

Developer & Open Source Community as a Competitive Advantage

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If we hold on to our past for too long, we will not be able to let go and realize the value of our future.

The Importance of Developers

Just how much influence
do developers really have?



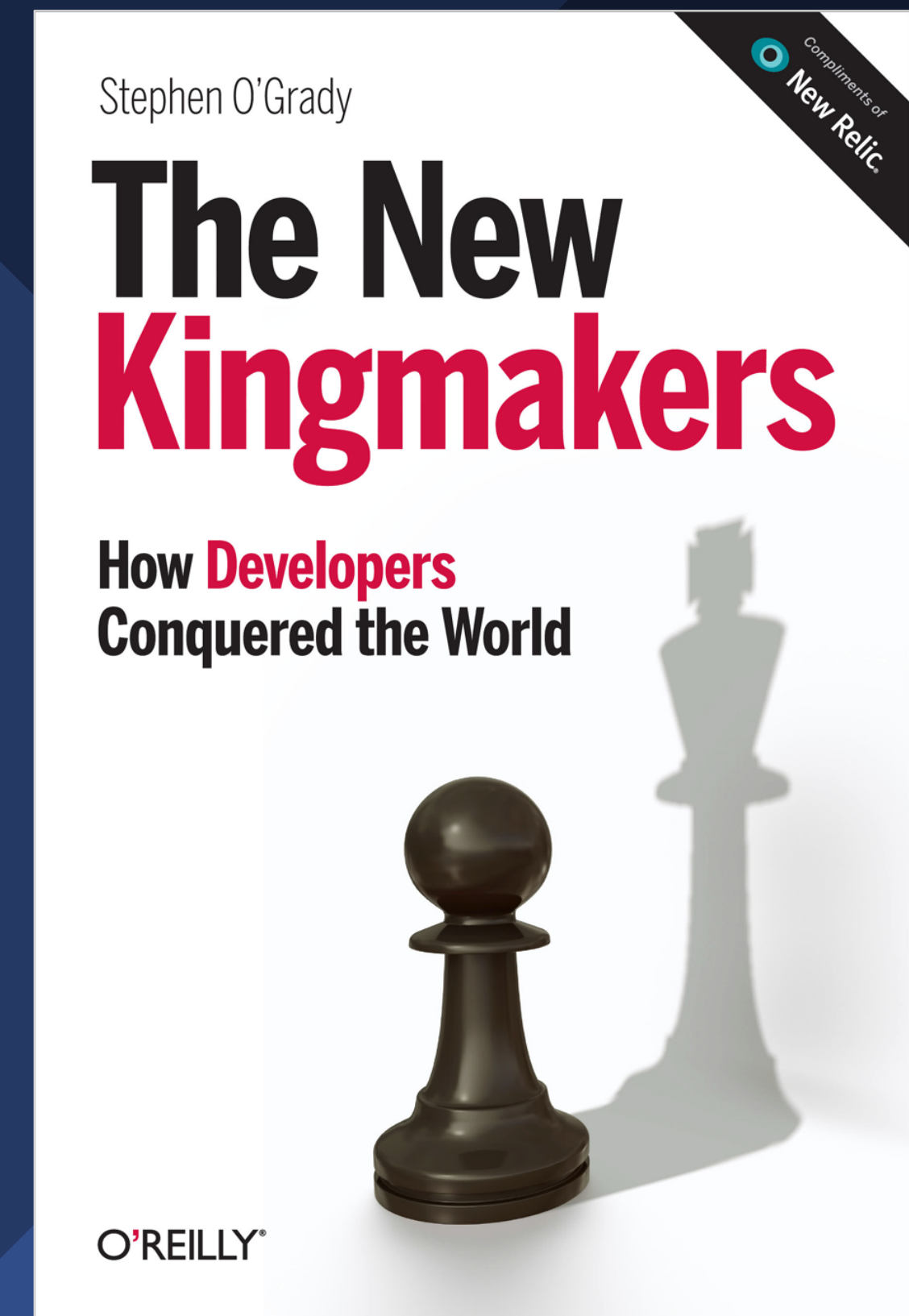
The New Kingmakers

de·vel·op·er

/də'veləpər/

An individual that builds and creates software and applications.

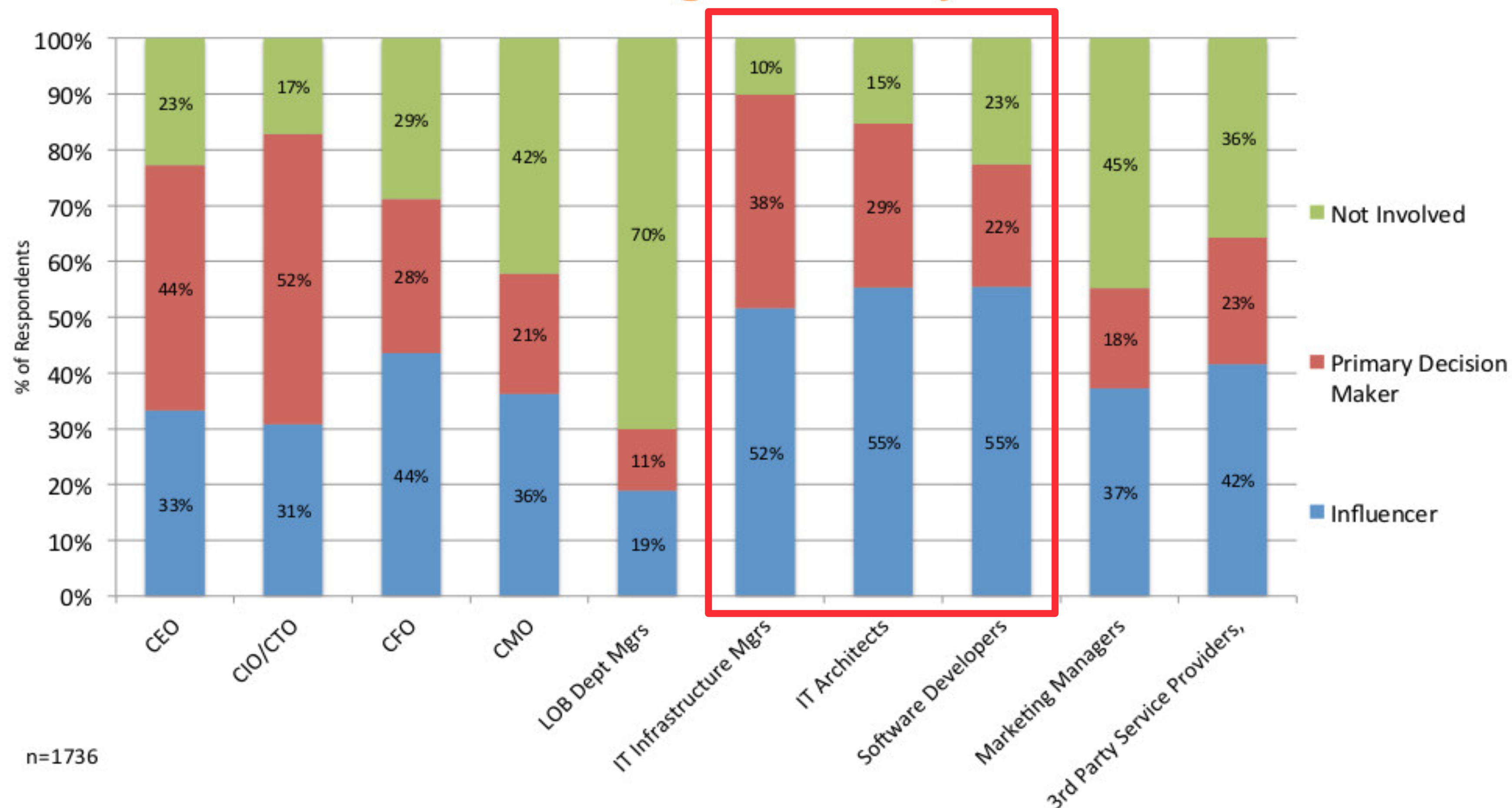
“Developers are the most-important, most-valuable constituency in business today, regardless of industry. Technologists [...] are no longer content to be mere stage players. They’re taking an active hand at direction. That genie is out of the bottle, and will not be returned to it.”



Ms. Ginni Rometty, Chairman & CEO, IBM

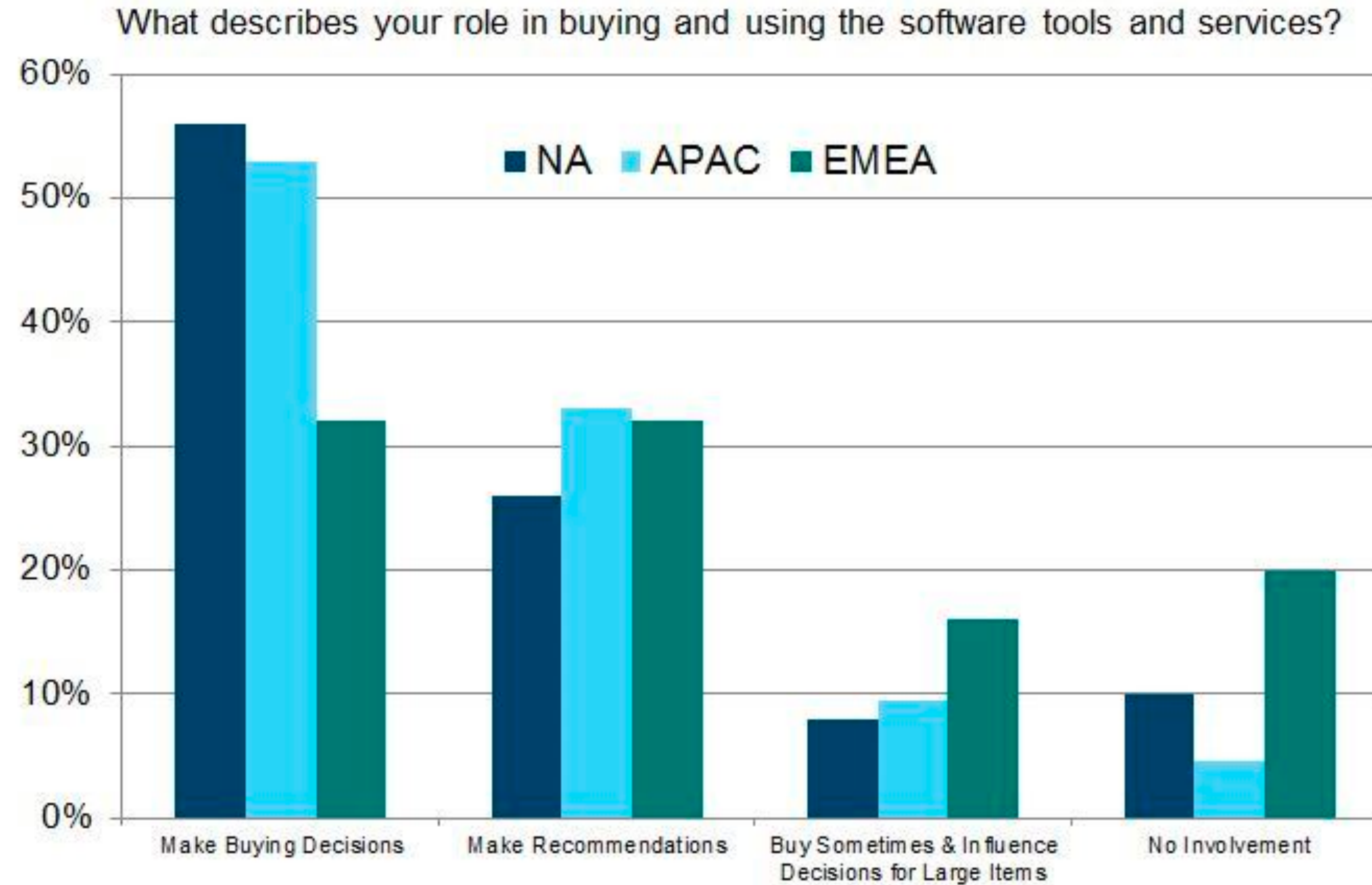
“In the last 2 years developers physically making purchasing decisions have doubled.”

Stakeholder Decision Making Authority



D9. When evaluating service providers for hosting and cloud services, describe the level of decision making authority each of the following stakeholders has at your organization. Think about the most significant projects or investments.

Once relegated to influencer-only roles, developers now have real buying power



Source: Evans Data Corporation, NA Development Survey Vol 1, 2015; APAC Development Survey Vol 1, 2015; EMEA Development Survey Vol 1, 2015 (June 2015)

There is a symbiotic relationship between developers
and open source technology

What is Open Source?

It is a brilliant distribution model to increase adoption
and awareness

It is a great facilitator of collaboration

It is not a business model

Why are Open Source Communities Important to Developers?

- It's a path to achieve something greater.
- By working on a free and open source software, a developer gets the chance to collaborate with fellow developers spread across the world.
- Collaborating with an army of developers is the best way to do things and tell the world about their ideas.
- Enables developers to develop lots of connections, making more friends in the industry.
- Developers also feel that it's fair to contribute back to the tech world and work to make this world a better and smarter place.
- Peer review and acclaim is important, **to build software that is admired by their peers.** Highly prized factors are clean design, reliability and maintainability, with adherence to standards and shared community values preeminent.



Open Source Community Benefits to a Business

A successful and thriving open source community and philosophy:

- Project (internal or external) becomes open and no single person controls it and uses the same for personal benefit.
- A thriving open source community attracts very bright, motivated and disciplined developers, which becomes a great talent pool for recruitment.
- Increases awareness of your product offering without expensive go-to-market investments.
- Users of the product will often discover and correct defects themselves. If no commercial entity benefits from that work, the motivation to do so for the common good is **much higher**.
- Auditability – open source code makes claims for qualities of security and adherence to standards simple.
- Can be used as an offensive or defensive business tool
- Clients are increasingly demanding open source as part of your product portfolio

Who Controls Open Source

- There are two types of Open Source Organizations – Commercial and Community
- Commercial Open Source projects are run by a benevolent dictator
- Community Open Source projects are run as Meritocracies
- More and more projects are supported by paid open source developers with relatively small groups making up the majority of contributions.

"OpenStack, as many other FOSS projects, has an uneven contribution pattern where a small group of developers has authored a major part of the project. In summary, 80% of the commits have been authored by slightly less than 8% of the authors, while 90% of the commits correspond to about 17% of all the authors.... The OpenStack Foundation estimates that around 250 developers work professionally in the project."

Creating an Open Source Community

License Considerations

- Licenses range from permissive (Apache) to restrictive (General Public License, or GPL, variants, with Affero GPL the most restrictive), and everything in between.
- There are 71 different licenses available ([opensource.org](https://opensource.org/licenses))
- Permissive license will generate a community faster, and a stricter license will require substantial investment in building a community
 - If you're behind or in a competitive market, a permissive license would help you catch up
 - If you believe you're in a unique first mover advantage, a stricter license may work.

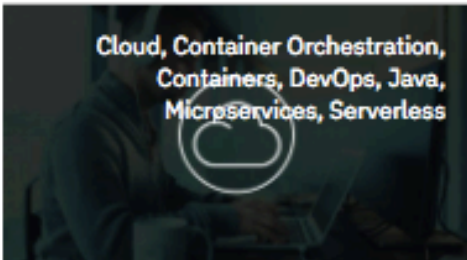
New IBM Developer Assets and Communities – Seoul

IBM Code

IBM Code에서는 개발자가 실제 이슈를 해결하기 위해 알아야할 모든 것을 '개발 과정'으로 소개합니다:
아키텍처 다이어그램, git repos 원클릭 배포 등 유용한 개발정보를 지금 확인하세요.

All Journeys

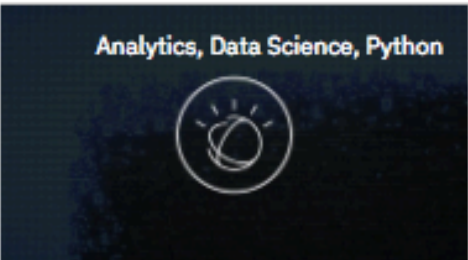
- Analytics (5)
- API (3)
- Artificial intelligence (7)
- Cloud (9)
- Container Orchestration (6)
- Data Science (2)
- Data store (2)
- Databases (5)
- DevOps (1)
- Gaming (1)
- Hybrid Integration IoT (3)
- Java (4)
- Messaging (1)
- Microservices (3)
- Mobile (3)
- Node.js (1)
- Platform as a Service (1)



쿠버네티스에 Spring Boot 마이크로 서비스 배포하기

이 개발자 과정은 Spring Boot 마이크로 서비스와 같은 polyglot 마이크로서비스를 쿠버네티스 클러스터에 배포하는 방법을 안내합니다.

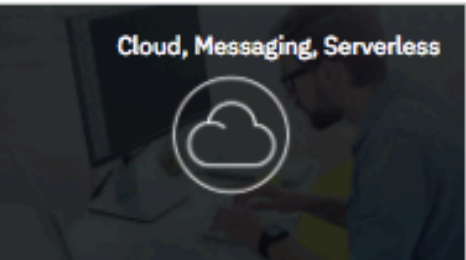
- ⇒ Read more
- ⇒ Get the code



Watson 텍스트 분류 확장하기

IBM Data Science Experience로 Watson Natural Language Understanding의 텍스트 분류 결과를 보강합니다.

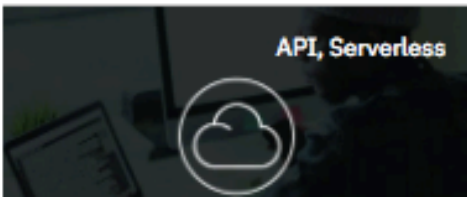
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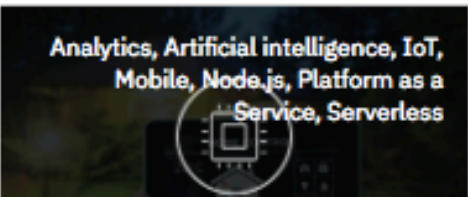
메시지에 응답하고 스트림 처리하기

메시지 스트림에 대응하여 오토스케일링되는 액션을 생성합니다

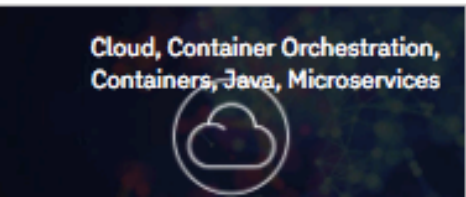
- ⇒ Read more
- ⇒ Get the code



API, Serverless



Analytics, Artificial intelligence, IoT, Mobile, Node.js, Platform as a Service, Serverless



Cloud, Container Orchestration, Containers, Java, Microservices



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Seoul, Korea (South)
Founded Jun 29, 2015

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Past Meetups	33
Our calendar	

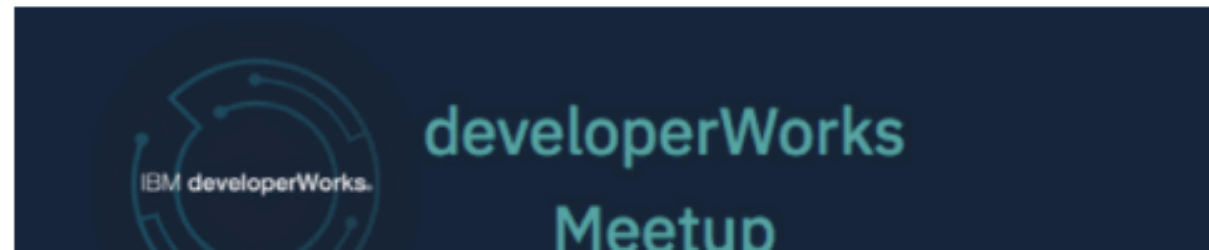
Organizers:

IBM 31st developerWorks Meetup : 머신러닝과 GPU 컴퓨팅 파헤치기

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Tuesday, November 28, 2017
1:00 PM

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서울시 중구 세종대로 21길 22 태성빌딩 306호 IT 조선 연결지성센터, Seoul (map)



Your RSVP: Yes

Change

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19 going

RSVPs close: Nov 27 at 8:00 PM

hisunah
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SeHee Claire Kim
Organizer, Event Host

아무전



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BUILT BY IBM

IBM and Open Source

- IBM has been involved and leading the launch of:
 - The Apache Foundation, The Linux Foundation, The Eclipse Foundation, The Cloud Foundry Foundation, The Node.js Foundation, The CNCF Foundation, ...
- IBM has certified 78,000 Developers and Technical staff on Open Source
- Contributing to 6,500 open source projects
- Example of our commitment to FOSS: We have invested \$1B into Linux and other open source projects to support our Power Systems servers – in addition to the \$1B that was invested into Linux in 2001.

“We’ve recouped most of it in the first year in sales of software and systems.” - Bill Zeitler,
IBM, 2001

