

The app revolution

Fundamentally changing the way we interact with technology.

Apps are everywhere

The quantity and usefulness of web and mobile apps has led to an "app revolution" among consumers and businesses alike.

Experience matters

Customers and employees now expect a delightful and seamless experience across all interactions with a business.

Cloud makes it possible

Apps today can be stitched together quickly with pre-built assets. Cloud makes the API economy possible.



App development is about speed and choice

Developers' expectations have evolved.



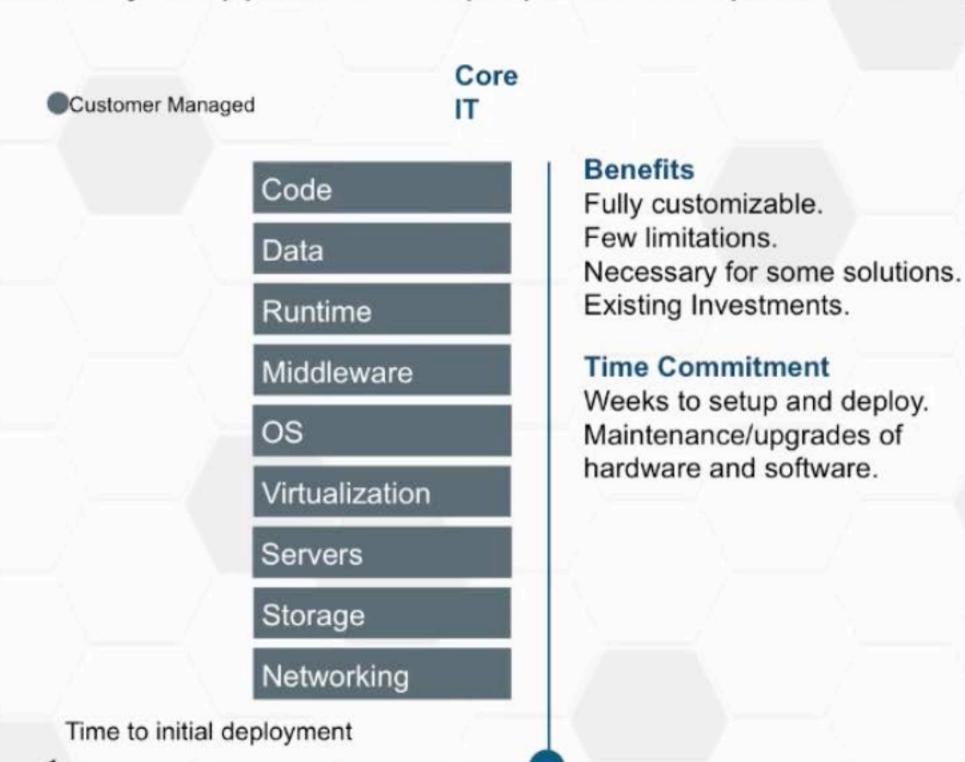
demy



Timing is critical...

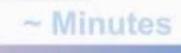
~ Days

Today's apps must keep up with the speed of the app revolution.



~ Weeks





Timing is critical...

Today's apps must keep up with the speed of the app revolution.

Infrastructure as a Service Customer Managed Service Provider Managed Benefits Code Data Runtime Middleware OS and apps varies. Virtualization Servers Storage Networking

Most control in the cloud. Necessary for some solutions. Infrastructure managed by SP.

Time Commitment

Minutes to provision VM. Time to configure software Maintenance/upgrades of OS, middleware, runtime.





Core IT







Time to initial deployment

Timing is critical...

Today's apps must keep up with the speed of the app revolution.

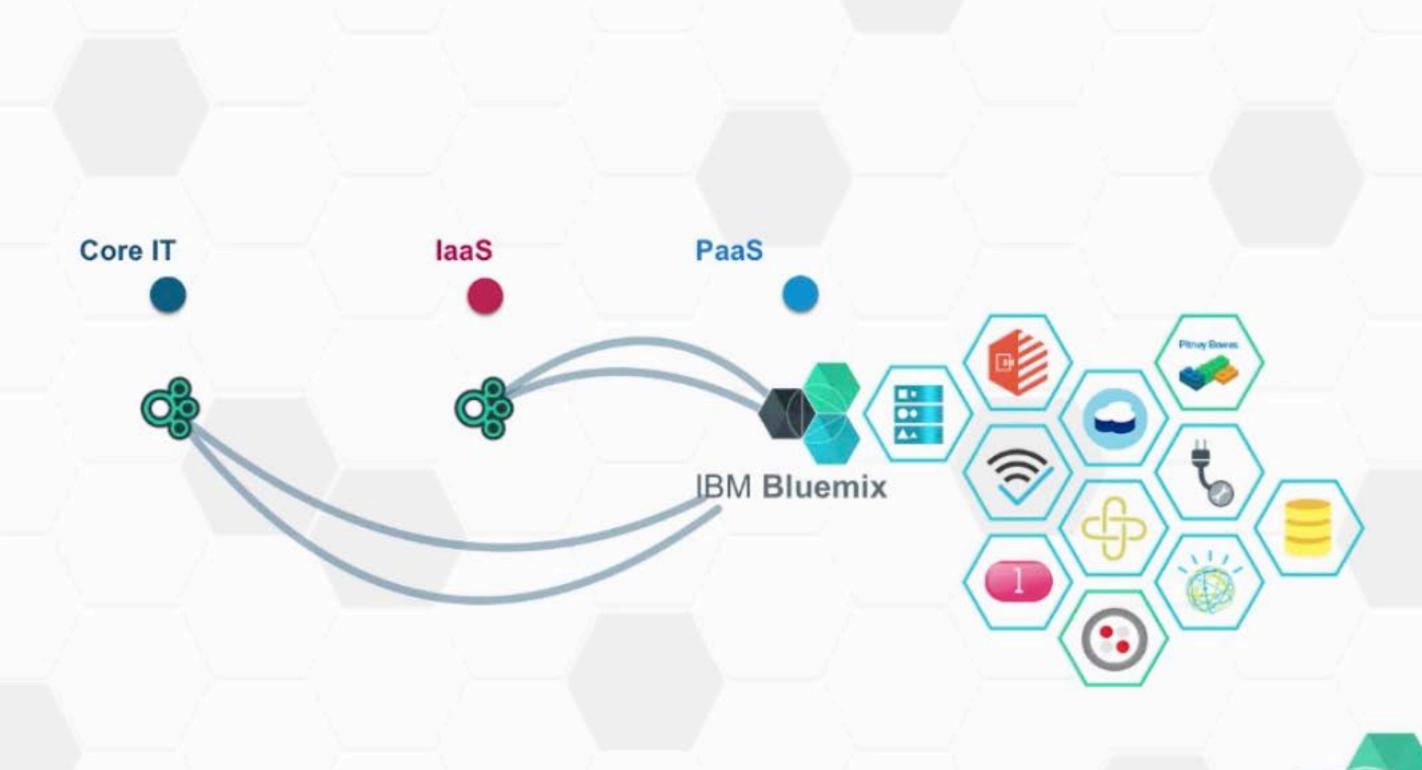
Platform as a Service Customer Managed Service Provider Managed Benefits Code Setup environments and deploy apps very quickly. Data Infrastructure and platform managed by SP. Runtime Middleware **Time Commitment** Minutes to setup and deploy. os Focus on your apps and their data. Virtualization Servers Storage Networking **IBM Bluemix** Time to initial deployment Core IT ~ Days ~ Minutes ~ Weeks

Standardization; lower costs; faster time to value



...so are all of your other investments

Leverage the power of Bluemix without abandoning what you already use.







What is Bluemix?

Bluemix is an open-standard, cloud-based platform for building, managing, and running applications of all types (web, mobile, big data, new smart devices, and so on).























Go Live in Seconds

The developer can choose any language runtime or bring their own. Zero to production in one command.

APIs and Services

A catalog of IBM, third party, and open source API services allow the developer to stitch an application together in minutes.

On-Prem Integration

Build hybrid environments.

Connect to on-premise assets plus other public and private clouds.

DevOps

Development, monitoring, deployment, and logging tools allow the developer to run the entire application.

Layered Security

IBM secures the platform and infrastructure and provides you with the tools to secure your apps.

Flexible Pricing

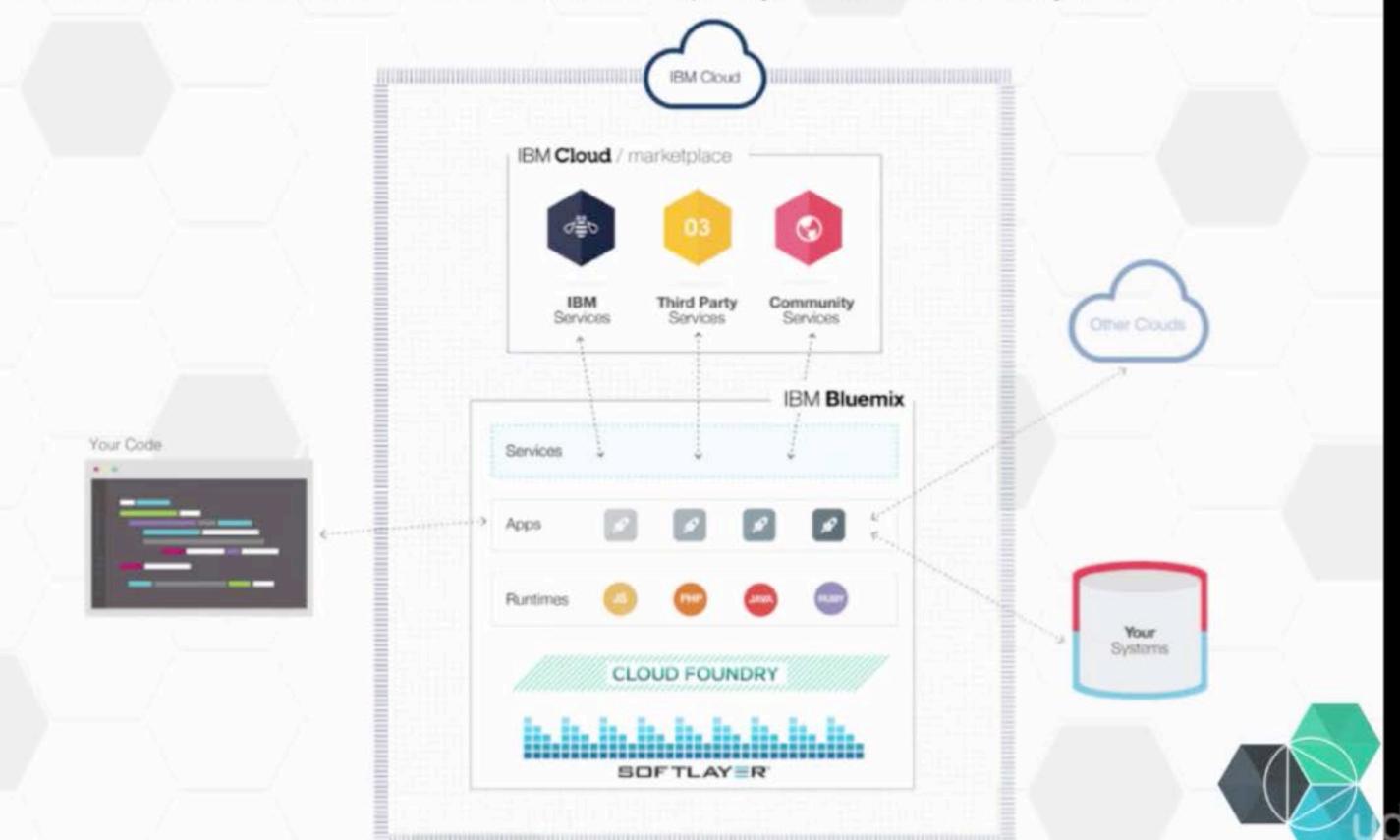
Sign up in minutes. Pay as you go and subscription models offer choice and flexibility.





How does Bluemix work?

Bluemix embraces Cloud Foundry as an open source Platform as a Service and extends it with IBM, third party, and community built services.





Why are developers using Bluemix?

To rapidly bring products and services to market at lower cost



Go from zero to running code in a matter of minutes.

To continuously deliver new functionality to their applications



Automate the development and delivery of many applications.

To extend existing investments in IT infrastructure



Extend existing investments by connecting securely to on-premise infrastructure.





Core use cases

What 30,000 beta applications have told us.

Web Applications

- Enabling online experiences in the physical store for retail
- Leverages BlueMix for data collection APIs and dashboards
- Reduction of infrastructure setup from days to minutes by moving off of a pure laaS

APIs and On-Prem Integration

- Providing APIs that are integrated into the BlueMix experience
- Leveraging existing on premise databases and technologies
- Building mobile applications that connect to on-prem data via Bluemix

Mobile Back Ends

- Back end services replacing custom code hosted on laaS (e.g. Push Notification)
- Cloud Code for offloading business logic from the mobile client
- Integrated into iOS and Android native applications using BlueMix SDK

Analytics and Reporting

- Embed IBM Cognos business intelligence content into apps
- Use IBM Analytics Warehouse to store and analyze business data
- Gain immediate visibility and control over app performance and availability



Catalog - Delivering Composable Services for building an environment



Run Your Apps

The developer can chose any language runtime or bring their own. Just upload your code and go.

DevOps

Development, monitoring, deployment and logging tools allow the developer to run the entire application

APIs and Services

A catalog of open source, IBM and third party APIs services allow a developer to stitch together an application in minutes.

Cloud Integration

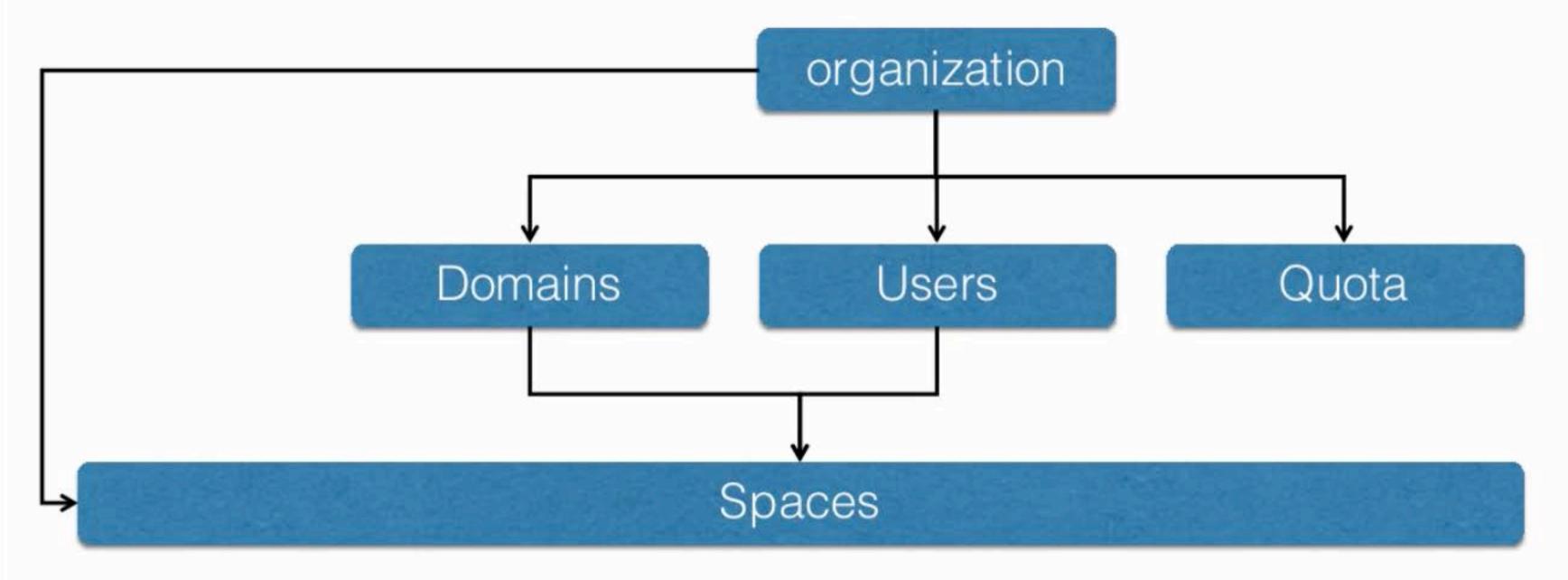
Build hybrid environments. Connect to onpremises systems of record plus other public and private clouds. Expose your own APIs to your developers.

Extend SaaS Apps

Drop in SaaS App SDKs and extend to new use cases (e.g., Mobile, Analytics, Web)



Organizations, Spaces, Users and Domains





Organizations

An organization is defined by the following items:

Spaces -

Spaces provide a mechanism to collect related applications, services, and the users that can collaborate on the resources. An organization can contain multiple spaces. All application and service creation within Bluemix™ must be associated with a space.

Users -

A user must be assigned to an organization to be granted permission to the spaces within the organization.

Domains -

Domains provide the route on the Internet that is allocated to the organization. A route has a sub-domain and a domain. A sub-domain is typically the application name. A domain might be a system domain, or a custom domain that is the personally registered for your application.





Quota -

Quota represents the resource limits for the organization. Quota defines the number of services and the amount of memory that can be allocated for use by the organization. Any application or service in a space of the organization contributes to the usage of the quota. The quota is assigned when organizations are created.

