Test debt explained

Test debt kills your team's productivity. Functionize uses AI to drive down test debt and boost the effectiveness of your testing.
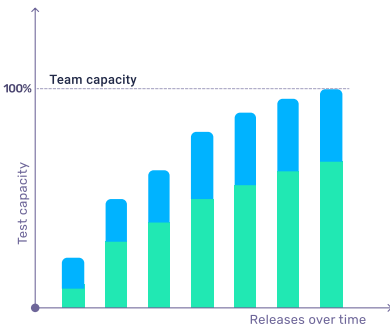
functionize

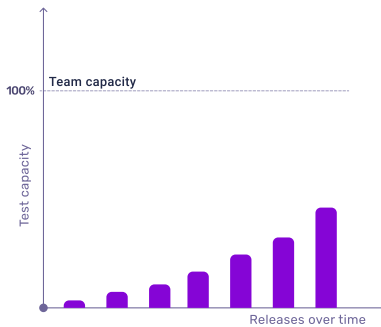● Creating tests   ● Analysing results   ● Maintaining tests   ● Test coverage

Traditional test scripting
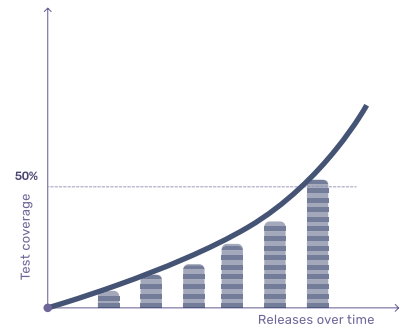
1 What managers expect to happen

Many managers assume their test team divides their time between test creation and reviewing test results. The upper limit is the overall capacity of your team.
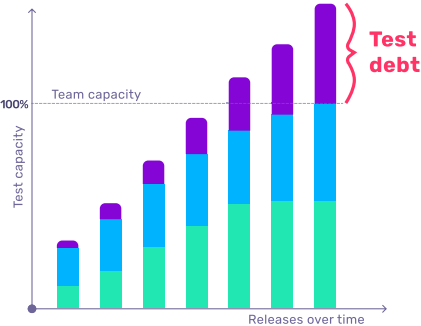
2 How test maintenance creeps up

But actually, as your application develops, the team has to spend an increasing share of time on test maintenance—often we see teams who spend 50% of their time on this.
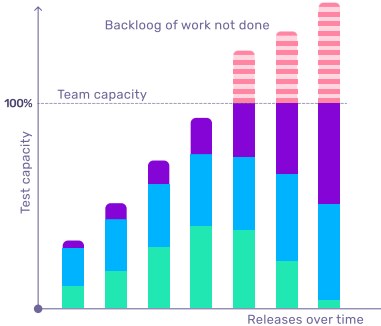
3 Test coverage should steadily go up

As you automate more tests, you should see your test coverage increasing steadily. Test coverage is the proportion of your overall testing that has been automated
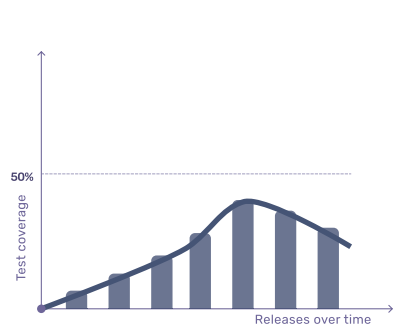
4 This leads to test debt

Now let's see what happens when you factor in this test maintenance. After a while, the required effort exceeds your team's capacity. **This is your test debt.**

5 Which leads to fewer new tests

Clearly, your team can't do more work than their upper limit. Equally, you have to keep reviewing test results. The only way to keep working is to cut the number of new tests.

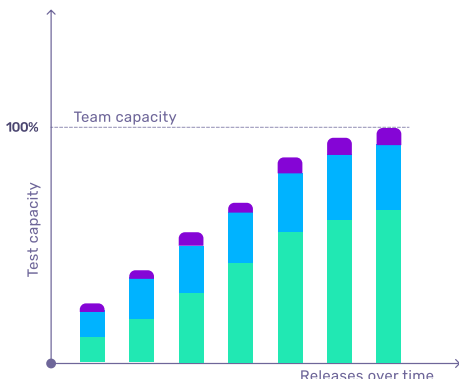### 6 So, overall test coverage drops

You are still adding new features. Each new feature means your overall test load increases. But you are only able to automate a few of these tests. that means test coverage drops.
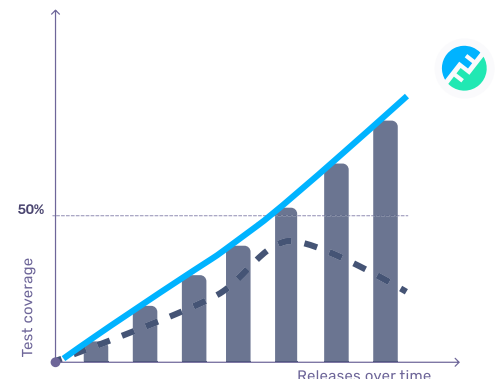
With Functionize

Functionize cuts test maintenance by 80%. You also speed up test analysis. This means you significantly increase the number of tests you can automate before capacity is an issue.

Benefits

- AI-driven smart test automation
- Reduces maintenance by 80%
- Simplifies test creation
- Unique intelligent visual testing
- Improves productivity
- Helps foster collaborative testing
- Enables true end-to-end testing
- Drives up test productivity

With Functionize, you can keep automating tests for new features as they are released. That means your test coverage continues to increase until it reaches the theoretical limit.