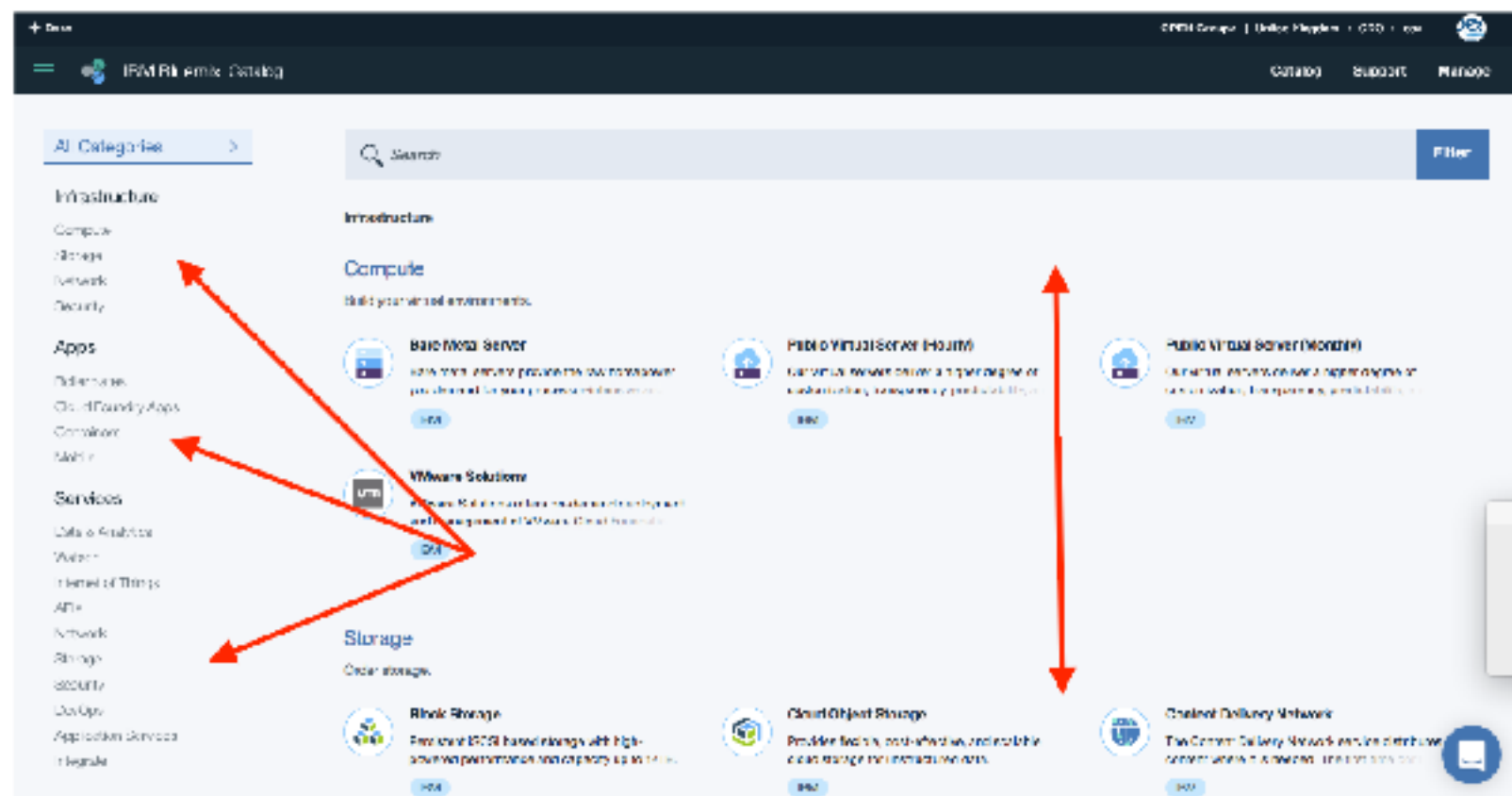


Le catalogue de services Bluemix

Le catalogue de service Bluemix dispose de plus de 140 services et APIs.




Chaque catégorie est listée dans le menu de gauche avec 3 grands thèmes:

- Infrastructure (Compute, Storage, Network & Security)
- Apps


- Infrastructure.

Compute – Les serveurs physiques (Bare Metal) et machines virtuelles (Virtual Server) à l'heure afin de concevoir finement votre architecture. VMware est également


Compute
Build your virtual environments.




Bare Metal Server
Bare metal servers provide the raw horsepower you demand for your processor-intensive workloads.
[Learn More](#)



Public Virtual Server (Hourly)
Our virtual servers deliver a higher degree of customization, transparency, predictability, and performance.
[Learn More](#)




Public Virtual Server (Monthly)
Our virtual servers deliver a higher degree of customization, transparency, predictability, and performance.
[Learn More](#)




VMware Solutions
VMware Solutions offers on-demand deployment and management of VMware Cloud Foundation.
[Learn More](#)

Storage – Choisir le **type** de stockage **que** vous avez besoin.
Bluemix dispose **de** plusieurs options comme **file** storage,
block storage et object storage,
configurable afin **de** choisir vitesse et performance.


Storage
Order storage.




Block Storage
Persistent iSCSI based storage with high-powered performance and capacity up to 12TB.
[RM](#)



Cloud Object Storage
Provides flexible, cost-effective, and scalable cloud storage for unstructured data.
[RM](#)























Content Delivery Network
The Content Delivery Network service distributes content where it is needed. This final step costs.
[RM](#)



File Storage
Fast and flexible NFS-based file storage with capacity options from 20GB to 12TB.
[RM](#)

Networking – Partie critique **de la** partie Infrastructure.
Plusieurs choix possible ici également avec Direct Link
et réseaux privés VPN, Load Balancing, VLAN spanning et Vyatta gateways
pour **des** connexions sécurisées.

Network
Order network.


 Citrix NetScaler VPX Dedicated Load Balancer Industry-leading application delivery controller with superior 4-7 load balancing and application acceleration. 	 Direct Link Cloud Exchange Establish unpeered direct network connections to and from your IBM IaaS platform. 	 Direct Link Colocation Establish unpeered direct network connections to and from your IBM IaaS platform. 
 Direct Link Network Service Provider Establish unpeered direct network connections to and from your IBM IaaS platform. 	 Domain Name Service IBM Cloud offers domain registration services complete with dedicated support staff. 	 IPSec VPN VPN service is designed to allow users to remotely manage all servers and services. 
 Local Load Balancing An easy-to-use Load Balancer service to improve availability and resiliency of your application. 	 Subnets/VPs Order static, public, or private IPs in portable or global subnets to create a connected cloud. 	 VLAN Spanning VLAN Spanning, connects all private network VLANs on an account, allowing deployment. 
 Vyatta Gateway Appliance Protect your cloud infrastructure and optimize its performance with a gateway appliance. 		

Security – Assurer la meilleure protection de votre application.
Bluemix offre une variété de pare-feux physiques et de certificats SSL
pour garantir la sécurité de vos applications.


Security
Order security




FortiGate Security Appliance
Secure your IBM IaaS environment (and all the information stored there) as well as prevent it.
[IBM](#)



Hardware Firewall
Secure your IBM IaaS environment (and all the information stored there) as well as prevent it.
[IBM](#)



Hardware Firewall (Dedicated)
Secure your IBM IaaS environment (and all the information stored there) as well as prevent it.
[IBM](#)












SSL Certificates
Secure Socket Layer (SSL) certificates provide a secure, encrypted connection between your s
[IBM](#)

- Apps (Applications).











Boilerplates – Ce sont **des kits de démarrage prêts à l'emploi** démontrant ainsi **la puissance de Bluemix**.
Les Boilerplates sont **déployables en quelques secondes** avec le code source réutilisable et modifiable.

Boilerplates
Get started with a new app, now.

 <p>ASP.NET Core Cloudant Starter Use the Cloudant NoSQL DB Service in an ASP.NET Core application.</p> <p>IBM</p>	 <p>Internet of Things Platform Starter Get started with IBM Watson IoT platform using the Node-RED Node.js sample application.</p> <p>IBM</p>	 <p>IoT for Electronics Starter IoT for Electronics is a integrated end-to-end solution made of multiple services and apps.</p> <p>IBM</p>
 <p>Java Cloudant Web Starter Use the Cloudant NoSQL DB service with the 'Liberty for Java' runtime.</p> <p>IBM</p>	 <p>Java Workload Scheduler Web Starter This application demonstrates how to use the Workload Scheduler service, with the 'Liberty for Java' runtime.</p> <p>IBM</p>	 <p>LoopBack Starter This is a sample Single-page Application (SPA) application, powered by the open source LoopBack framework.</p> <p>IBM</p>
 <p>MobileFirst Services Starter</p>	 <p>Node.js Cloudant DB Web Starter</p>	 <p>Personality Insights Java Web Starter</p>

Cloud Foundry Apps – Une ressource pour les développeurs désirant une **expérience** de développement sur l'étagère (out-of-the-**box**). Plus besoin de gérer les dépendances et les **library**. Seul le **code** est important













Cloud Foundry Apps
Deploy your app without managing underlying infrastructure.

 Liberty for Java™ Develop, deploy, and scale Java web apps with ease. IBM WebSphere Liberty Profile is a high performance Java EE runtime. IBM	 SDK for Node.js™ Develop, deploy, and scale server-side JavaScript® apps with ease. The IBM SDK for Node.js is a high performance JavaScript runtime. IBM	 ASP.NET Core Develop, deploy, and scale ASP.NET Core web apps with ease. IBM
 Runtime for Swift A Kubernetes-based server application that you can use as a starting point to get your own Kubernetes application. IBM	 XPages Develop, deploy, and scale IBM XPages applications with ease. The IBM XPages runtime is a high performance XPages runtime. IBM	 Go Develop, deploy, and scale Go web apps with ease. Community
 PHP Develop, deploy, and scale PHP web apps with ease. Community	 Python Develop, deploy, and scale Python web apps with ease. Community	 Ruby Develop, deploy, and scale Ruby web apps with ease. Community
 Tomcat Develop, deploy, and scale Tomcat web apps with ease.		

Containers – Un environnement isolé et sécurisé pour vos applications **qui** supporte plusieurs langages et charge **de** travail sans avoir besoin **d'**outils **de** programmation. Cela fait **que** la technologie **des** containers extrêmement portable . Cette technologie **est** basée sur Docker.

Containers

Get started by creating a Kubernetes cluster, selecting a Docker image, or uploading your own image.

 Upload an image Upload an image for your container or scalable group.	 ibm-backup-restore Create one-time or scheduled back ups of container volumes using IBM Object Storage. IBM	 ibm-integration-bus Start developing your own integration solutions with IBM Integration Bus for Developers. IBM
 ibm-mq IBM	 ibm-node-strong-pm Run an instance of the StrongLoop Process Manager and deploy Node.js apps that were IBM	 ibm-webphere-extreme-scale Run one or more instances of WebSphere Extreme Scale caching server to provide IBM
 ibm_wa_agent Explore unrestricted scheduling and automation capabilities with a next generation Workload IBM	 ibmLiberty Deploy WAR, EAR, or CGI apps that are based on Java in an IBM WebSphere Application Ser IBM	 ibmnode Build and deploy Node.js apps using this image as a parent. IBM
 bx-report My Org	 bx-report-new-feature My Org	 fibonacci My Org

OpenWhisk – Une technologie sans serveur pour exécuter son code sur événement. Par exemple, vous ne voulez utiliser un programme **que** lorsque vous recevez une alerte.

Vous ne payez **que** pour le temps **d'exécution** (**en** ms)

OpenWhisk

Execute code on demand in a highly scalable, serverless environment.










OpenWhisk

Execute code on demand in a highly scalable, serverless environment.

IBM

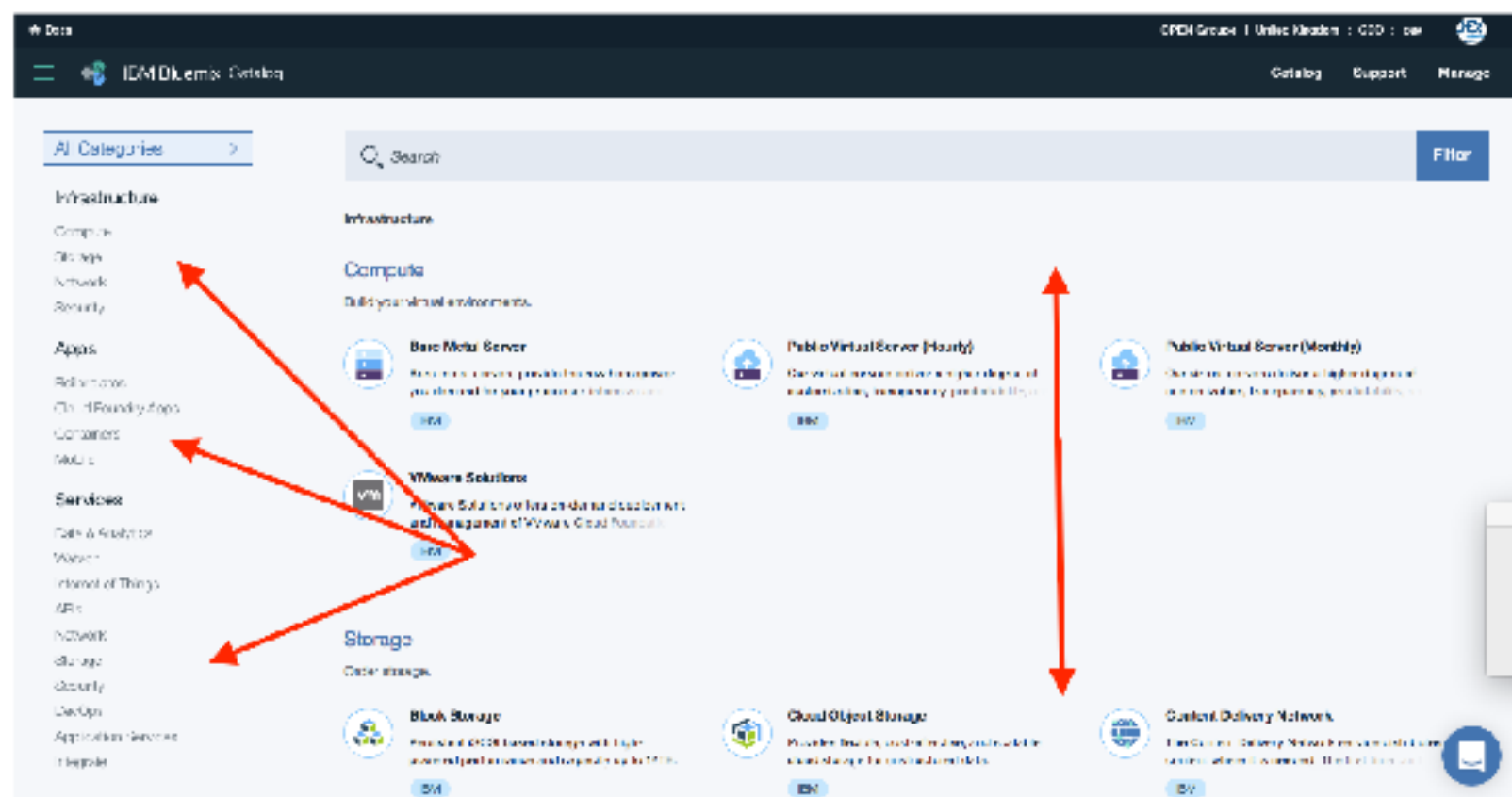
Mobile – Des services autour du développement d'applications mobiles.

Mobile
Quickly get started with your next app.

 App ID Add authentication to your apps, and track user profile information so you can build engaging experiences. IBM	 Mobile Analytics Mobile app development and business stakeholders: Use IBM Mobile Analytics for insights. IBM	 Mobile Foundation Comprehensive Mobile Backend for your native apps. IBM
 Push Notifications Scalable and reliable Push Notifications service for mobile and web applications. IBM	 Kinetise Rapid development of mobile apps. With SOURCE CODE. Third Party	 Testdroid Cloud Mobile testing cloud service. Third Party
 Twilio Build apps that communicate. Integrate voice, messaging and VoIP into your web and mobile. Third Party		

Passons maintenant à la section Services du catalogue.


Il est possible de consulter le catalogue en entier ou bien de choisir les familles de services avec le menu de gauche.



Data & Analytics – Un ensemble de services et d'APIs pour stocker et analyser vos données.

Data & Analytics


Essential data services; limitless possibilities.



Apache Spark

IBM Analytics for Apache Spark for Bluemix.


IBM



Cloudant NoSQL DB

Cloudant NoSQL DB is a fully managed document layer designed for modern web and mobile applications.


IBM



Compose Enterprise

IBM Compose Enterprise is a service which provides a private isolated cluster for Bluemix.


IBM



Compose for Elasticsearch

Elasticsearch combines the power of a full text search engine with the indexing strengths of a...


IBM



Compose for etcd

etcd is a key/value store developers can use to hold the always-correct data you need to...


IBM Beta



Compose for MongoDB

MongoDB with its powerful indexing and aggregation and wide driver support, has...


IBM



Compose for MySQL

MySQL is probably the most popular open source relational database in the world; it debuted in...


IBM Beta



Compose for PostgreSQL

Postgres is a powerful, open source object-relational database that is highly customizable...


IBM



Compose for RabbitMQ

RabbitMQ asynchronously handles the message between your applications and databases...


IBM



Compose for Redis

Redis is an open-source, lightning fast, key/value low maintenance store. Compose's platform...


IBM



Compose for RethinkDB

RethinkDB is a JSON document based, distributed database with an integrated...

IBM















Compose for ScyllaDB

ScyllaDB is a highly performant, in-place replacement for the Cassandra wide-column...

IBM Beta












Watson – IBM délivre les capacités cognitives via Watson.
Vous pouvez enrichir vos applications avec **des** services
de machine learning et **de** reconnaissance d'images.
Watson permet d'analyser **des** données non structurées, traduire **des** documents
ou encore d'analyser votre personnalité.

Watson
Build cognitive apps that help enhance, scale, and accelerate human expertise.

 <p>Conversation Add a natural language interface to your application to automate interactions with your users. IBM</p>	 <p>Discovery Add a cognitive search and content analytics engine to applications. IBM</p>	 <p>Document Conversion Converts a HTML, PDF, or Microsoft Word™ document into a normalized HTML, plain text. IBM</p>
 <p>Language Translator Translate text from one language to another for specific domains. IBM</p>	 <p>Natural Language Classifier Natural Language Classifier performs natural language classification on question texts. Also. IBM</p>	 <p>Natural Language Understanding Analyze text to extract meta-data from content, such as concepts, entities, sentiment, and more. IBM</p>
 <p>Personality Insights The Watson Personality Insights derives insights from transactional and social media data to. IBM</p>	 <p>Retrieve and Rank Add machine learning enhanced search capabilities to your application. IBM</p>	 <p>Speech to Text Low-latency, streaming transcription. IBM</p>
 <p>Text to Speech Synthesizes natural-sounding speech from text. IBM</p>	 <p>Tone Analyzer IBM Analyze uses linguistic analysis to detect three types of tones from communications. IBM</p>	 <p>Visual Recognition Find meaning in visual content. Analyze images for scenes, objects, faces, and other content. IBM</p>

Internet of Things – Tout objet connecté à un réseau peut être de l'IoT, tout comme votre téléphone portable.
Bluemix dispose d'une plate-forme IoT complète.
Une fois votre objet connecté, tirez parti des services IoT pour analyser toutes ces données.

Internet of Things
A new generation of applications.

 <p>Internet of Things Platform This service is the hub of all things IBM IoT. It is where you connect up and manage your devices.</p> <p>IBM</p>	 <p>Context Mapping IBM Watson IoT Context Mapping Service brings the power to your application to analyze context.</p> <p>IBM</p>	 <p>Driver Behavior IBM Watson IoT Driver Behavior Service lets you analyze driver behavior from vehicle profiles.</p> <p>IBM</p>
 <p>IoT for Electronics The IoT for Electronics service supports user and device registration and notifications. As part of the IoT Platform.</p> <p>IBM</p>	 <p>IoT for Insurance IBM IoT for Insurance is an integrated IoT production instance that collects and analyzes data.</p> <p>IBM</p>	 <p>AT&T Flow Designer Design, Build and Deploy IoT Solutions in Minutes.</p> <p>Third Party</p>
 <p>AT&T IoT Data Plans Launch your IoT product, built with IoT code plans.</p> <p>Third Party</p>	 <p>AT&T M2X Time Series IoT Data Service</p> <p>Third Party</p>	 <p>Car Diagnostic API Translation services for OBD error codes.</p> <p>Third Party</p>
 <p>IQP IoT Code-Free App Development Code-free IoT App Creation</p> <p>Third Party</p>	 <p>XportRule Decision Automation for node-RED Decision Author for node-RED</p> <p>Third Party</p>	

APIs – Ce service **est** indispensable pour **gérer** le cycle de vie de vos APIs.

APIs

APIs published in your org or shared from API Management.



API Connect

Create, manage, enforce, and run APIs.

IBM

Network – En plus des services Réseaux dans la partie infrastructure, un VPN est disponible pour les containers.

Network

Build your cloud networking infrastructure.








Virtual Private Network (VPN)

Secured VPN connection for Containers.

IBM












Security – Le service Sécurité permet **de** renforcer **la** sécurité **des** applications (scan **des** failles **de** sécurité **d'**applications Web **ou** mobile **ou** SSO pour implémenter **de** l'authentification)
Même si Bluemix **est** sécurisé **de** part son architecture,
il **se** doit **de** considérer plus **de** sécurité à chaque application.

Security
Build security into application design.

 Activity Tracker Capture, store, and visualize your Bluemix cloud activities. IBM Beta	 App ID Add authentication to your apps, and host user profile information as you can build engaging... IBM	 Application Security on Cloud A robust, practical security vulnerability assessment for your web applications. IBM
 Adaptive Security Manager (ASM) Frictionless Adaptive Multi-Factor Authentication Third Party	 Passport Modern Identity and User Management Third Party	













DevOps – Adoptez une approche DevOps en utilisant les services de gestion du cycle de vie d'applications. Cela inclut une chaîne d'outils ouverte automatisant la génération et le déploiement d'applications. Vous pouvez commencer en créant une chaîne d'outils de déploiement simple qui prend en charge les tâches de développement, de déploiement et les opérations.

DevOps
From development to deployment.

 Active Deploy Update your running apps with zero downtime, or quickly revert to your original version. IBM Deprecated	 Auto-Scaling Automatically increase or decrease the number of application instances based on a policy you define. IBM	 Availability Monitoring Around the world, around the clock availability and performance monitoring. IBM
 Globalization Pipeline Manage the translation of your cloud and mobile applications using IBM Globalization Pipeline. IBM	 IBM Alert Notification Never miss critical alerts. Notify the right people immediately. Respond to incidents with confidence. IBM	 Monitoring and Analytics Gain the visibility and control you need over your application. Determine the response time you need. IBM
 BlazeMeter Performance Testing Platform Third Party	 Hiptest The most simple and powerful test management platform Third Party	 JKool JKool provides real-time and historical visualization and analytics Third Party
 Load Impact Performance and load testing for DevOps Third Party	 New Relic Manage and monitor your apps Third Party	






Application Services – Un large choix **de** services pour donner **de la** valeur à votre application web **ou** mobile. Ces services laissent aux **développeurs** plus **de** temps pour coder leur applications et du temps pour **l'innovation**.

Application Services
Deliver new web and mobile apps.

 <p>Blockchain Utilize IBM's Blockchain technology within Bluemix. IBM</p>	 <p>Business Rules Enables developers to spend less time recording and testing when the business policy changes. IBM</p>	 <p>Message Hub IBM Message Hub is a scalable, distributed, high-throughput message bus to unite your on-premise and cloud applications. IBM</p>
 <p>Session Cache Improve application resiliency by storing session state information across many HTTP requests. IBM</p>	 <p>WebSphere Application Server Allows you to quickly get up and running on a pre-configured WebSphere Application Server. IBM</p>	 <p>Workload Scheduler Automate your tasks to run one time or on recurring schedules. Far beyond Cron, expand your automation capabilities. IBM</p>
 <p>APIs from Pitney Bowes Add enterprise-class geodata and commerce technology your application. Third Party</p>	 <p>CloudAMQP Managed HA RabbitMQ servers in the cloud. Third Party</p>	 <p>DreamFace Cloud Application Development Platform. Third Party</p>
 <p>Esri ArcGIS for Developers</p>	 <p>Intelligent Travel API</p>	 <p>Mapbox Maps</p>

Integrate – Des services pour créer un cloud hybride.

Integrate
Extend existing investments and infrastructure.

 <p>API Connect Create, manage, enforce, and run APIs.</p> <p>IBM</p>	 <p>App Connect Connect your applications, automate tasks, and improve productivity.</p> <p>IBM Pivotal</p>	 <p>Product Insights Connect IBM products to track inventory and understand usage.</p> <p>IBM</p>
 <p>Secure Gateway IBM Secure Gateway for Bluemix enables users to integrate cloud services with enterprise systems.</p> <p>IBM</p>	 <p>Rocket Mainframe Data Rocket Mainframe Data Service on Bluemix provides an easy way to leverage your mainframe.</p> <p>Third Party</p>	

A **la** fin du catalogue, vous noterez une section pour **des** services Bluemix expérimentaux. Ce sont les services **qui** sont **en** cours **de** développement par les LABs IBM, **qui** potentiellement seront intégrés au catalogue **général**.



Looking for more?

Check out the Bluemix experimental services to try out experimental runtimes and services.

[Bluemix Experimental Services](#)

Enjoy Bluemix ! 