	avg	0.04 ms	< 1 ms	96%
R1 form performance budgets	NumberInput.create: < 1 ms average per instance (1000 instances)	avg	0.08 ms	< 1 ms	92%
R1 form performance budgets	Checkbox.create: < 1 ms average per instance (1000 instances)	avg	0.05 ms	< 1 ms	95%

Suite	Test	Measurement	Measured	Budget	Headroom
R1 form performance budgets	Switch.create: < 1 ms average per instance (1000 instances)	avg	0.03 ms	< 1 ms	97%
R1 form performance budgets	CheckboxGroup.create: < 2 ms average per instance (100 instances)	avg	0.19 ms	< 2 ms	90%
R1 form performance budgets	RadioGroup.create: < 2 ms average per instance (100 instances)	avg	0.12 ms	< 2 ms	94%
R1 form performance budgets	Select.create with 1,000 options: < 100 ms	t	5.40 ms	< 100 ms	95%
R1 form performance budgets	Form.validate() over 200 invalid controls: < 150 ms	t	33.5 ms	< 150 ms	78%
R2 navigation and overlay performance budgets	Stepper.create (10 steps) < 5 ms; MenuBar.create (8 menus x 20 items) < 50 ms; Sidebar.create (200 items) < 50 ms	stepper	0.40 ms	< 5 ms	92%
R2 navigation and overlay performance budgets	Stepper.create (10 steps) < 5 ms; MenuBar.create (8 menus x 20 items) < 50 ms; Sidebar.create (200 items) < 50 ms	menubar	2.40 ms	< 50 ms	95%
R2 navigation and overlay performance budgets	Stepper.create (10 steps) < 5 ms; MenuBar.create (8 menus x 20 items) < 50 ms; Sidebar.create (200 items) < 50 ms	sidebar	2.60 ms	< 50 ms	95%
R2 navigation and overlay performance budgets	ContextMenu create + open (200 items) < 100 ms; HoverCard.show and BottomSheet.open < 16 ms	context	8.30 ms	< 100 ms	92%
R2 navigation and overlay performance budgets	ContextMenu create + open (200 items) < 100 ms; HoverCard.show and BottomSheet.open < 16 ms	hover	0.70 ms	< 16 ms	96%
R2 navigation and overlay performance budgets	ContextMenu create + open (200 items) < 100 ms; HoverCard.show and BottomSheet.open < 16 ms	sheet	1.60 ms	< 16 ms	90%
R2 navigation and overlay performance budgets	SortableList.create (500 items) < 100 ms; one keyboard move with 500 items < 16 ms	create	12.0 ms	< 100 ms	88%

Suite	Test	Measurement	Measured	Budget	Headroom
R2 navigation and overlay performance budgets	SortableList.create (500 items) < 100 ms; one keyboard move with 500 items < 16 ms	move	0.20 ms	< 16 ms	99%
R2 picker performance budgets	Calendar.create (2 months, range mode): < 10 ms average per instance (100 instances)	avg	1.01 ms	< 10 ms	90%
R2 picker performance budgets	DateRangePicker.create: < 15 ms average per instance (100 instances)	avg	1.64 ms	< 15 ms	89%
R2 picker performance budgets	MonthPicker.create: < 5 ms average per instance (100 instances)	avg	0.18 ms	< 5 ms	96%
R2 picker performance budgets	YearPicker.create: < 5 ms average per instance (100 instances)	avg	0.17 ms	< 5 ms	97%
R2 picker performance budgets	QuarterPicker.create: < 5 ms average per instance (100 instances)	avg	0.21 ms	< 5 ms	96%
R2 picker performance budgets	DurationPicker.create: < 2 ms average per instance (100 instances)	avg	0.14 ms	< 2 ms	93%
R3 performance	charts: scatter 2,000 < 60 ms; combo 3 x 200 < 60 ms; waterfall 200 < 40 ms; histogram 10,000 < 40 ms; heatmap 24 x 30 < 60 ms; radar 5 x 12 < 30 ms; treemap 500 < 60 ms; funnel 20 < 20 ms; box plot 4 x 50 < 80 ms; bullet 30 < 30 ms; gauge < 2 ms	scatter	6.70 ms	< 60 ms	89%
R3 performance	charts: scatter 2,000 < 60 ms; combo 3 x 200 < 60 ms; waterfall 200 < 40 ms; histogram 10,000 < 40 ms; heatmap 24 x 30 < 60 ms; radar 5 x 12 < 30 ms; treemap 500 < 60 ms; funnel 20 < 20 ms; box plot 4 x 50 < 80 ms; bullet 30 < 30 ms; gauge < 2 ms	combo	10.7 ms	< 60 ms	82%
R3 performance	charts: scatter 2,000 < 60 ms; combo 3 x 200 < 60 ms; waterfall 200 < 40 ms; histogram 10,000 < 40 ms; heatmap 24 x 30 < 60 ms; radar 5 x 12 < 30 ms; treemap 500 < 60 ms; funnel 20 < 20 ms; box plot 4 x 50 < 80 ms; bullet 30 < 30 ms; gauge < 2 ms	waterfall	9.40 ms	< 40 ms	76%

Suite	Test	Measurement	Measured	Budget	Headroom
R3 performance	charts: scatter 2,000 < 60 ms; combo 3 x 200 < 60 ms; waterfall 200 < 40 ms; histogram 10,000 < 40 ms; heatmap 24 x 30 < 60 ms; radar 5 x 12 < 30 ms; treemap 500 < 60 ms; funnel 20 < 20 ms; box plot 4 x 50 < 80 ms; bullet 30 < 30 ms; gauge < 2 ms	histogram	3.90 ms	< 40 ms	90%
R3 performance	charts: scatter 2,000 < 60 ms; combo 3 x 200 < 60 ms; waterfall 200 < 40 ms; histogram 10,000 < 40 ms; heatmap 24 x 30 < 60 ms; radar 5 x 12 < 30 ms; treemap 500 < 60 ms; funnel 20 < 20 ms; box plot 4 x 50 < 80 ms; bullet 30 < 30 ms; gauge < 2 ms	heatmap	14.5 ms	< 60 ms	76%
R3 performance	charts: scatter 2,000 < 60 ms; combo 3 x 200 < 60 ms; waterfall 200 < 40 ms; histogram 10,000 < 40 ms; heatmap 24 x 30 < 60 ms; radar 5 x 12 < 30 ms; treemap 500 < 60 ms; funnel 20 < 20 ms; box plot 4 x 50 < 80 ms; bullet 30 < 30 ms; gauge < 2 ms	radar	2.80 ms	< 30 ms	91%
R3 performance	charts: scatter 2,000 < 60 ms; combo 3 x 200 < 60 ms; waterfall 200 < 40 ms; histogram 10,000 < 40 ms; heatmap 24 x 30 < 60 ms; radar 5 x 12 < 30 ms; treemap 500 < 60 ms; funnel 20 < 20 ms; box plot 4 x 50 < 80 ms; bullet 30 < 30 ms; gauge < 2 ms	treemap	3.50 ms	< 60 ms	94%
R3 performance	charts: scatter 2,000 < 60 ms; combo 3 x 200 < 60 ms; waterfall 200 < 40 ms; histogram 10,000 < 40 ms; heatmap 24 x 30 < 60 ms; radar 5 x 12 < 30 ms; treemap 500 < 60 ms; funnel 20 < 20 ms; box plot 4 x 50 < 80 ms; bullet 30 < 30 ms; gauge < 2 ms	funnel	1.90 ms	< 20 ms	90%
R3 performance	charts: scatter 2,000 < 60 ms; combo 3 x 200 < 60 ms; waterfall 200 < 40 ms; histogram 10,000 < 40 ms; heatmap 24 x 30 < 60 ms; radar 5 x 12 < 30 ms; treemap 500 < 60 ms; funnel 20 < 20 ms; box plot 4 x 50 < 80 ms; bullet 30 < 30 ms; gauge < 2 ms	box	18.6 ms	< 80 ms	77%
R3 performance	charts: scatter 2,000 < 60 ms; combo 3 x 200 < 60 ms; waterfall 200 < 40 ms; histogram 10,000 < 40 ms; heatmap 24 x 30 < 60 ms; radar 5 x 12 < 30 ms; treemap 500 < 60 ms; funnel 20 < 20 ms; box plot 4 x 50 < 80 ms; bullet 30 < 30 ms; gauge < 2 ms	bullet	4.00 ms	< 30 ms	87%

Suite	Test	Measurement	Measured	Budget	Headroom
R3 performance	charts: scatter 2,000 < 60 ms; combo 3 x 200 < 60 ms; waterfall 200 < 40 ms; histogram 10,000 < 40 ms; heatmap 24 x 30 < 60 ms; radar 5 x 12 < 30 ms; treemap 500 < 60 ms; funnel 20 < 20 ms; box plot 4 x 50 < 80 ms; bullet 30 < 30 ms; gauge < 2 ms	gauge	0.30 ms	< 2 ms	85%
R3 performance	dashboard: grid of 50 items < 40 ms; keyboard move step < 16 ms; stat card < 2 ms	create	3.90 ms	< 40 ms	90%
R3 performance	dashboard: grid of 50 items < 40 ms; keyboard move step < 16 ms; stat card < 2 ms	move	0.90 ms	< 16 ms	94%
R3 performance	dashboard: grid of 50 items < 40 ms; keyboard move step < 16 ms; stat card < 2 ms	card	0.30 ms	< 2 ms	85%
R3 performance	rich text: create with 200 paragraphs < 80 ms; typing in a 200-paragraph document < 16 ms per character	create	14.8 ms	< 80 ms	82%
R3 performance	rich text: create with 200 paragraphs < 80 ms; typing in a 200-paragraph document < 16 ms per character	per char	7.50 ms	< 16 ms	53%
R3 phase 2 performance	pivot: 100,000 records to ready < 600 ms; expanding a group < 250 ms; virtual scroll step with 5,000 rows < 50 ms	ready	243.7 ms	< 600 ms	59%
R3 phase 2 performance	pivot: 100,000 records to ready < 600 ms; expanding a group < 250 ms; virtual scroll step with 5,000 rows < 50 ms	expand	81.0 ms	< 250 ms	68%
R3 phase 2 performance	pivot: 100,000 records to ready < 600 ms; expanding a group < 250 ms; virtual scroll step with 5,000 rows < 50 ms	scroll	15.7 ms	< 50 ms	69%
R3 phase 2 performance	org chart: 1,000 visible nodes < 80 ms; expand or collapse < 80 ms; layout of 5,000 nodes < 60 ms	create	24.4 ms	< 80 ms	69%
R3 phase 2 performance	org chart: 1,000 visible nodes < 80 ms; expand or collapse < 80 ms; layout of 5,000 nodes < 60 ms	toggle	9.80 ms	< 80 ms	88%
R3 phase 2 performance	org chart: 1,000 visible nodes < 80 ms; expand or collapse < 80 ms; layout of 5,000 nodes < 60 ms	layout	6.80 ms	< 60 ms	89%
R3 phase 3a performance	scheduler: week with 300 events < 120 ms; next month with 1,000 events < 120 ms; timeline with 500 resources < 150 ms	week	32.3 ms	< 120 ms	73%
R3 phase 3a performance	scheduler: week with 300 events < 120 ms; next month with 1,000 events < 120 ms; timeline with 500 resources < 150 ms	month	40.7 ms	< 120 ms	66%

Suite	Test	Measurement	Measured	Budget	Headroom
R3 phase 3a performance	scheduler: week with 300 events < 120 ms; next month with 1,000 events < 120 ms; timeline with 500 resources < 150 ms	timeline	52.5 ms	< 150 ms	65%
R3 phase 3a performance	pickers: business calendar with 12 months < 40 ms; recurrence picker < 15 ms; schedule picker with recurrence < 30 ms	business	8.60 ms	< 40 ms	78%
R3 phase 3a performance	pickers: business calendar with 12 months < 40 ms; recurrence picker < 15 ms; schedule picker with recurrence < 30 ms	recurrence	4.20 ms	< 15 ms	72%
R3 phase 3a performance	pickers: business calendar with 12 months < 40 ms; recurrence picker < 15 ms; schedule picker with recurrence < 30 ms	schedule	11.2 ms	< 30 ms	63%
R3 phase 3b performance	kanban: 8 columns with 1,000 cards < 120 ms; keyboard move < 40 ms; one virtual cell of 5,000 cards < 80 ms	create	25.8 ms	< 120 ms	78%
R3 phase 3b performance	kanban: 8 columns with 1,000 cards < 120 ms; keyboard move < 40 ms; one virtual cell of 5,000 cards < 80 ms	move	6.90 ms	< 40 ms	83%
R3 phase 3b performance	kanban: 8 columns with 1,000 cards < 120 ms; keyboard move < 40 ms; one virtual cell of 5,000 cards < 80 ms	virtual	6.30 ms	< 80 ms	92%
R3 phase 3b performance	ganttt: 2,000 tasks with 1,500 dependencies < 150 ms; a move < 60 ms; scheduleGantt for 10,000 tasks < 80 ms	create	17.5 ms	< 150 ms	88%
R3 phase 3b performance	ganttt: 2,000 tasks with 1,500 dependencies < 150 ms; a move < 60 ms; scheduleGantt for 10,000 tasks < 80 ms	move	17.2 ms	< 60 ms	71%
R3 phase 3b performance	ganttt: 2,000 tasks with 1,500 dependencies < 150 ms; a move < 60 ms; scheduleGantt for 10,000 tasks < 80 ms	engine	29.0 ms	< 80 ms	64%
R2 upload and auth performance budgets	FileUpload.create: < 1 ms average per instance (500 instances)	avg	0.13 ms	< 1 ms	87%
R2 upload and auth performance budgets	PasswordInput.create: < 1 ms average per instance (1000 instances)	avg	0.08 ms	< 1 ms	92%
R2 upload and auth performance budgets	OtpInput.create: < 1 ms average per instance (1000 instances)	avg	0.07 ms	< 1 ms	93%

Suite	Test	Measurement	Measured	Budget	Headroom
R2 upload and auth performance budgets	FileUpload: dropping 200 files (validate and render rows): < 100 ms	t	27.5 ms	< 100 ms	73%
R2 upload and auth performance budgets	UploadQueue.add with 200 files: < 100 ms	t	38.0 ms	< 100 ms	62%
R2 upload and auth performance budgets	PasswordStrengthMeter.evaluate (default rules): < 1 ms average	t	0.13 ms	< 1 ms	87%
R2 upload and auth performance budgets	SessionWarningDialog.open: < 16 ms	t	2.50 ms	< 16 ms	84%
performance budgets	Button.enhance: < 0.5 ms average per instance (1,000 instances)	avg	0.01 ms	< 0.5 ms	98%
performance budgets	Combobox: create < 100 ms and filter keystroke < 50 ms with 1,000 options	create	4.90 ms	< 100 ms	95%
performance budgets	Combobox: create < 100 ms and filter keystroke < 50 ms with 1,000 options	filter	5.10 ms	< 50 ms	90%
performance budgets	Dialog.open: < 16 ms	elapsed	1.30 ms	< 16 ms	92%
performance budgets	DateInput.create: < 5 ms average per instance (100 instances)	avg	0.55 ms	< 5 ms	89%

Generated from the recorded end-to-end evidence and shipped component metadata. Nothing in this report is hand-typed. Report generated 2026-10-26.