IBM i – Halvveis til seksti

HAPPY BIRTHDA

Lars Nordbryhn Ole Kristian Myklebust

IBM Systems



17. Februar 1988







21. Juni 1988









IBM AS400

Running the Matrix Since 1988





IBM i accelerates Business Opportunities



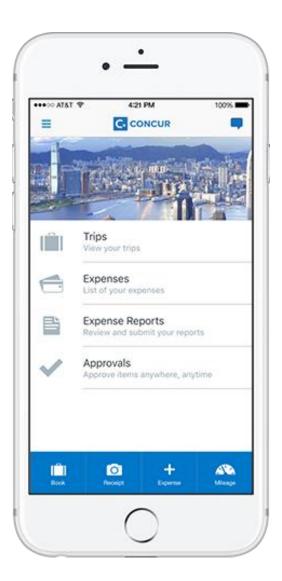


- 2-speed IT
- Cloud
- OpenSource integration
- API Economy
- MicroServices
- Infrastructure as code
- AI/DL and Data Science



Hybrid Cloud deployment



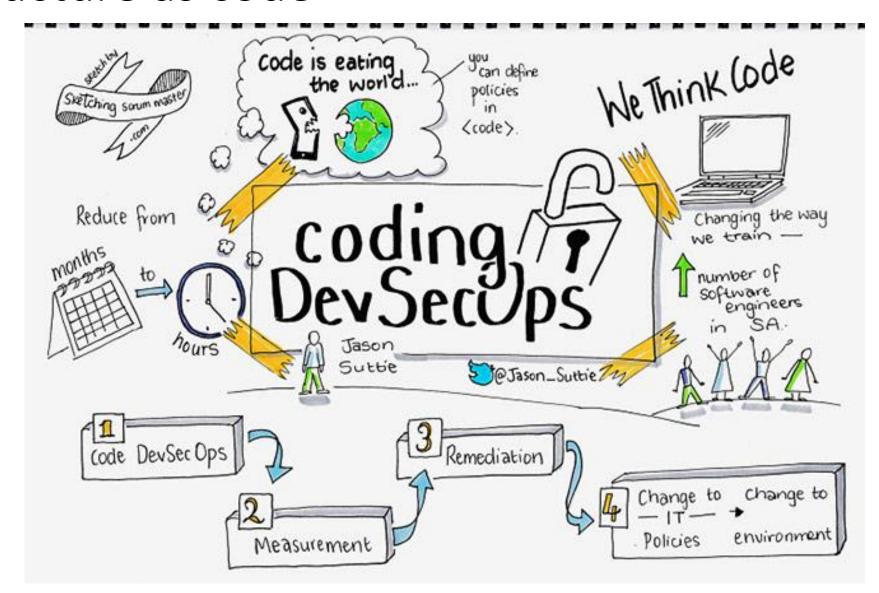








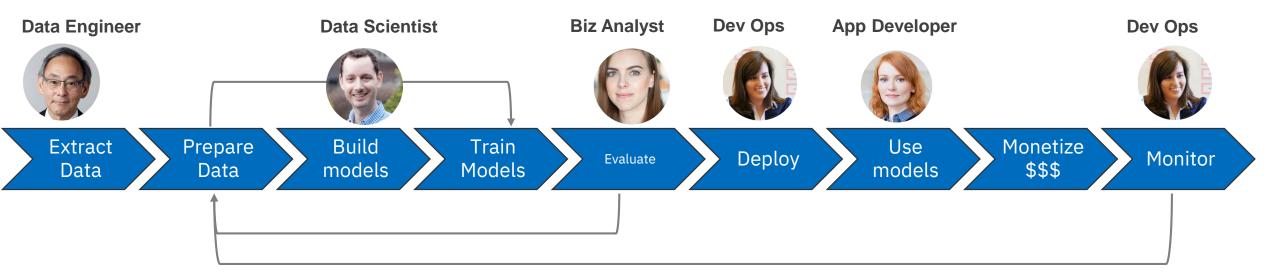
Infrastructure as code







Data Science and Artificial Intelligence







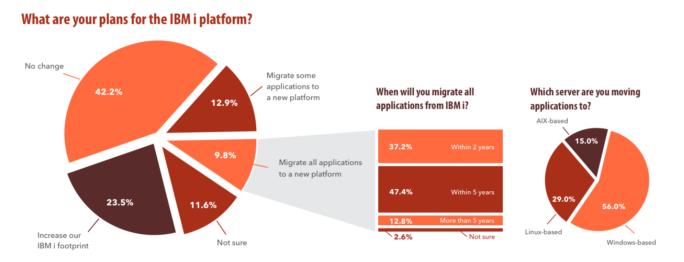




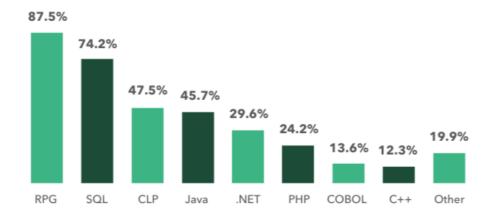
IBM i in the marketplace



The IBM i market is highly stable with slightly more than 1.5% annual attrition.



What development languages do you use today for new Do you believe your IBM i server gives

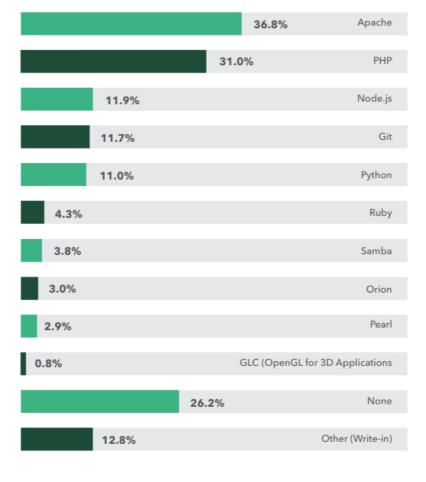


development? Check all that apply.

7.4%
Yes
92.6%

you a better ROI than other servers?

What open source development tools are you using for IBM i apps? Check all that apply.



"i" for INTEGRATION



- Native Database Server: DB2 on i (part of the OS Kernel)
- Integrated File System : Unix File System, NTFS, NFS, CIFS, etc.
- Software Integration: Security, DB, WebSphere Liberty, Dev tools, Backup tools etc.
- Native Language: RPG (IBM Toronto Lab), a Language for Business Apps + Java, COBOL
- Open Source integration: Apache, 5733-OPS (Node.js, Ruby, Python, gcc, Orion, GIT...)
- PHP & MySQL by Zend (iAMP Stack)





















ISV Support: ERP SAP, Banking/Finance Misys, Infor M3



Open-source: 5733-OPS



- Option 1 Node.JS V1
- Option 2 Python 3.4.6
- Option 3 GCC / Chroot
- Option 4 Python 2.7.13
- Option 5 Node.JS 4.x
- Option 6 Git
- Option 7 Tools
- Option 8 Orion
- Option 9 Cloud-init
- Option 10 Node.JS 6
- Option 11 Nginx









2015





2016







Develop in IBM Cloud / IBM Cloud Private, Deploy & Run on Power Systems.







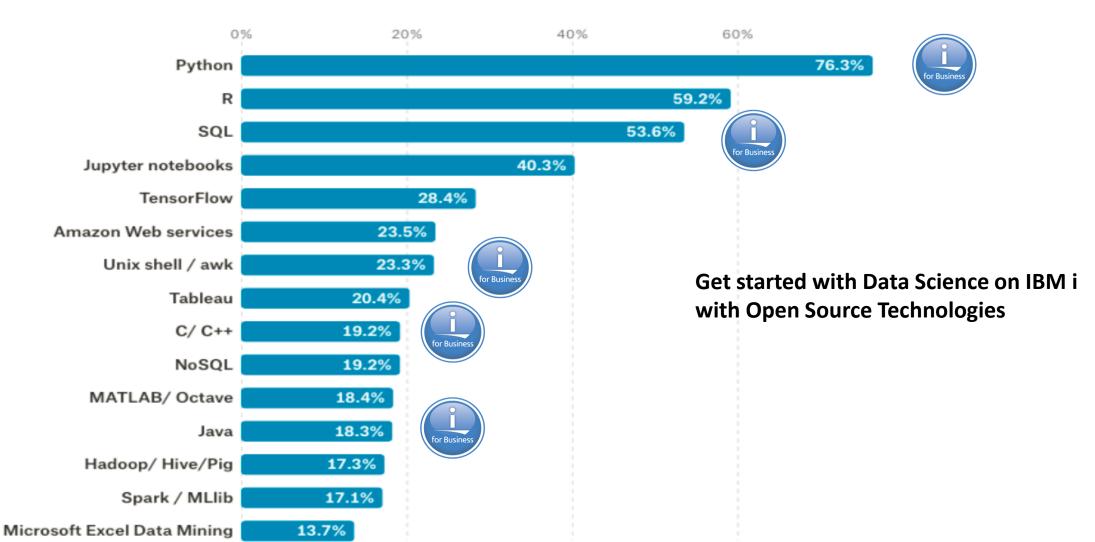
☐ Consume IBM Cloud Services (Watson,...) from IBM i easily using REST calls.



Data Science tools & technologies



Kaggle 2017 Data Science Tools Survey



Platform Modernization Patterns





ONE-OFF INTEGRATIONS

Does not address growing business requirements



RIP AND REPLACE

Throws away decades of investment, introduces business risk



MODERNIZE LEGACY SYSTEMS

Extends value of existing investment to meet business requirements



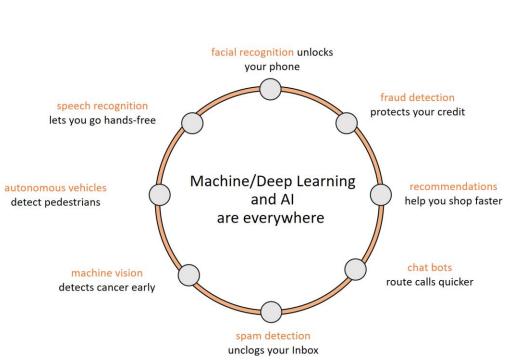
	CONNECTIVITY	ORCHESTRATION	ABSTRACTION
PATH 1: Service modernization	Take existing web services and expose their functionality through modern data formats (e.g. JSON)	Build composite services drawing from multiple web service operations	Expose functionality to line of business consumers through RESTful APIs
PATH 2: Application re-architecture	Break apart application code and build smaller, decoupled services.	Build composite services from existing, or define more coarsely grained services encapsulating more comprehensive functionality.	Expose functionality to line of business consumers through RESTful APIs

Platform Modernization Use Cases













 Mobile Solution with Cordova (MobileFirst), API, Node.js & Cloud Services

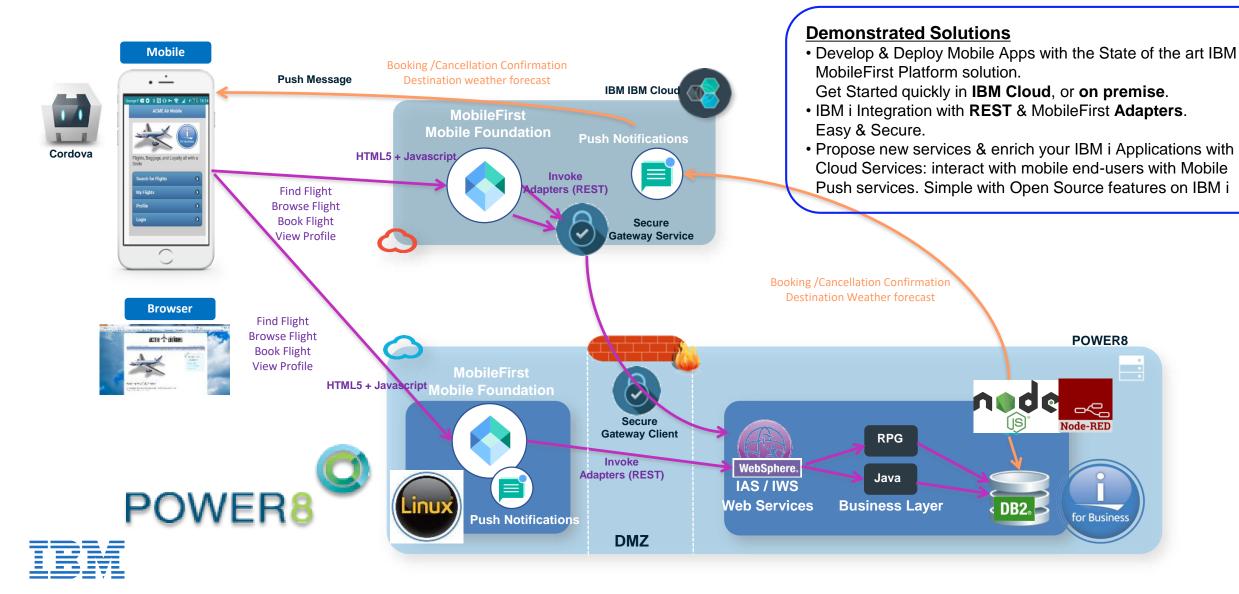




Develop Mobile Services on IBM i with MobileFirst Platform

thirty

Acme Airlines Digital Transformation

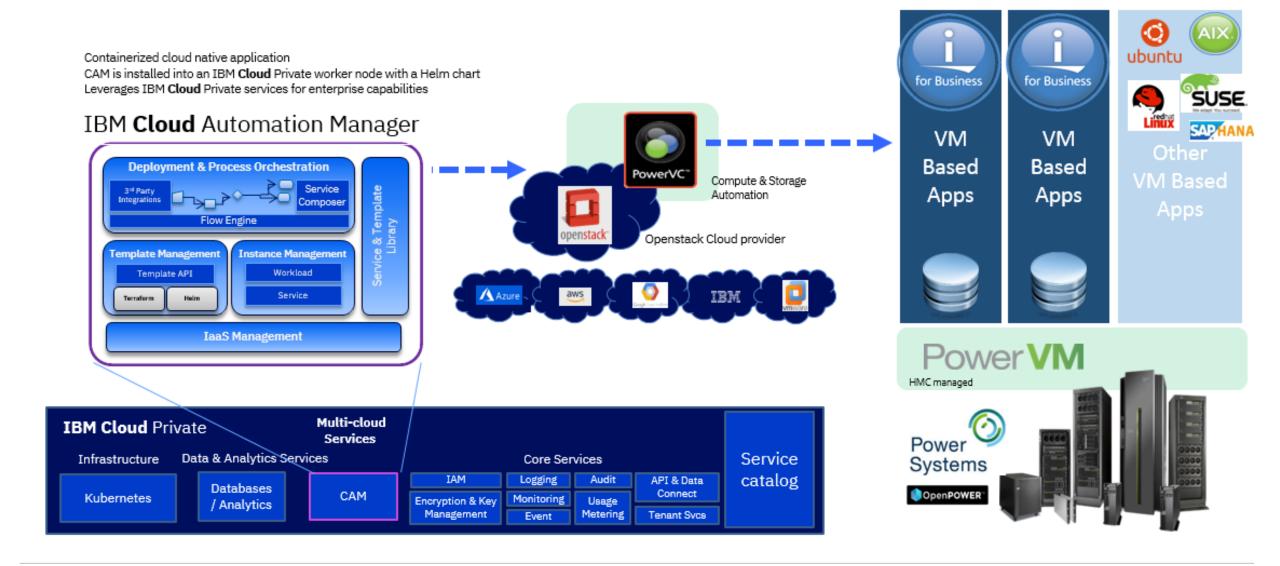


IBM Cloud Automation Manager on IBM Cloud Private

Value Proposition for Enterprise Power Systems & IBM i:

→ Optimize developer's need for speed with organization's need for governance





IBM i & Artificial Intelligence



