Suppliers Innovation Meets Open Source

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Telecommunications, Media and Entertainment Industry
Open Source: eating Software

> 65% Increasing Use

67% Encourage Contribution

65% Contributing

59% Gain Competitive Edge

35% 50% of their developers contributing to OSS projects

Source: Black Duck 2016 Future of Open Source Survey
IBM’s Long History with Open Source Software
IBM’s approach to open technology

For several years, IBM has been recognized as a leader in open technology, from its early work with Apache to its current work across all layers of the cloud stack and application development. The case for open is clear: Projects that are managed under open governance have been found to be more successful, have a longer life, and are less risky than proprietary projects. Find out more about how IBM has played—and continues to play—an integral role in the storied evolution of open source.

IBM has a long history of working in open technology. In fact, in many ways, IBM is largely responsible for the open source movement’s success. IBM’s strong support for Linux—with patent pledges and significant technical resources and investment in the face of some of the legal uncertainty surrounding its
Earning our stripes

- Code
- Build expertise
- Fix bugs
- Do the dirty work
- Foster open policies
- Build community
- Extend the ecosystem
- Consume the technology
IBM is Open by Design™

Open Source Only

‘Significant Assembly Required’

Proprietary

Vendor Lock-in Assured

Partner

Enterprise Innovation
There is a better way – Open Governance

- Responsible Licensing
- Accessible Commit Process
- Diverse Ecosystem
- Participative Meritocracy
- Open Governance
IBM in GitHub

International Business Machines


Repositories  449  People  856  Projects  0

Pinned repositories

- microservices-traffic-management-using-istio
  Istio is an open platform that provides a uniform way to connect, manage, and secure microservices. In this code we show how we can enable your microservices with advanced traffic management, routi...
  Java  113  65

- FIDL
  Fabric for Deep Learning (FIDL, pronounced fiddle) is a Deep Learning Platform offering TensorFlow, Caffe, PyTorch etc. as a Service on Kubernetes
  Go  228  73

- adversarial-robustness-toolbox
  This is a library dedicated to adversarial machine learning. Its purpose is to allow rapid crafting and analysis of attacks and defense methods for machine learning models. The Adversarial Robustne...
  Python  246  61

- spring-boot-microservices-on-kubernetes

- Kubernetes-container-service-GitLab-sample

- Scalable-Cassandra-deployment-on-Kubernetes
Applying Strategy to Open Networking

2014

ONAP deployed on IBM Cloud Private – fully Kubernetes-based

2017

BM Services for ONAP – NFV deployments & integrations, DevOps: US, Canada, Europe, India

Ranked 5th in contributions to ONAP
Platform services

Rapid service innovation through platforms and virtualized networks

Enterprise agility
Enable core business agility through Cloud & AI process optimization

Digital Engagement
Deliver personalized customer experience with deep insight across all channels

Omni Channel Customer Centric

Competitive Excellence

Continuous Innovation

Intelligent & Efficient Infrastructure

Turning Market Challenges into Market Opportunities

Agile and Innovative

New Market Adjacencies
IBM is dedicated to help Communication Services providers transform in the new digital era

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>83%</td>
<td>of world’s largest CSPs are IBM clients</td>
</tr>
<tr>
<td>25K</td>
<td>IBMers serving Telecom and Media clients</td>
</tr>
<tr>
<td>60</td>
<td>IBM cloud data centers in 19 countries</td>
</tr>
<tr>
<td>12K</td>
<td>Clients in 133 countries served by IBM Security; monitoring &gt;35B events day</td>
</tr>
<tr>
<td>$3B</td>
<td>Invested by IBM on IoT open platform and tools</td>
</tr>
<tr>
<td>25</td>
<td>Consecutive years of US patent leadership, holding &gt;9K patents</td>
</tr>
<tr>
<td>20</td>
<td>Client centers globally, including AI and automation centers</td>
</tr>
<tr>
<td>1.3B</td>
<td>Watson API calls made every month by &gt;50 Watson APIs with more added every year</td>
</tr>
</tbody>
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IBM Thought Leadership
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Thank you