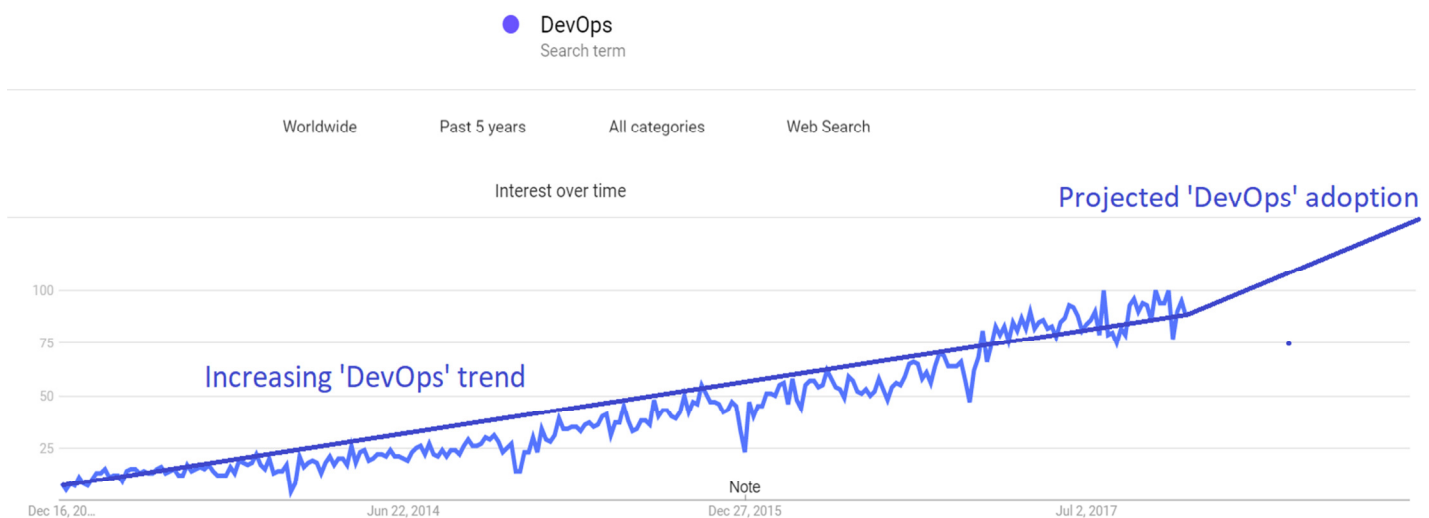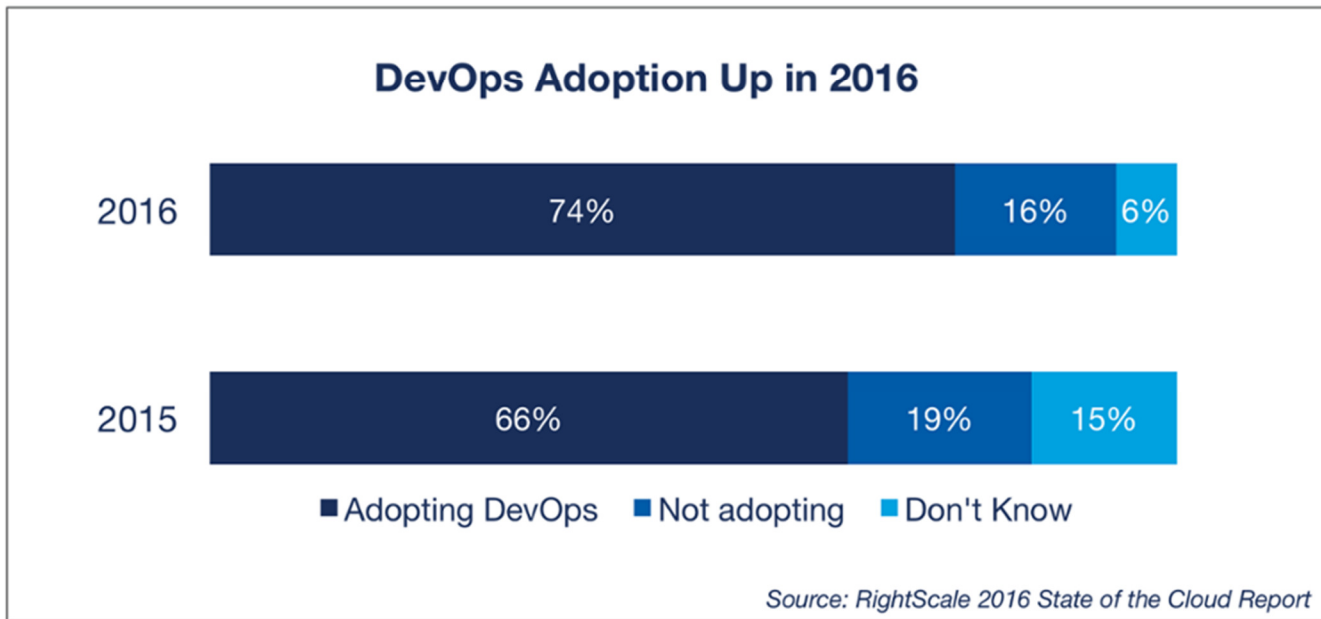# 6 DevOps Trends to Be Aware of in 2018

- ✓ Take a look at where trends predict DevOps will grow in 2018- from continuous delivery and automation to microservices adoption.

- ✓ DevOps has evolved big time since many of us thought it was just a buzzword. Now we know that is a myth.

- ✓ DevOps has become a main focus and has been shaping the world of software for the last few years.

- ✓ Experts say that DevOps is going to be the mainstream and its popularity is going to reach its peak in 2018.

Below is the Google trend shown for the term "DevOps" and a hypothesis of its projected growth in 2018.

✓ To talk about the stats, DevOps adoption has increased approximately 8% from 2015 to 2016, and this number is expected to grow significantly in 2018, as shown above.

DevOps Adoption Up in 2016

2016	74%	16%	6%
2015	66%	19%	15%

■ Adopting DevOps   ■ Not adopting   ■ Don't Know

Source: RightScale 2016 State of the Cloud Report

✓ You can read the whole report by RightScale.
✓ Even the Forrester report clearly mentions that 2018 is going to be the year of DevOps.
✓ My recent article on the facts and stats about DevOps received a great response among DevOps enthusiasts, and it just shows many technology evangelists are interested in knowing more and implementing DevOps in their organizations.

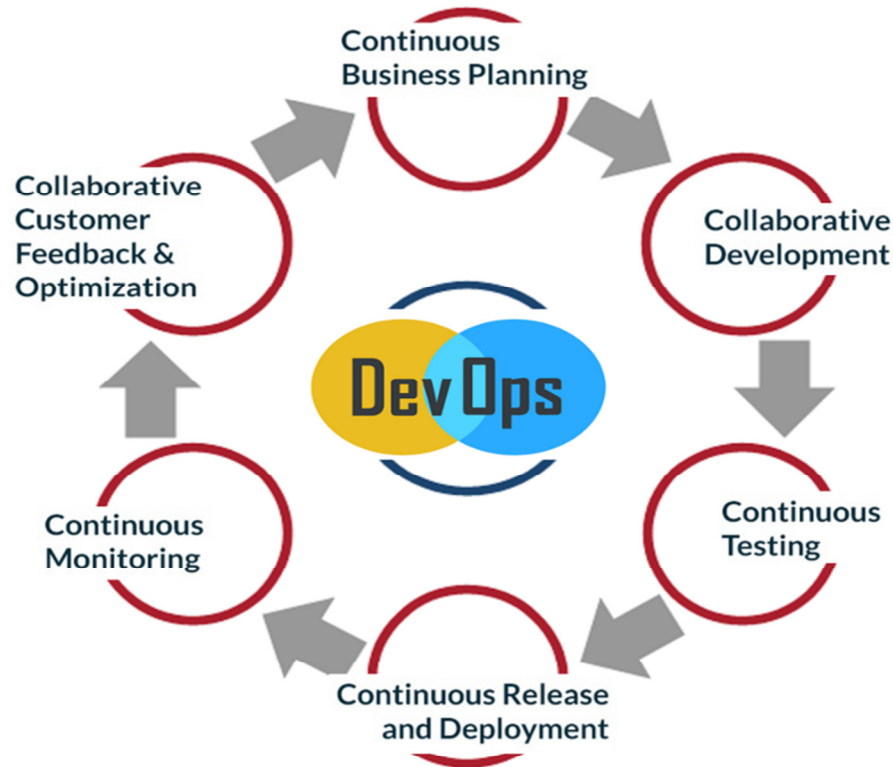Today, we will see the five facts that will shape the future of DevOps.

1. The Shift of Focus From CI Pipelines to DevOps Assembly Lines

✓ Pipelines show you a complete visualization of your app from source control to production. You can see everything in a single pane of glass.
✓ It not just about doing CI now, it is about CD (continuous delivery); organizations are investing their time and effort into understanding more about automating their complete software development process.
✓ In 2018, the shift is going to happen from just a CI pipelines to DevOps assembly lines.

2. Automation Will Become the Primary Focus

✓ In DevOps, we talk a lot about automation. If possible, zero-touch automation is what the future is going to be.

- ✓ It doesn't mean you have to automate everything, but if you have to, then you should be able to do it.
- ✓ Understanding the 6 C's of the DevOps cycle and making sure to apply automation between these stages is the key, and this is going to be the main goal in 2018.

3. Testers Are Expected to Learn to Code

- ✓ Testers who know how to code and automate scripts to test various cases are in huge demand in DevOps.
- ✓ If you are a tester and in a dilemma over whether to learn coding or not, we recommend learning to code.
- ✓ Understanding different DevOps tools and automating scripts plays a vital role in the software development today and this is going to dominate in 2018.
- ✓ Testers are expected to perish if they don't learn to code and write their own automated test scripts.
- ✓ Manual testing will become obsolete in 2018 and it consumes a lot of time.
- ✓ Automation in testing not only increases the efficiency but also ensures the features are delivered faster to the market.

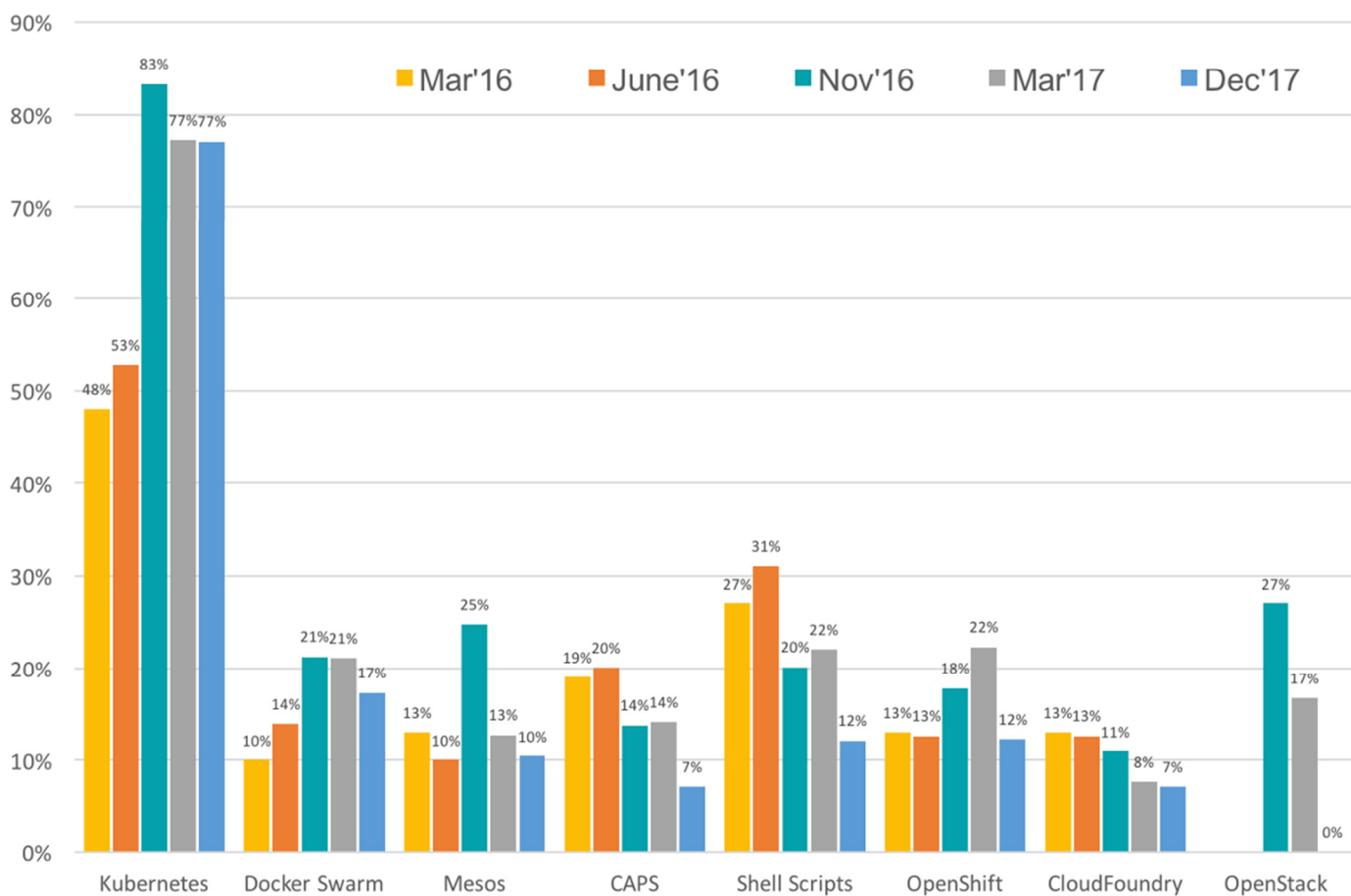## 4. Increase in the Adoption of Microservices Architecture

- ✓ DevOps and microservices lately are going hand in hand.
- ✓ Microservices are independent entities and hence doesn't create any dependencies and break other systems when something goes wrong.
- ✓ Microservices architecture helps companies make deployments and add new features easily.
- ✓ Companies are expected to move to microservices architecture to increase their runtime and efficient delivery.
- ✓ Don't just follow others because they adopted it, know yourself and understand [why you should adopt a microservices architecture](#).

5. More Companies Are Expected to Opt for Enterprise Versions

- ✓ There are many companies that are still in a dilemma of whether to build or buy.
- ✓ But, we recommend you to do what you are best at and buy the tools as per your requirements.
- ✓ This not only helps you focus on your goals but also increases the productivity by entirely depending on the 3rd party platform.
- ✓ Many companies are now going for enterprise versions to get their own infrastructure and make sure security is in the best hands possible.

6. Kubernetes Is Going to Evolve Significantly

- ✓ Kubernetes has become the fastest growing container technology because of its offerings and ease to use.
- ✓ Kubernetes has built a great open source community around it.
- ✓ Around the world, many CIO's and technologists have adopted to use Kubernetes and it is expected to evolve in 2018.
- ✓ Recently, leading up to [KubeCon + CloudNativeCon North America](#) (December 6-8, 2017), the Cloud Native Computing Foundation conducted a survey and shared how the Container Orchestration Landscape is changing and moving towards Kubernetes.

Source: [The Container Orchestration Landscape is Changing](#).

These are the 6 trends we believe are going to shape DevOps in 2018.