



# IBM Cloud platform: Bluemix



# IBM Bluemix

The most advanced cloud platform that weaves together services, infrastructure, and data to rapidly bring your ideas to production.

The central focus is the IBM Bluemix dashboard, which includes sections for "All Applications (2)" and "All Services (5)".

**All Applications (2)**

Name	Route	Memory (MB)	Instances	Running	State	Actions
scaleSSO-adtr098		256	1	1	Running	⋮
ssoadry-willbenoroute	scalesso-adtr098.mybluemix.net	256	2	2	Running	⋮

**All Services (5)**

Name	Service Offering	Plan	Actions
Active Deploy-n2	Active Deploy	free	⋮
Redis by Compose	Compose for Redis	Standard	⋮
Redis Cloud-hd	Redis Cloud	30mb	⋮
Single Sign On	Single Sign On	professional	⋮

**Third-party**

**IBM**

**Open source**

**Your own**

# What Bluemix offers



**Compute** Offerings spanning from bare metal to serverless programming



**Hybrid** Delivered across public, dedicated, and on-premises deployment models



**Global** Available in over 26 IBM Cloud data centers around the globe

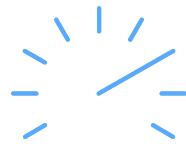


**Services** Offers over 130 composable services across Watson, data, mobile, IoT, and DevOps



**Open** Built on open standards and architecture

# Flexible compute options



## Bare Metal

Maximum performance and control



## Virtual Server or VMware

Leverage existing languages and tools



## Containers

Maximum portability



## Cloud Foundry

Open PaaS environment



## OpenWhisk

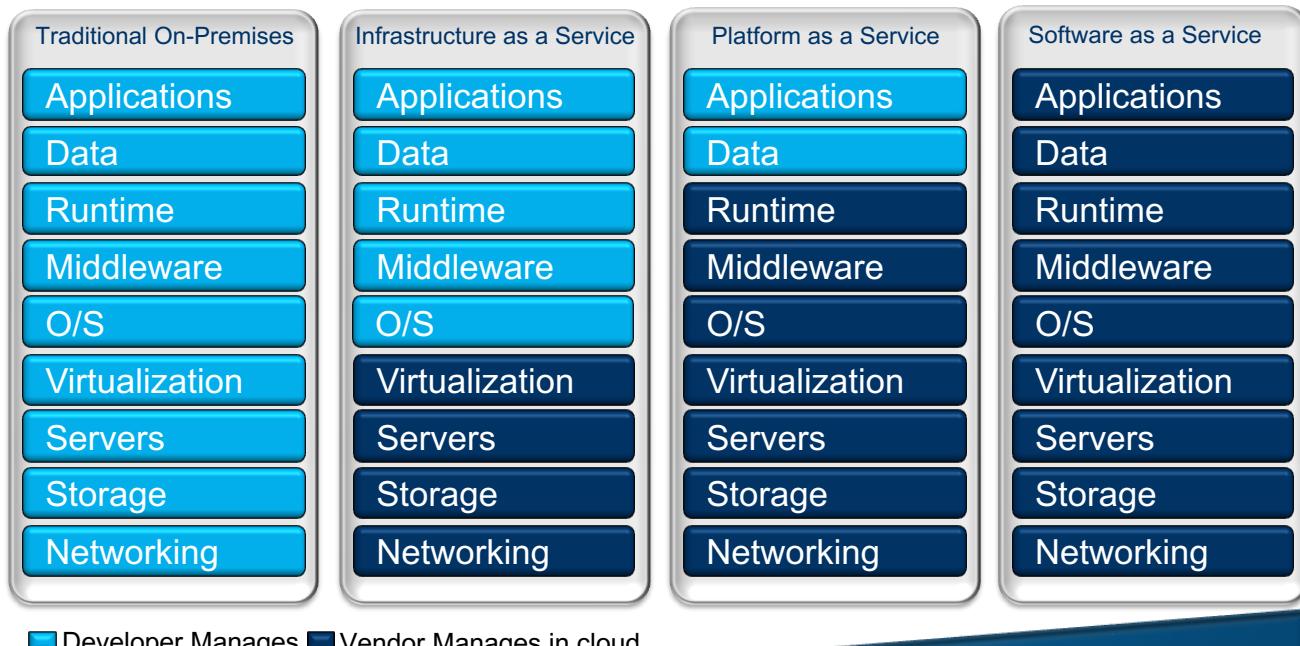
Maximum speed with server-less apps



# Benefits of Bluemix Cloud Foundry applications

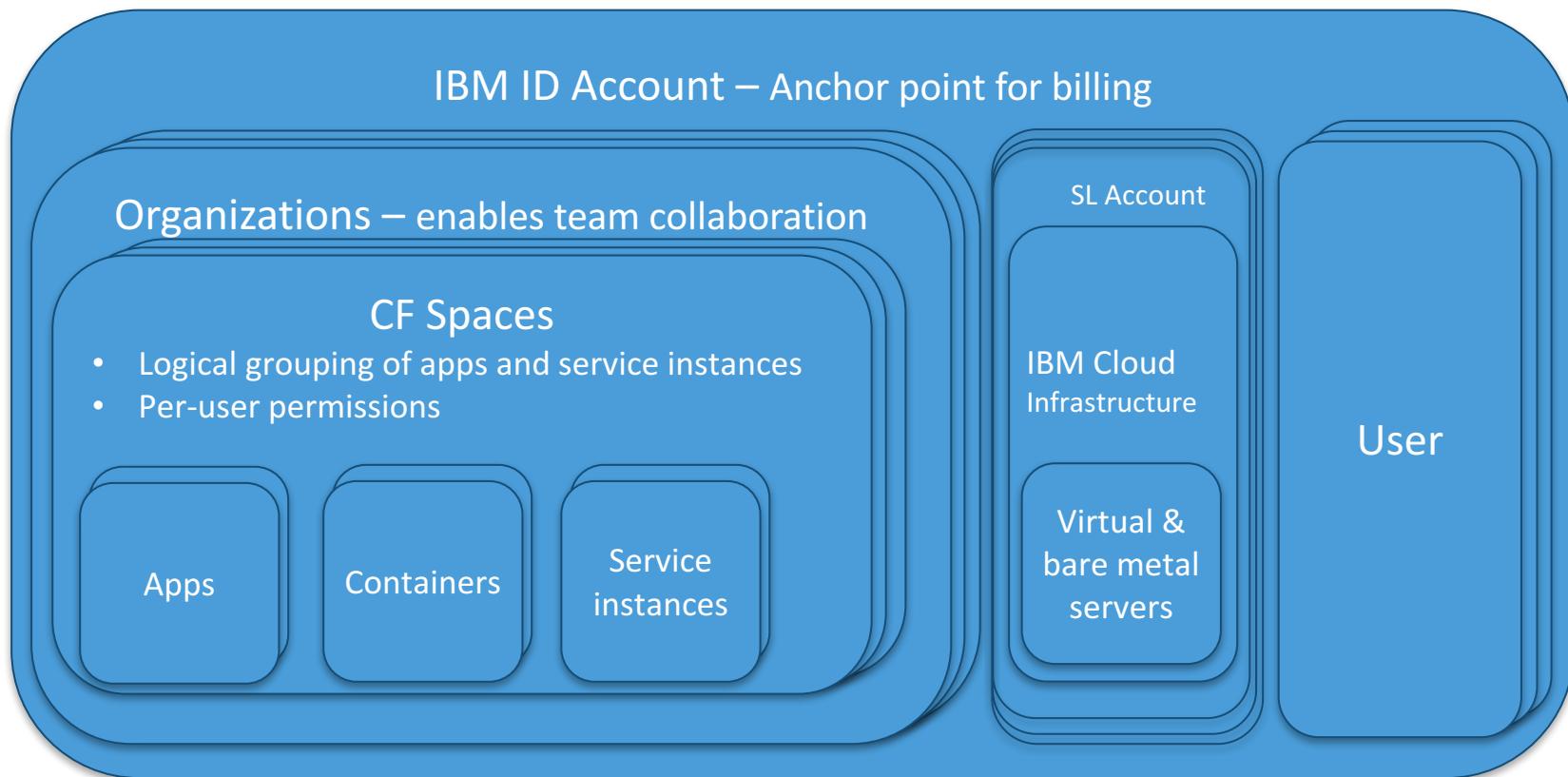
**Eliminates and simplifies various tasks compared to on-premises or IaaS**

- Health management
- Load balancing
- Scaling
- Deployment
- OS patching
- OS security hardening



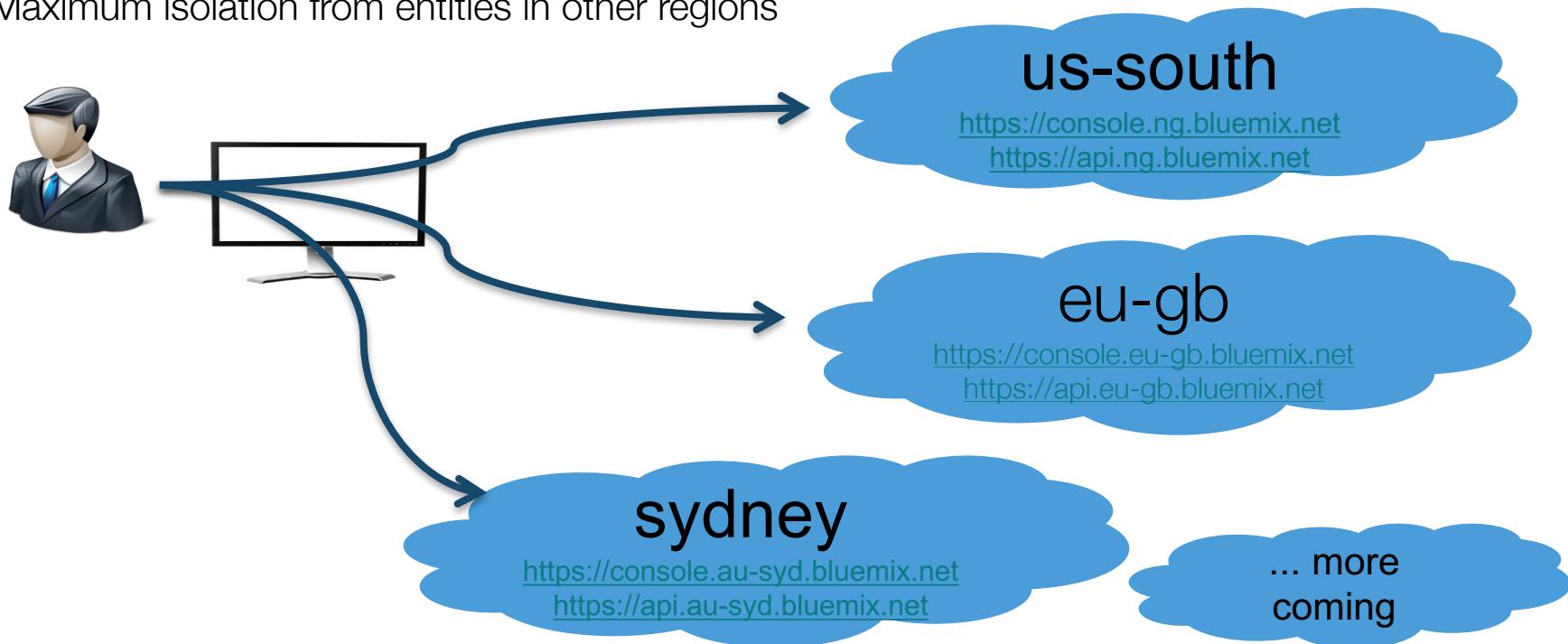
Standardization; OPEX savings; faster time to value

# Bluemix account and organization model



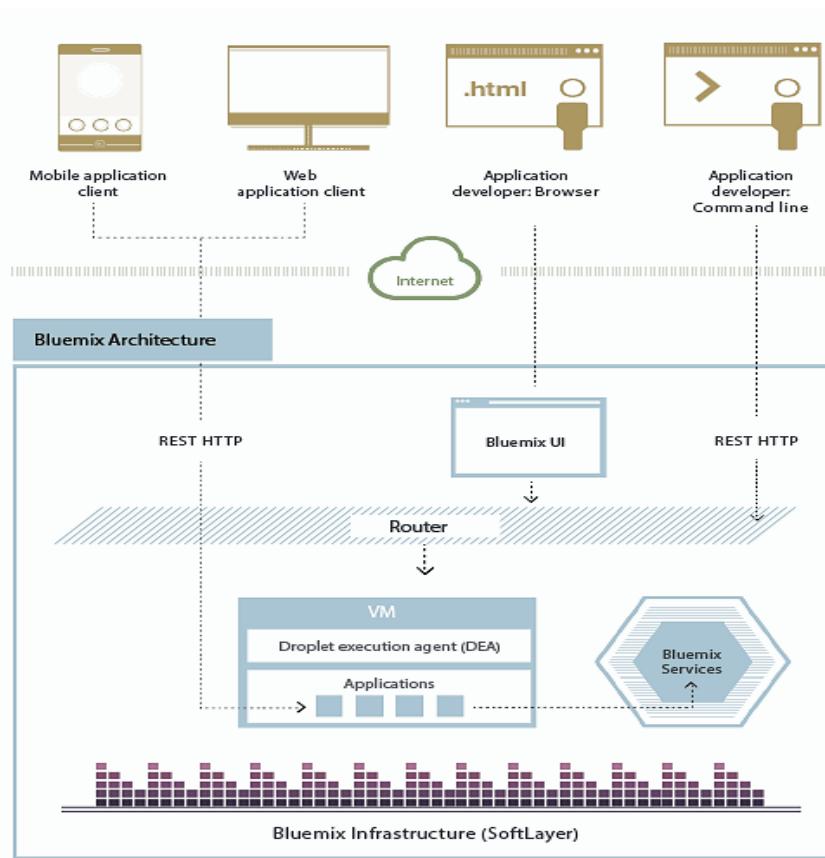
# Bluemix public regions

- Stand-alone cloud with catalog, apps, and services
- Maximum isolation from entities in other regions



# Bluemix developer user experience

Users access your application from web or mobile



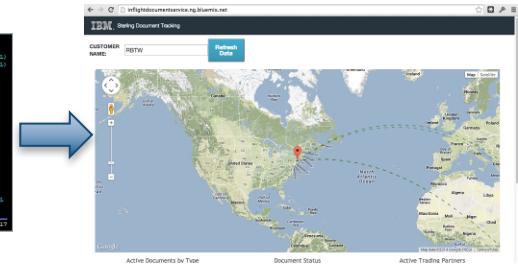
Manage your app with web browser or CLI

Build local with text editor or Eclipse, then deploy

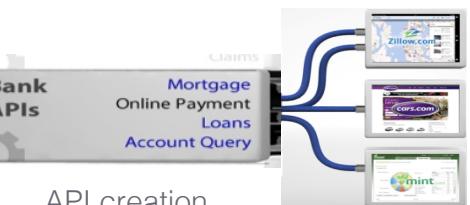
Or... build with web UI on Bluemix DevOps Services

# How will you use it?

- Extend existing applications
  - Add user experience such as mobile, social
  - Add new capabilities integrating other services and APIs
  - Do **rapid** experimentation for new capabilities
- API-enable applications
  - Scalable API layer on top of existing services
  - Simplify how composite service capabilities are exposed through APIs
- New applications
  - Systems of Engagement
  - Internet of Things



Backend systems and integration



API creation and management



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