

# THE TRANSFORMATIONAL MAINFRAME

■ **95%** say IT teams are under pressure to adopt modern dev practices on the mainframe to accelerate delivery and innovation

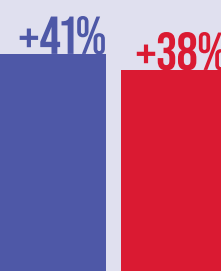
■ **90%** of IT leaders see the mainframe as a platform for new growth and long-term applications



■ **90%** of IT leaders are using enterprise open source today

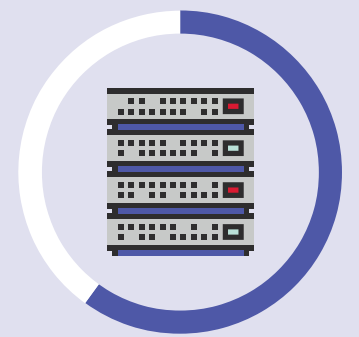
■ **97%** say IT teams are under pressure to deliver software innovation faster

Organizations expect to increase the **frequency of new mainframe application feature deployments** by an average of **41%** in the next 12 months, vs. **38%** for **non-mainframe applications**



**60%**

of the new generation of mainframe professionals see it as a growing platform



Today, many mainframe applications are being written in languages such as Java and C. And many new applications are being written using JSON and REST APIs for the mainframe, too. Mainframes can run applications written in Python, Perl, Curl, Zowe (OSS), as well as cloud software written in Red Hat OpenShift for LinuxONE using the OpenShift Container Platform (Kubernetes).

**Rocket Open AppDev for Z runs on IBM z/OS.**

## MAINFRAMES AND CLOUD INNOVATION

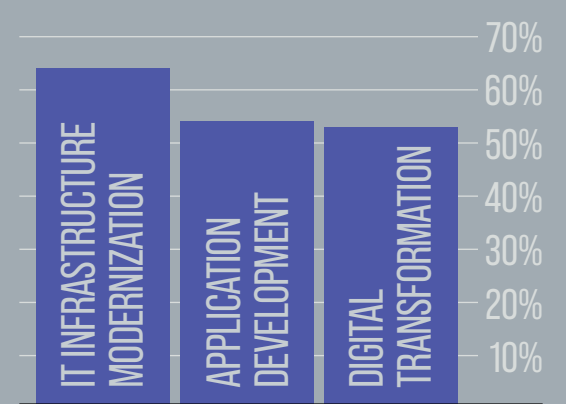
**56%** of developers and technology managers are now using DevOps in the mainframe

**94%** rated open source software equal to or better than proprietary software

**79%** expect use of enterprise open source software to increase within the next two years

**54%** believe learning cloud computing skills should be provider-agnostic

TOP WAYS ENTERPRISE OPEN SOURCE IS BEING USED:



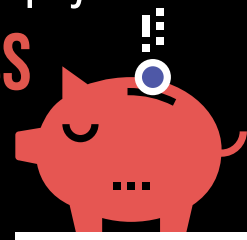
IBM predicts hybrid cloud adoption will **grow by 47%** over the next three years



They also predict organizations will be using an average of **six hybrid clouds**

## STRATEGIC OUTCOMES

If modernizers and replatformers invest the same amount in new hardware (\$400,000 – \$1 million range), modernizers pay **1.7% LESS** for other expenses



CUSTOMER EXPERIENCE

**modernized platform**



**new platform**

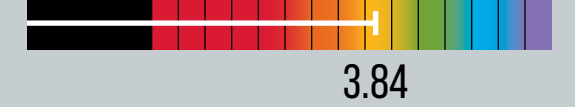


OVERALL PERFORMANCE

**modernized platform**



**new platform**



— KEY TO SCORES —

<3.0	CUSTOMER WILL ABANDON	3.7-3.9	DECENT	3.9-4.1	GOOD
3.0-3.5	VERY LOW/PROBLEMATIC	4.1-4.3	VERY GOOD		
3.5-3.7	LOW/DEMANDS ATTENTION	>4.3	EXCELLENT		

**accelerated strategies**

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SOURCES: info.rocketsoftware.com/rs/532-BSI-872/images/IDC-whitepaper-The-Quantified-Business-Benefits-of-Modernizing-IBM-Z-and-IBM-i-to-Spur-Innovation.pdf; http://www.globenewswire.com/news-release/2015/06/10/743473/10137837/en/Global-Survey-Reveals-Companies-at-Risk-From-Inadequate-Planning-for-Generational-Shift-in-Mainframe-Stewardship.html; https://devops.com/research-reveals-demand-for-mainframe-innovation-will-surpass-non-mainframe-innovation-in-2020-requiring-new-ways-of-working/; https://www.bmc.com/documents/infographics/digital-mainframe-vision.html; https://documents.bmc.com/products/documents/40/53/524053/524053.pdf; https://searcharchitecture.techtarget.com/news/252496117/Survey-Open-source-skills-more-valued-than-proprietary-ones; https://sdtimes.com/open-source/report-finds-the-value-in-open-source-skills/; https://www.ibm.com/downloads/cas/PXR1GGZN; https://www.dbta.com/Editorial/News-Flashes/The-Mainframe-Is-a-Modern-Platform-139065.aspx; https://www.sacatech.com/2019/08/15/mainframes-are-they-a-legacy-technology/; https://developer.ibm.com/components/ibm-linuxone/gettingstarted/; https://www.redhat.com/rhdc/managed-files/rh-enterprise-open-source-report-f27565-202101-en.pdf