Enterprise cloud computing and Bluemix
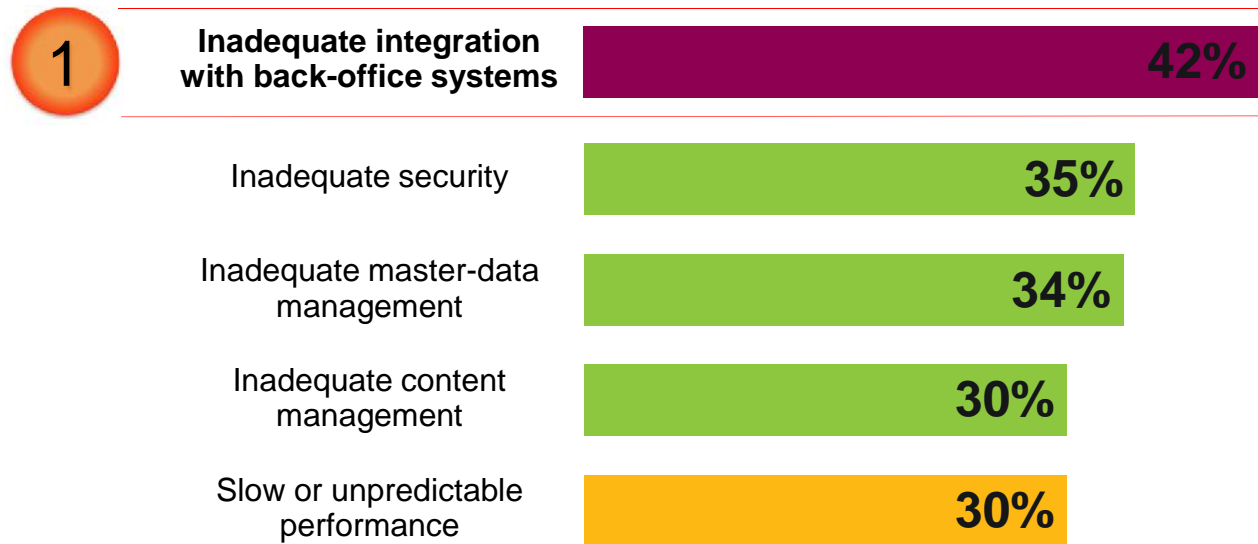
Kyle Charlet

IBM Distinguished Engineer
Cloud, mobile, analytics for IMS and z Systems

System of record integration
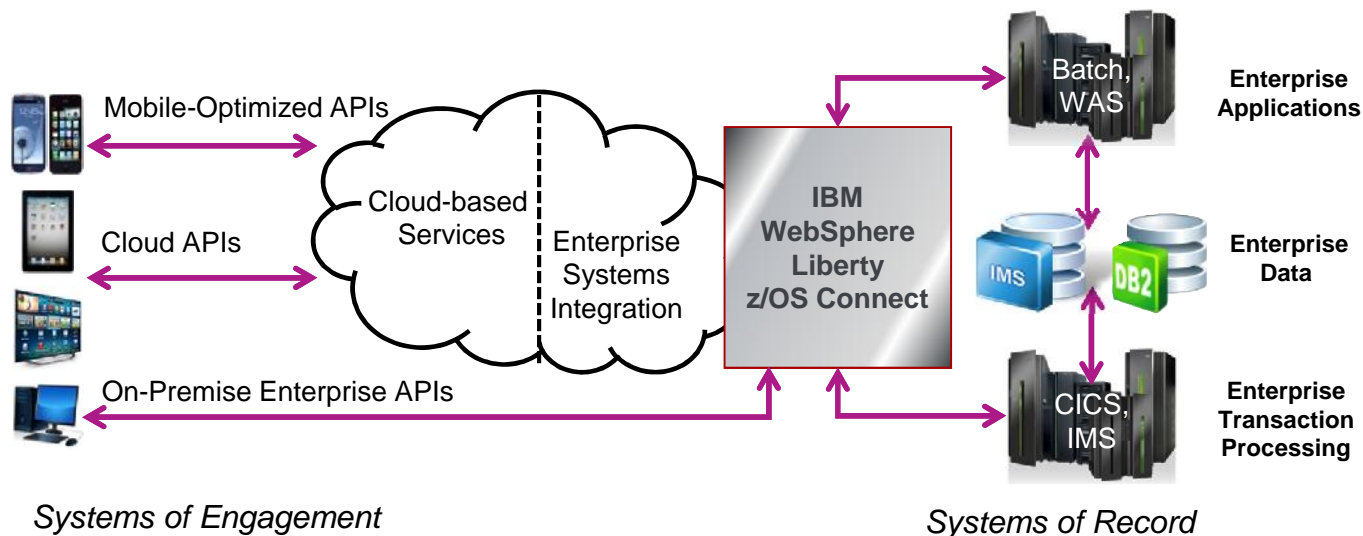
The most significant technical barrier
to creating effective customer-facing systems

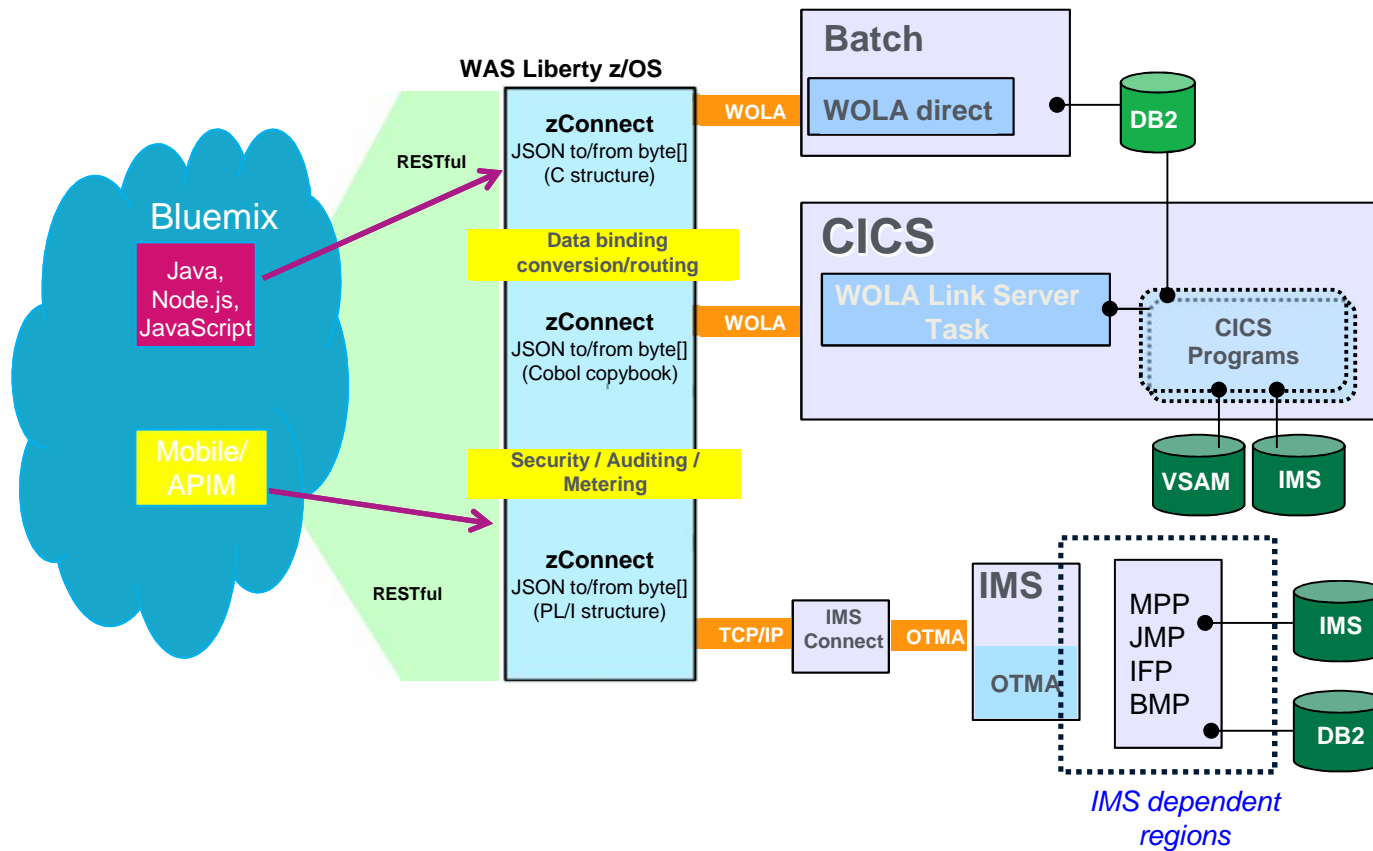|		
1	**Inadequate integration with back-office systems**	**42%**
	Inadequate security	**35%**
	Inadequate master-data management	**34%**
	Inadequate content management	**30%**
	Slow or unpredictable performance	**30%**

91% of CIOs said new customer client-facing apps will access the mainframe

Consistent enterprise connectivity for mobile and cloud

- *IBM WebSphere Liberty z/OS Connect* – Shipped with WAS, CICS, and IMS

- *Unifies z/OS connectors* – a common solution for mobile, cloud, and web

- *Simplified integration* – Hide complexity of connecting to z/OS using REST

Mobile-Optimized APIs

Cloud APIs

On-Premise Enterprise APIs

Cloud-based Services

Enterprise Systems Integration

IBM WebSphere Liberty z/OS Connect

Batch, WAS

Enterprise Applications

IMS DB2

Enterprise Data

CICS, IMS

Enterprise Transaction Processing

Systems of Engagement

Systems of Record
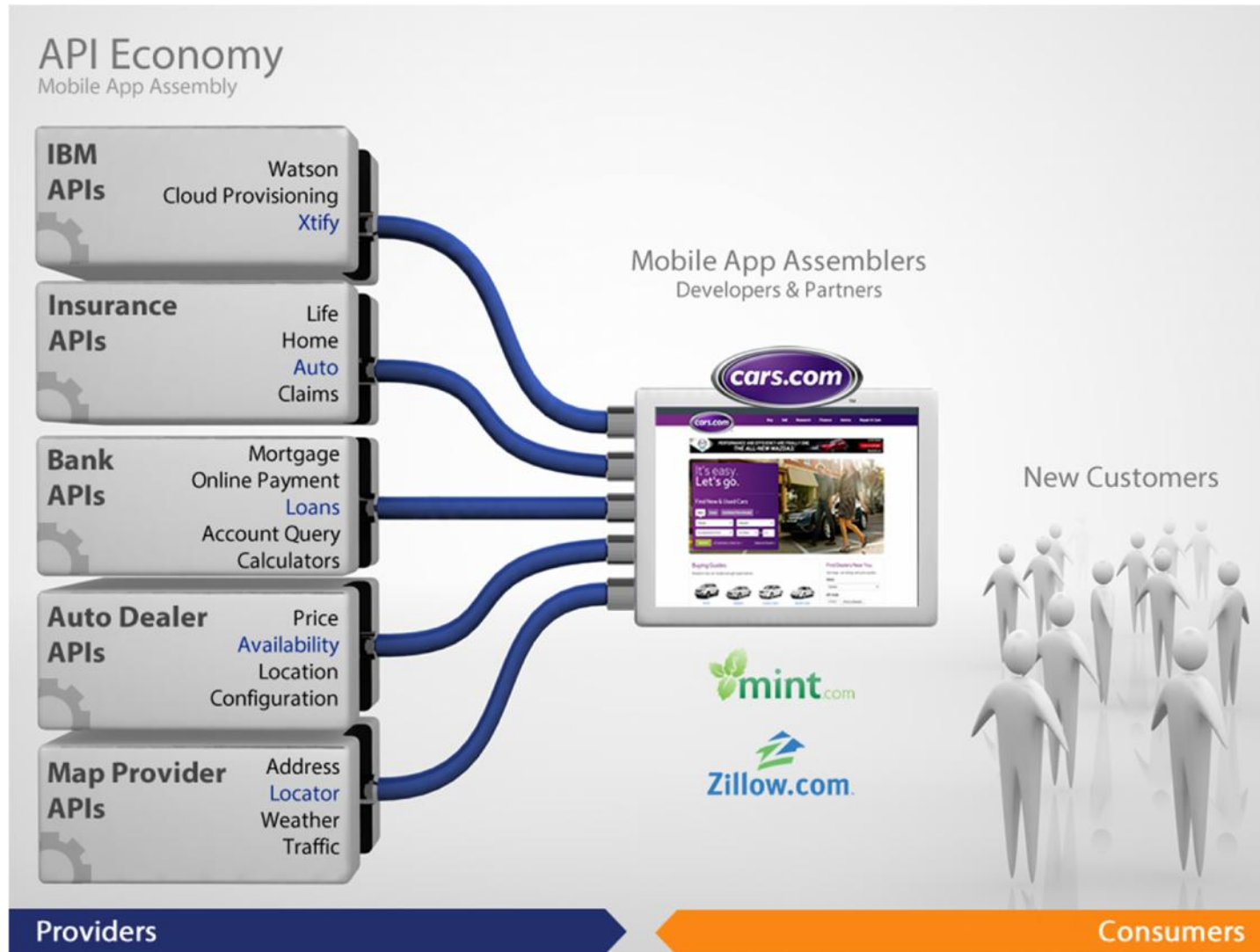
WebSphere Liberty z/OS Connect

Secure connectivity to systems of record

- *Combine mobile and cloud for best of both* – mobile applications in the cloud linked to the enterprise is your competitive advantage

- *Fast time to market of cloud based applications* – combined with the trusted transactions of traditional mainframe systems

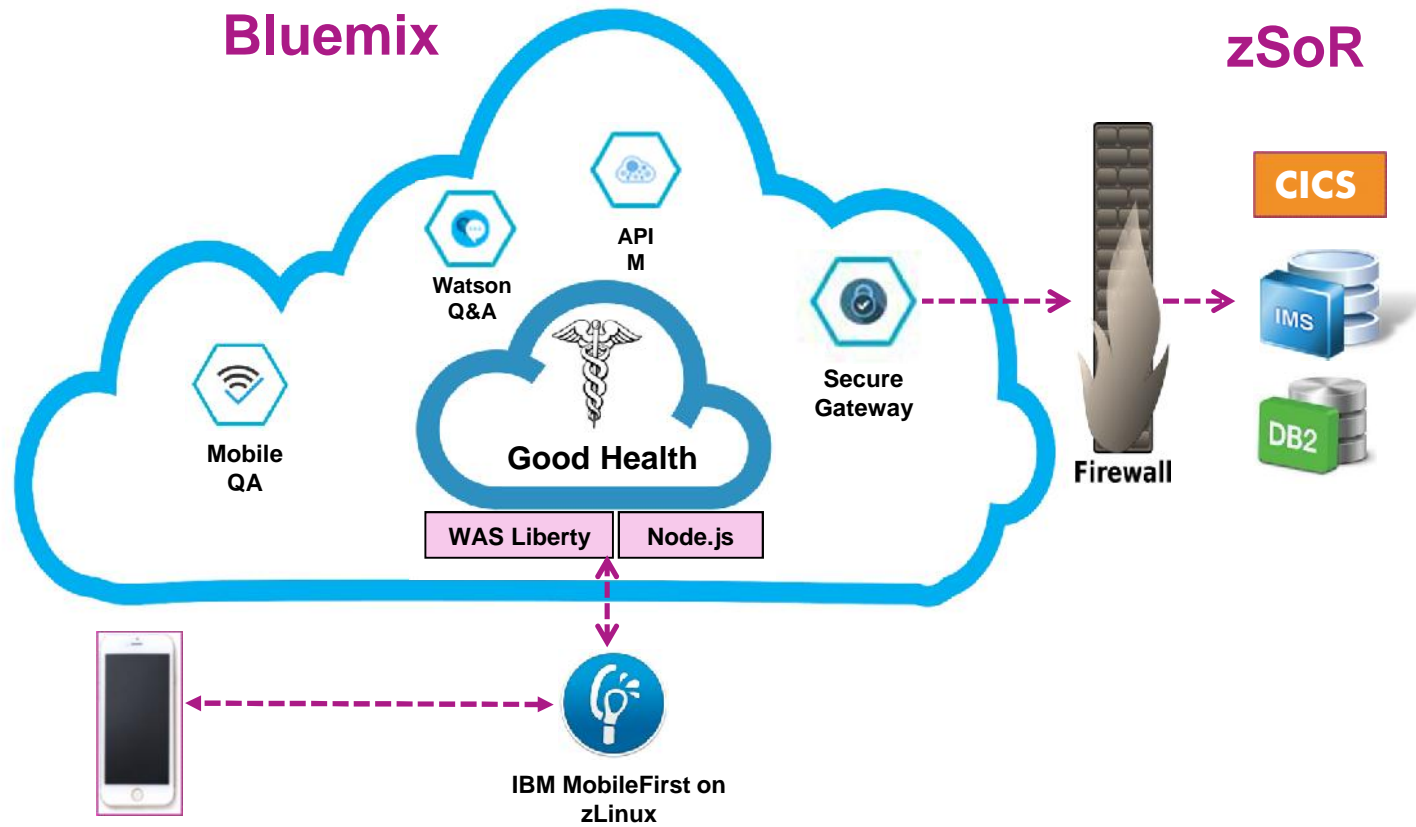- *Securely connect* – leverage data from your existing enterprise systems

Bluemix

Secure Gateway

z/OS Connect

API economy

Swagger

GoodHealth application

Bluemix

zSoR

API M

Watson Q&A

Secure Gateway

Mobile QA

Good Health

| WAS Liberty | Node.js |

CICS

IMS

DB2

Firewall

IBM MobileFirst on zLinux

Bluemix APIm and secure gateway services