

10 DevOps Metrics You Should Know

1

Change lead time

Metric How long it takes a change to move from ideation to availability in production

Value How long it takes you to deliver value to users

2

Deployment frequency

Metric How often changes are deployed to production

Value How frequently you are delivering value to users

3

Deployment duration

Metric How long it takes to deploy a set of changes

Value Whether you are moving toward a more stable deployment execution

4

Change volume

Metric The number of changes that are included in each release to production

Value Whether you are delivering value to users in small but meaningful increments

5

Change failure rate

Metric How often a change in production fails and must be immediately remedied

Value Whether you are moving toward a more stable deployment execution

6

Defect escape ratio

Metric

The number of defects found in production versus the number of defects found during development

Value

Whether you are moving toward a more stable deployment execution

7

Mean time to detection (MTTD)

Metric

The mean of the time required to detect a failure in production

Value

How quickly you can discover and pinpoint issues that affect availability or functionality

8

Mean time to recover (MTTR)

Metric

The mean of the time required to recover from a failure in production

Value

How quickly you can resolve issues and restore service

9

Service availability

Metric

The percentage a service is available during a period of time

Value

How often users, applications, or other services can access a particular service

10

Application performance

Metric

How an application responds to increases or decreases in user traffic and activity

Value

Whether users consistently have a good experience when using the application

Go Beyond Metrics with Digital.ai

You can use DevOps metrics to identify opportunities for continuous improvement, but the story doesn't end there. Digital.ai Analytics Lenses provide purpose-built analytics to instantly answer questions about what is happening, formulate hypotheses about why it is happening, and investigate. Gain instant access to the information needed, where ever it may be in the DevOps value stream.