

# 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
- Services

- Infrastructure.

Compute – Les serveurs physiques (Bare Metal) et machines virtuelles (Virtual Servers) sont consommables au mois ou à l'heure afin de concevoir finement votre architecture. VMware est également disponible à l'achat.

## Compute

Build your virtual environments.



### Bare Metal Server

Bare metal servers provide the raw horsepower you demand for your processor-intensive and

IBM



### Public Virtual Server (Hourly)

Our virtual servers deliver a higher degree of customization, transparency, predictability, and

IBM



### Public Virtual Server (Monthly)

Our virtual servers deliver a higher degree of customization, transparency, predictability, and

IBM



### VMware Solutions

VMware Solutions offers on-demand deployment and management of VMware Cloud Foundation

IBM

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.

IBM



### Cloud Object Storage

Provides flexible, cost-effective, and scalable cloud storage for unstructured data.

IBM



### Content Delivery Network

The Content Delivery Network service distributes content where it is needed. The first time con

IBM



### File Storage

Fast and flexible NFS-based file storage with capacity options from 20GB to 12TB.

IBM

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.

IBM



### Direct Link Cloud Exchange

Establish unparalleled network performance to and from your IBM IaaS platform.

IBM



### Direct Link Colocation

Establish unparalleled network performance to and from your IBM IaaS platform.

IBM



### Direct Link Network Service Provider

Establish unparalleled network performance to and from your IBM IaaS platform.

IBM



### Domain Name Service

IBM Cloud offers domain registration services complete with dedicated support staff.

IBM



### IPSec VPN

VPN access is designed to allow users to remotely manage all servers and services.

IBM



### Local Load Balancing

An easy to use Load Balancer service to improve availability and scalability of your application.

IBM



### Subnets/IPs

Order static, public, or private IPs in portable or global subnets to create a connected and secure environment.

IBM



### VLAN Spanning

VLAN Spanning, connects all private network VLANs on an account, allowing devices on any VLAN to communicate.

IBM



### Vyatta Gateway Appliance

Protect your cloud infrastructure and optimize its performance with a gateway appliance.

IBM

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 preventing

IBM



### Hardware Firewall

Secure your IBM IaaS environment (and all the information stored there) as well as preventing

IBM



### Hardware Firewall (Dedicated)

Secure your IBM IaaS environment (and all the information stored there) as well as preventing

IBM



### SSL Certificates

Secure Socket Layer (SSL) certificates provide a secure, encrypted connection between your

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.



### ASP.NET Core Cloudant Starter

Use the Cloudant NoSQL DB Service in an ASP.NET Core application.

IBM



### Internet of Things Platform Starter

Get started with IBM Watson IoT platform using the Node-RED Node.js sample application. [View](#)

IBM



### IoT for Electronics Starter

IoT for Electronics is a integrated end-to-end solution (made of multiple services and apps)

IBM



### Java Cloudant Web Starter

Use the Cloudant NoSQL DB service with the 'Liberty for Java'™ runtime.

IBM



### Java Workload Scheduler Web Starter

This application demonstrates how to use the Workload Scheduler service, with the 'Liberty

IBM



### LoopBack Starter

This is a sample StrongLoop LoopBack Node.js application, powered by the open source

IBM



### MobileFirst Services Starter



### Node.js Cloudant DB Web Starter



### Personality Insights Java Web Starter

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

IBM



### SDK for Node.js™

Develop, deploy, and scale server-side JavaScript apps with ease. The IBM SDK for

IBM



### ASP.NET Core

Develop, deploy, and scale ASP.NET Core web apps with ease.

IBM



### Runtime for Swift

A Kitura based server application that you can use as a starting point to get your own Kitura

IBM



### XPages

Develop, deploy and scale IBM XPages applications with ease. The IBM 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 backups 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-websphere-extreme-scale

Run one or more instances of WebSphere eXtreme Scale caching server to provide

IBM



### ibm\_wa\_agent

Exploit unrestricted scheduling and automation capabilities with a cost efficient Workload

IBM



### ibmliberty

Deploy WAR, EAR, or OSGI 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.



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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 host user profile information so you can build engaging

IBM



#### Mobile Analytics

Mobile app developers and business stakeholders: Use IBM Mobile Analytics for

IBM



#### Mobile Foundation

Comprehensive Mobile Backend for your digital apps

IBM



#### Push Notifications

Scalable and reliable Push Notifications service for mobile and web applications

IBM



#### Kineticis

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

# le menu de gauche.

The screenshot displays the IBM Bluemix Catalog interface. At the top, a dark navigation bar includes the 'Docs' link, the 'IBM Bluemix Catalog' title, and links for 'Catalog', 'Support', and 'Manage'. The user's location is set to 'OPEN Groupe | United Kingdom | CDO | dev'. Below the navigation bar, the left sidebar contains a list of categories: Infrastructure (Compute, Storage, Network, Security), Apps (Dockerplates, Cloud Foundry Apps, Containers, Mobile), and Services (Data & Analytics, Watson, Internet of Things, APIs, Network, Storage, Security, DevOps, Application Services, Integrate). The main content area features a search bar and a 'Filter' button. It is organized into three primary sections: Infrastructure, Compute, and Storage. The 'Compute' section is highlighted with a blue header and includes a sub-header 'Build your virtual environments.' It lists three offerings: Bare Metal Server, VMware Solutions, and Public Virtual Server (Hourly and Monthly). The 'Storage' section is also highlighted with a blue header and includes a sub-header 'Order storage.' It lists three offerings: Block Storage, Cloud Object Storage, and Content Delivery Network. Red arrows originate from the left sidebar and point to specific items in the main content area: one arrow points from 'Compute' to 'Bare Metal Server', another from 'Storage' to 'Block Storage', and a third from 'Services' to 'Public Virtual Server (Hourly)'. A fourth arrow points from the 'Apps' section to the 'Public Virtual Server (Monthly)' offering. A fifth arrow points from the 'Services' section to the 'Content Delivery Network' offering. The IBM logo is visible at the bottom of each offering card.

IBM Bluemix Catalog

Search

Filter

**Infrastructure**

- Compute
- Storage
- Network
- Security

**Apps**

- Dockerplates
- Cloud Foundry Apps
- Containers
- Mobile

**Services**

- Data & Analytics
- Watson
- Internet of Things
- APIs
- Network
- Storage
- Security
- DevOps
- Application Services
- Integrate

**Infrastructure**

**Compute**

Build your virtual environments.

**Bare Metal Server**

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IBM

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**Storage**

Order storage.

**Block Storage**

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**Cloud Object Storage**

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IBM

**Content Delivery Network**

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IBM

## 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



#### Cloudbant NoSQL DB

Cloudbant NoSQL DB is a fully managed data 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 distributed database.

IBM



#### Compose for etcd

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

IBM

Beta



#### Compose for MongoDB

MongoDB with its powerful indexing and aggregation and wide driver support, has become a popular choice for many developers.

IBM



#### Compose for MySQL

MySQL is probably the most popular open source relational database in the world; it debuted in 1995.

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 flow between your applications and databases.

IBM



#### Compose for Redis

Redis is an open-source, blazingly fast, key/value low maintenance store. Compose's platform provides a managed Redis service.

IBM



#### Compose for RethinkDB

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

IBM



#### Compose for ScyllaDB

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

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.



### Conversation

Add a natural language interface to your application to automate interactions with your

IBM



### Discovery

Add a cognitive search and content analytics engine to applications.

IBM



### Document Conversion

Converts a HTML, PDF, or Microsoft Word™ document into a normalized HTML, plain text,

IBM



### Language Translator

Translate text from one language to another for specific domains.

IBM



### Natural Language Classifier

Natural Language Classifier performs natural language classification on question texts. A

IBM



### Natural Language Understanding

Analyze text to extract meta-data from content such as concepts, entities, emotion, relations.

IBM



### Personality Insights

The Watson Personality Insights derives insights from transactional and social media data to

IBM



### Retrieve and Rank

Add machine learning enhanced search capabilities to your application

IBM



### Speech to Text

Low-latency, streaming transcription

IBM



### Text to Speech

Synthesizes natural-sounding speech from text.

IBM



### Tone Analyzer

Tone Analyzer uses linguistic analysis to detect three types of tones from communications.

IBM



### Visual Recognition

Find meaning in visual content! Analyze images for scenes, objects, faces, and other content.

IBM



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.



### Internet of Things Platform

This service is the hub of all things IBM IoT, it is where you can set up and manage your

IBM



### Context Mapping

IBM Watson IoT Context Mapping Service brings the power to your application to analyze moving

IBM



### Driver Behavior

IBM Watson IoT Driver Behavior Service lets you analyze drivers' behavior from vehicle probe d

IBM



### IoT for Electronics

The IoT for Electronics service supports user and device registration and notifications. As part of

IBM



### IoT for Insurance

IBM IoT for Insurance is an integrated IoT production instance that collects and analyzes

IBM



### AT&T Flow Designer

Design, Build and Deploy IoT Solutions in Minutes

Third Party



### AT&T IoT Data Plans

Launch your IoT product test with IoT data plans

Third Party



### AT&T M2X

Time Series IoT Data Service

Third Party



### Car Diagnostic API

Translation service for OBD error codes.

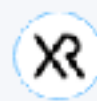
Third Party



### IQP IoT Code-Free App Development

Code-Free IoT App Creation

Third Party



### XpertRule Decision Automation for node-RED

Decision Author for node-RED

Third Party

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 so 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



### 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

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. Speed up response with automa

IBM



### Monitoring and Analytics

Gain the visibility and control you need over your application. Determine the response time your

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.



### Blockchain

Utilize IBM's Blockchain Technology within Bluemix

IBM



### Business Rules

Enables developers to spend less time recoding and testing when the business policy changes

IBM



### Message Hub

IBM Message Hub is a scalable, distributed, high throughput message bus to unite your on-prem

IBM



### Session Cache

Improve application resiliency by storing session state information across many HTTP requests

IBM



### WebSphere Application Server

Allows you to quickly get up and running on a pre-configured WebSphere Application Server

IBM



### Workload Scheduler

Automate your tasks to run one time or on recurring schedules. Far beyond Cron, exploit

IBM



### APIs from Pitney Bowes

Add enterprise-class geodata and commerce technology your application

Third Party



### CloudAMQP

Managed HA RabbitMQ servers in the cloud

Third Party



### DreamFace

Cloud Application Development Platform

Third Party



### Esri ArcGIS for Developers



### Intelligent Travel API



### Mapbox Maps

## Integrate – Des services pour créer un cloud hybride.

### Integrate

Extend existing investments and infrastructure.



#### API Connect

Create, manage, enforce, and run APIs.

IBM



#### App Connect

Connect your applications, automate tasks, and improve productivity.

IBM

Beta



#### Product Insights

Connect IBM products to track inventory and understand usage.

IBM



#### Secure Gateway

IBM Secure Gateway for Bluemix enables users to integrate cloud services with enterprise systems.

IBM



#### Rocket Mainframe Data

Rocket Mainframe Data Service on Bluemix provides an easy way to leverage your mainframe.

Third Party

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](#)

Suivre le chapitre suivant [Déployer une application](#).

**Enjoy Bluemix !** 