

DEVOPS

DEVOPS WILL REPLACE TRADITIONAL SDLC ?
LEARN WHY ?

At the end of the session, you will be able to:

- ✓ Understand Why DevOps?
- ✓ DevOps Rising Adoption
- ✓ Understanding DevOps?
- ✓ Career Opportunities with DevOps
- ✓ Understand how Companies are using DevOps?

Why DevOps?

Organizations Need



I Want change!



Testers

QA

Programmers

Delivering bug fixes,
changes and new features

I Want stability!



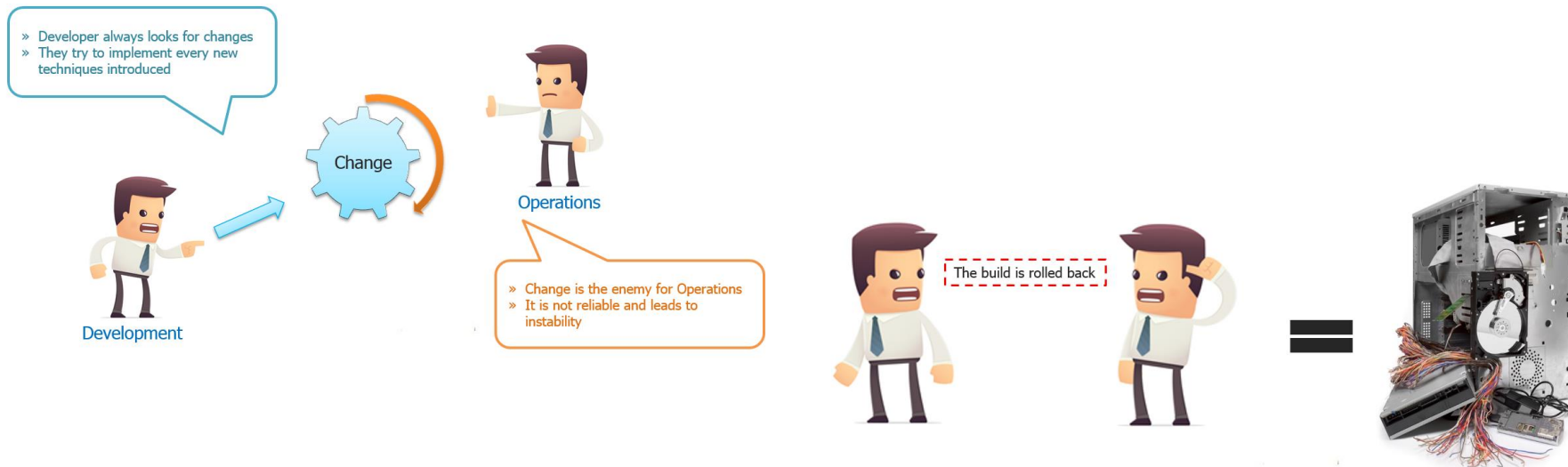
Sysadmins

Network
Technicians

DBAs

Reliable, stable software

30% of the projects are delivered late. As a result Project cost goes up.



50% of all new enhancements are rolled back due to quality issues

40% of the delay is caused by infrastructure issues

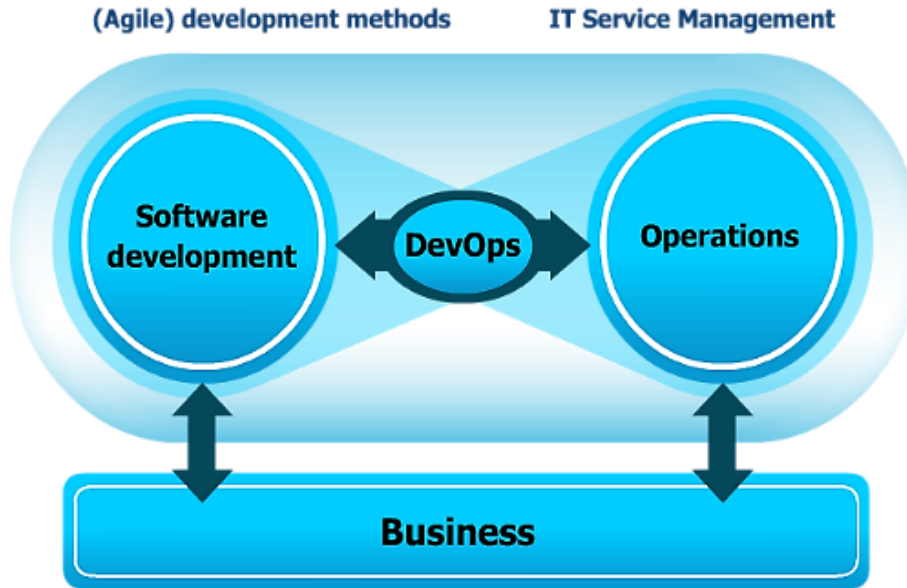
Traditional SDLC doesn't help!



Application Development is **Too Slow**, hence incase of failure the development cycle becomes very large



It's Way **Too Expensive**, moreover if failure happens the project cost becomes very high



- 1 - It helps reduce the number of project rollbacks
- 2 - Infrastructure Deployment becomes easy
- 3 - Short Development Cycles enables easy Roll backs

DevOps bridges the gap between agile software development and operations

Dimensions		SDLC	DevOps
Planning & Organization	Batch Size	Big	Micro
	Organization	Skill Centric Silos	Dedicated Cells
	Scheduling	Centralized	Decentralized & Continuous
Performance & Culture	Release	High Risk Event	Non Event
	Information	Disseminated	Actionable
	Culture	Do Not Fail	Fail Early
Measure	Metric	Cost & Capacity	Cost, Capacity, and Flow(Time)
	Define "Done"	<i>"I did my job"</i>	<i>"Its ready to deploy"</i>



44% FASTER TIME
to market for new software releases



44% IMPROVED
application stability



34% REDUCED
IT costs



45% MORE
Innovation



44% ABILITY
to respond quickly to the
business requirements



17% THE BUSINESS
RECOGNIZES the value IT can add



57%
INCREASED customer conversion or satisfaction



57%
REDUCED IT Infrastructure spend



46%
INCREASE In sales



32%
INCREASE In employee engagement




49%
REDUCTION In application downtime or failure rates



46%
INCREASE In customer engagement



3%
No, the wider business has not seen measurable benefits from Devops



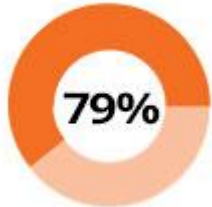
2%
It's too early to say

DevOps Rising Adoption

About 25% of Global 2000 companies are expected to adopt DevOps by 2016, and tools to support the work could be a \$2.3 billion market by the end of this year



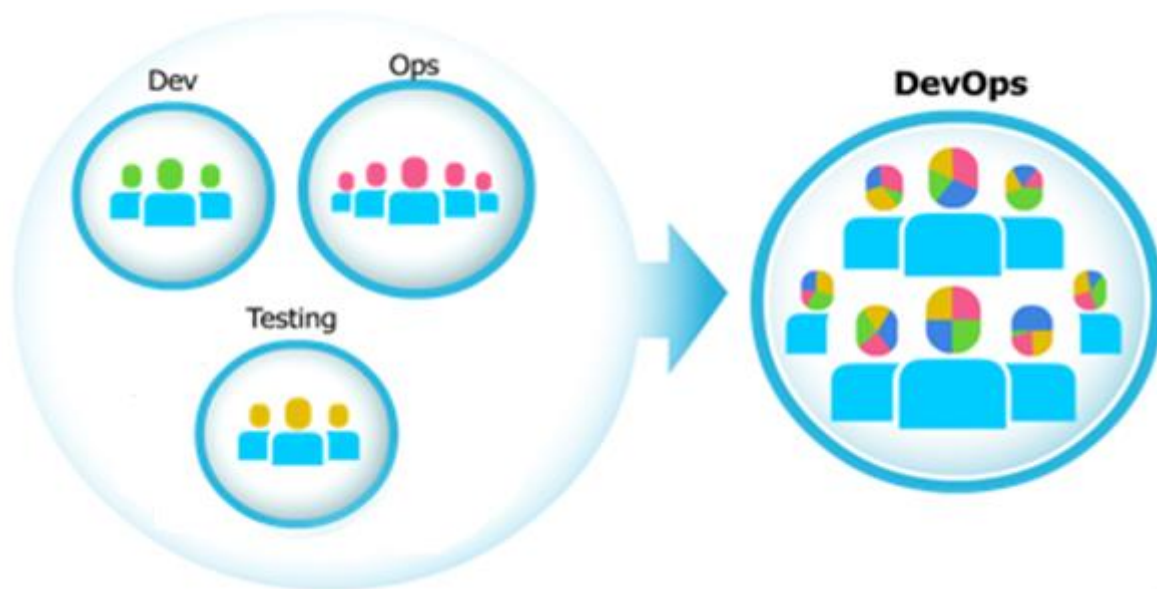
OF IT Managers
have Implemented DevOps Practices



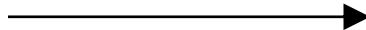
OF THOSE WHO HAVE NOT
plan to by the end of 2015



Understanding DevOps

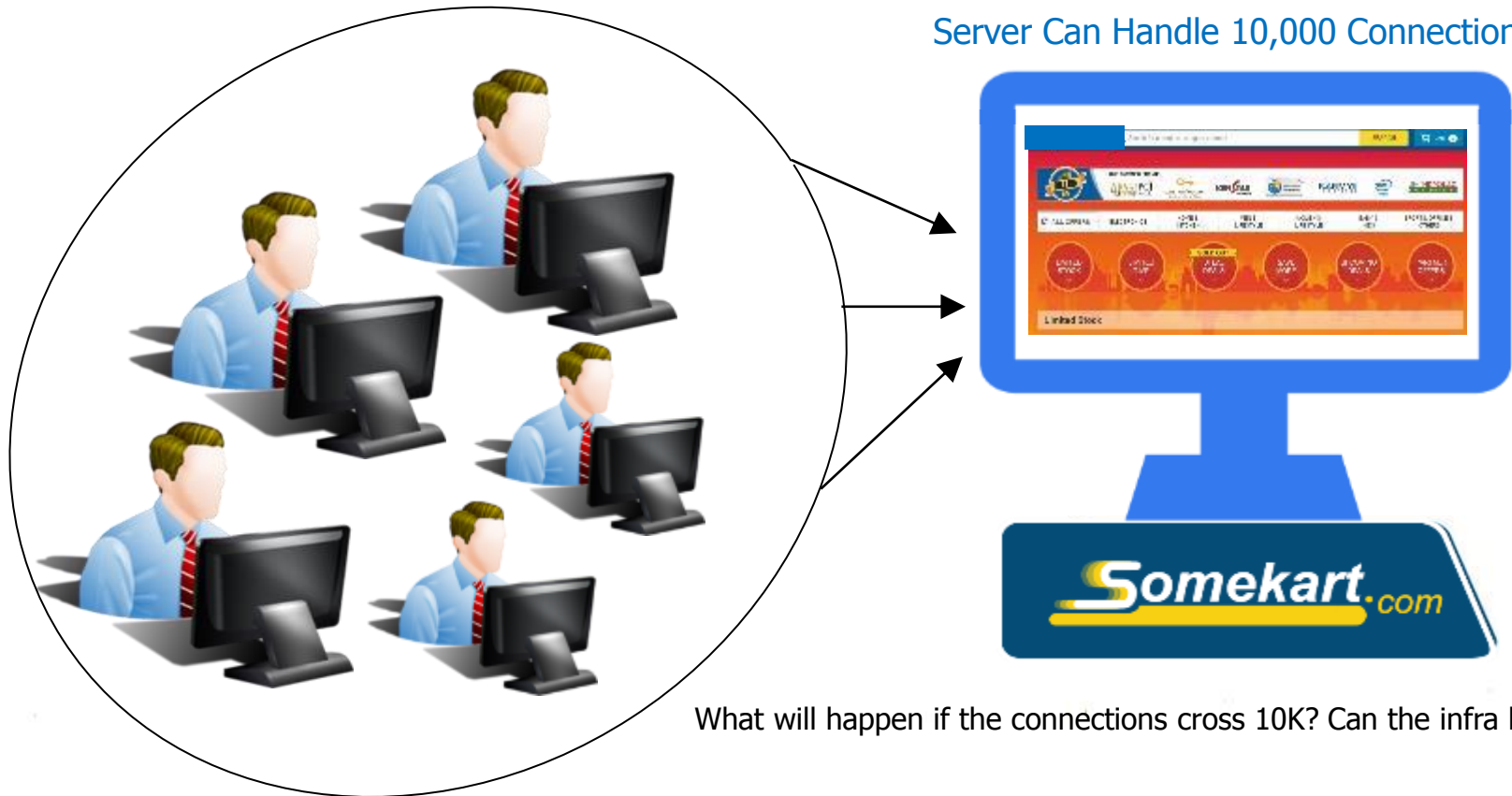


DevOps leads to teams that bring together experts who share their skills and experiences. All experts have at least a basic understanding of the others business subjects



Use-Case of DevOps (Contd.)

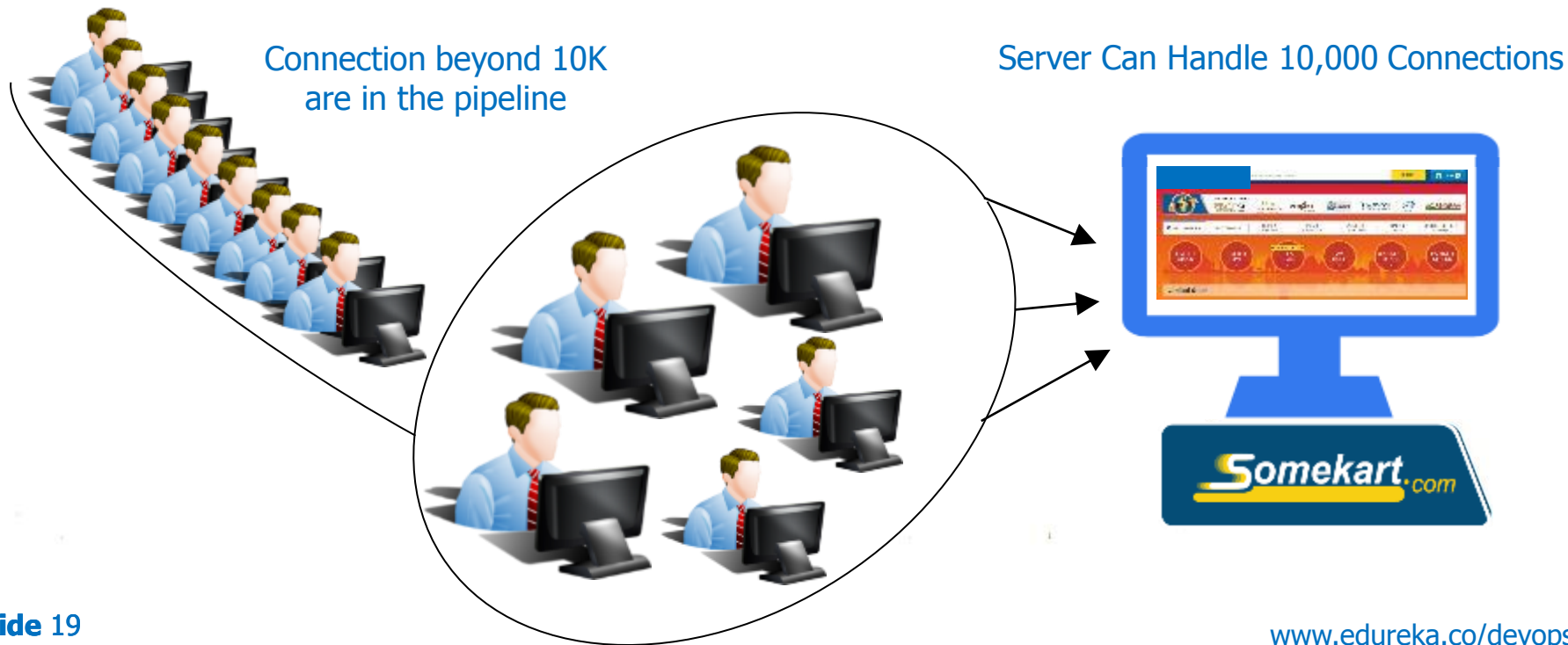
Server Can Handle 10,000 Connections



What will happen if the connections cross 10K? Can the infra handle?

Use-Case of DevOps (Contd.)

Would you want the users to be in pipeline or would you like them to be serviced immediately?

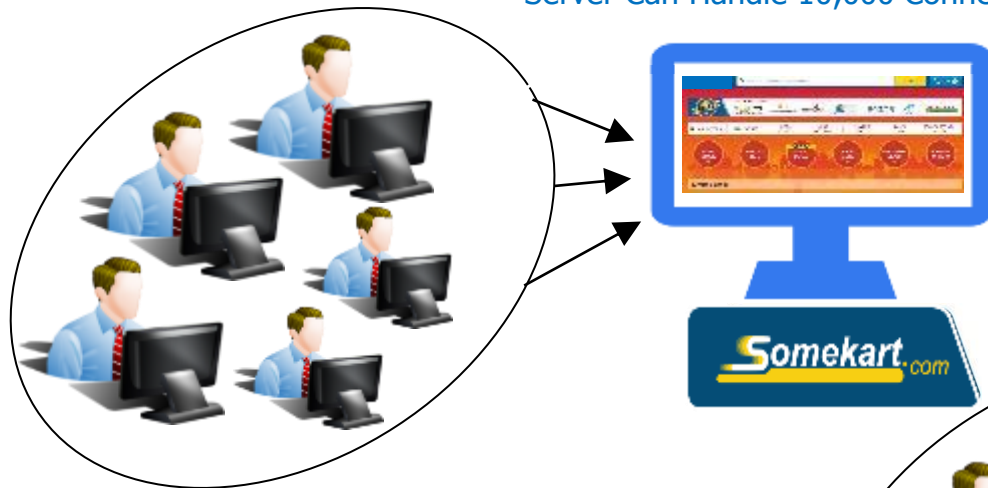


If they have to be serviced immediately, then, we would need the exact copy of the existing Infra and more importantly this Infra will have to be built in minutes not hours, else we lose business

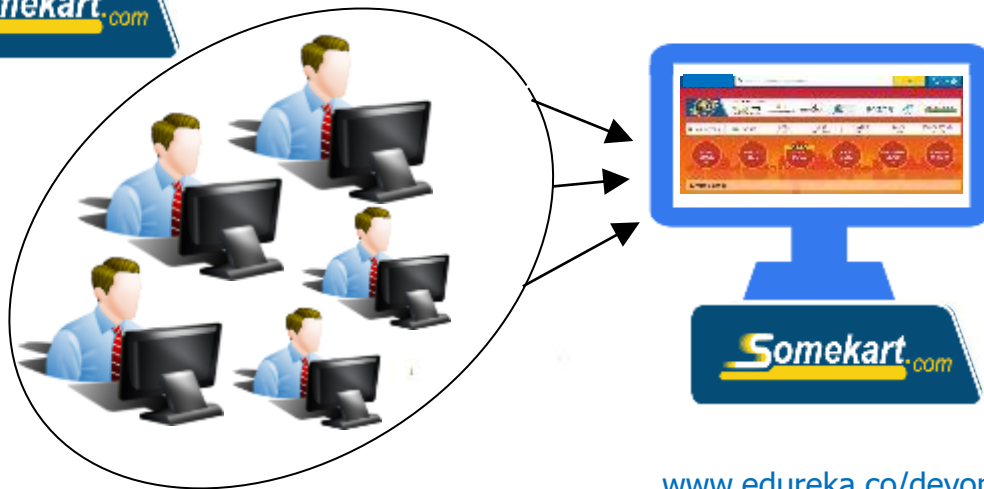


Use-Case of DevOps (Contd.)

Server Can Handle 10,000 Connections



Server Can Handle 10,000 Connections



- How can we scale quickly?
- What would it take to scale quickly?
- What kind of skills are required to scale quickly?

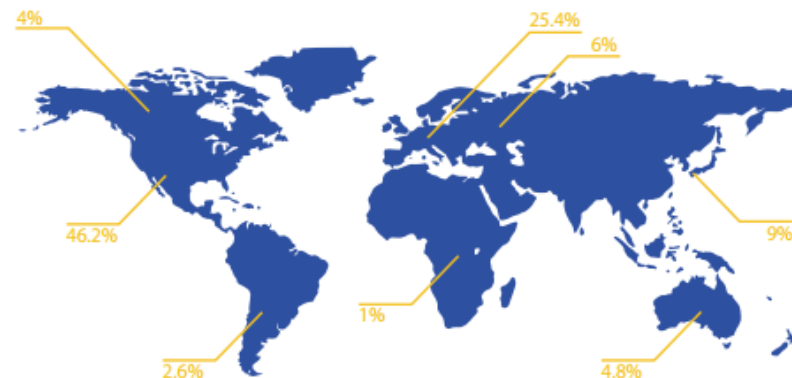
SDLC	DevOps
<ul style="list-style-type: none">1) It will take time2) The process will be manual	<ul style="list-style-type: none">1) It will be quick2) Puppet can be used to provision the server

DevOps Career Opportunities

Who Took the Survey

Overview

Industry		DevOps Roles	
Technology	22.7%	Architect	10.3%
Web Software	10.9%	Automation or Tooling Engineer	10.5%
Education	7.5%	DevOps Engineer	31.3%
Finance/Banking	7.4%	Release or Build Engineer	5.2%
ENTMT/Media	6.8%	Systems Engineer	23.4%
Consulting	5.9%	Manager or Senior Manager	8.3%
Telecommunications	5.7%	Director	4.8%
Government	4.5%	VP	0.9%
Retail	3.7%	Other	5.2%
Healthcare	3.0%		
All Others	21.9%		

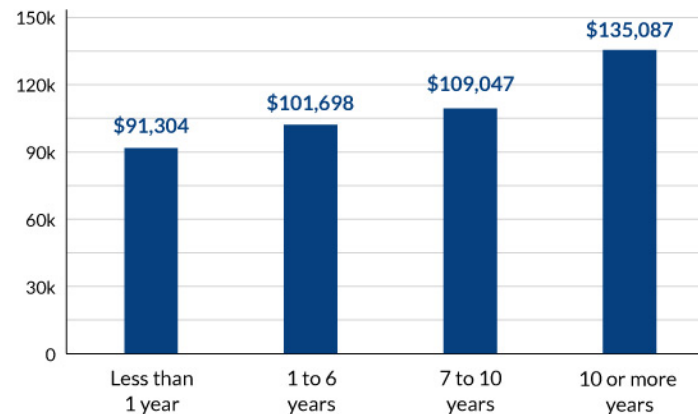




Indeed.com searches millions of jobs from thousands of job sites.
This job trends graph shows the percentage of jobs we find that contain your search terms.

Source: Indeed

Median salary
(by professional experience)



Source: Survey by Incapsula





63% IMPROVE
business efficiency



59% INCREASE
customer conversion



66% INCREASE
customer satisfaction



49% INCREASE
value to the business
through introducing
new capabilities



63% INCREASE
application uptime



47% REDUCE
IT costs



55% IMPROVE
business agility



39% INCREASE
employee productivity



23% INCREASE
employee satisfaction

edureka!

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DevOps will replace traditional SDLC? Learn Why?





DevOps will replace traditional SDLC? Learn Why?



Answer – DevOps has a bright future ahead!

Reasons:

1. SDLC is not fast enough, cost effective & efficient
2. Organizations need high quality, speed, efficiency and low cost
3. “Dev and Ops work in silos” is no more the mantra
4. Agility in Dev & Ops is the need of the hour
5. DevOps Automation helps faster, shorter software development lifecycle

QUESTIONS



Your feedback is important to us, be it a compliment, a suggestion or a complaint. It helps us to make the course better!

Please spare few minutes to take the survey after the webinar.

Thank you!

