

Resumen ejecutivo de calificación / Rating executive summary

Cliente/Servicio – Client/Service: ES0071/S004
Referencia - Reference: ES007100403582165
Fecha de validez – Valid until: Nov/29/2026

Proveedor de servicio / Service provider

International Business Machines SA

**Identificación del servicio calificado/
Rated Service identification**

Servicios de cifrado IBM Cloud® Hyper Protect /
IBM Cloud® Hyper Protect Crypto Services

**Descripción del
servicio calificado /
Rated service
description**

The commercial offering including in this service is the following:

Service	Description	Documentation link
IBM Power Virtual Server for IBM Cloud	IBM Power Virtual Server for IBM Cloud	IBM Power Virtual Server for IBM Cloud
IBM Cloud Hyper Protect Crypto Services (for VPC)	Hyper Protect Virtual Servers are fully tailored for developers and can use industry-standard Open Container Initiative (OCI) images with a standard user interface to provision, manage, maintain and monitor within the IBM® Cloud virtual private cloud (VPC) infrastructure. By leveraging the VPC, this new generation of Hyper Protect Virtual Servers is able to offer additional network security.	https://cloud.ibm.com/docs/hs-crypto?topic=hs-crypto-integrate-services

Alcance / Scope

VPC COMMON INFRASTRUCTURE

IBM Cloud's heritage began with a focus on deployment of secure and isolated computing, and today our infrastructure services leverage next-generation capabilities built from the ground-up on Kubernetes. Cloud native technologies and global Site Reliability Engineering (SRE) best practices have been used to create "available at the click of a button" capabilities from infrastructure to platform to software services.

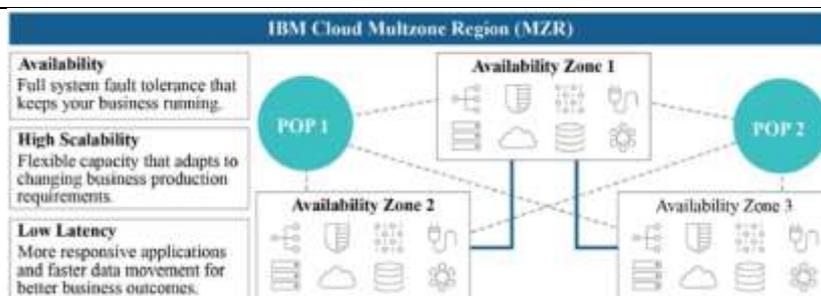
As a provider uniquely oriented toward regulated industry needs, IBM Cloud is focused on continuous compliance, operational excellence, and broad and pervasive data protection. IBM's clients leverage built-in fail-over at the infrastructure and platform levels to provide resiliency. They leverage data, AI, and analytics capabilities to monitor risk and transform business processes. Security, data protection, performance, resiliency, and availability are primary design considerations, amongst other industry leading features described throughout this document.

The Multi-Zone Region (MZR) model increases system availability through redundancy, while decreasing latency through the proximity of Data Centers (DCs) within the region to meet our customers' need for High Availability (HA). Each MZR includes multiple DCs to provide geographically redundant services.

IBM Cloud allows users to deploy workloads with the highest level of data protection at rest and in transit with Keep Your Own Key (KYOK), and seamless integration across IaaS and PaaS. In addition, industry-informed controls enable users, to operate securely with sensitive data in the public cloud. IBM Cloud's industry-informed controls allow our clients to enable the level of transparency and compliance required to modernize and accelerate mission-critical applications.

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IBM Cloud is built on a hyperscale commercial cloud platform with IaaS, PaaS, and SaaS designed to provide enterprises with secure, open, high performance cloud capabilities. IBM Cloud offers a robust Red Hat OpenShift (Kubernetes) cloud platform, allowing customers to seamlessly develop, deploy, manage, and operate their workloads in IBM Cloud with full interoperability.

IBM Cloud Secure Virtualization together with IBM Cloud Virtual Private Cloud (VPC) provides logical separation, which is critical for regulated industry customers.

VPC DATA CENTERS WITHIN BOUNDARY AND SCOPE

IBM Cloud PaaS and VPC IaaS services are housed in IBM data centers that have implemented all necessary security measures to satisfy the ENS High controls described in this document. Data center operations create and manage physical infrastructure resources.

IBM Cloud services in scope for ENS High are available in multiple zones across one or more IBM Cloud regions. These are linked using multiple telecom service providers for backbone connectivity and multiple co-location management providers for data center facility management.

Application providers with bare metal, virtual, or hybrid environments can access the servers remotely (electronically) from anywhere in the world. Certain facilities house both co-location servers and IaaS related servers. Co-location customers do not have logical or physical access to the infrastructure system. As such, co-location cages housing customers' servers are not included within the boundaries of the system.

Locations and Vendors

Refer to the table below for a list of specific data centers and the associated vendors that provide facility management services in the IBM Cloud facilities within the boundaries of the system.

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Facility	Physical Location	Facility Manager
FRA02*	Frankfurt, DE Leonhard - Heisswolf Str 4.Frankfurt am Main, 65936 DE, Germany	Cyrus One
FRA04	Frankfurt, DE Eschborner Landstrasse 100, Frankfurt, Germany	NTT Data
FRA05	Frankfurt, DE Weissmullerstrasse 40 Frankfurt, Germany	Digital Realty
MAD02*	Madrid, ES Av. de la Industria, 15, 28108 Alcobendas, Madrid, Spain	Data4
MAD04	Madrid, ES C. Aquisgrán, 2, 28232 Las Rozas de Madrid, Madrid, Spain	NTT Data
MAD05	Madrid, ES C. de Alfonso Gómez, 6, 28037 Madrid, Spain	Digital Realty
PAR01	Paris, FR 7-9 rue Petit - 92582 Clichy, France	Global Switch
PAR04	Paris, FR 7-9 rue Petit, 92582 Clichy, France	Global Switch
AMS03	Amsterdam, AMS Rondebeltweg 62, Almere, 1329BG, The Netherlands	NorthC Datacenters Almere
MIL01	Milan, MIL Via Monzoro 101-105 20010 Cornaredo (MI), Italy	Data4

(*) Two data centers that have been included in the audit sample.

CRYPTOGRAPHIC KEY MANAGEMENT SYSTEMS

IBM provides a single-tenant hybrid key management service, Hyper Protect Crypto Services (HPCS).

Hyper Protect Crypto Services (HPCS). HPCS offers an HSM backed key storage, an identical API for compatibility, and can be used for centralized key management. All cloud data storage services integrate with HPCS and use TLS v1.2 to secure all API calls. In addition to key management, the HSM-backed service allows secure storage of arbitrary data, such as passwords, keys, text strings, and exposes native cryptographic operations such as encrypting and decrypting data, via the API.

Proceso de calificación

El proceso de calificación consta de cuatro etapas:

- Elaboración de la memoria justificativa por parte del proveedor del servicio o realización de auditoría de tercero independiente conforme a la norma internacional ISAE 3402
- Pre-evaluación documental de la memoria justificativa (o del informe de auditoría) y solicitud, en caso de que sea necesario, de subsanación de errores y/o aclaraciones
- Evaluación *in situ* de una muestra de controles incluidos en la memoria justificativa (solo en caso de que no se haya realizado auditoría previa)
- Elaboración de informe final y emisión del sello con la calificación obtenida

Una vez obtenido el sello, se ponen en funcionamiento los mecanismos de supervisión del esquema:

- Canal de incidencias
- Monitorización en fuentes abiertas
- Auditorías aleatorias

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Este nivel de calificación se obtiene sobre la base de las respuestas indicadas por el proveedor de servicios en cuanto a la aplicabilidad y, en su caso, existencia de los controles incluidos en la metodología de calificación en su versión 3.2.1 y las evidencias aportadas por el mismo u obtenidas por el equipo de la agencia durante la revisión *in situ* en las instalaciones del proveedor del servicio.

Rating process

Rating and certification process have four steps:

- Preparation of a memory by the service provider or conducting an audit by an independent third party according to ISAE 3402.
- Documentary pre-assessment based on previous memory (or audit report) and require, if needed, correction or errors and/or clarifications.
- In situ assessment based on a sample of controls included in the memory.
- Preparation of final report and issue of the label and certification with the rating level obtained.

Once the label has been issued, supervision mechanisms come into place:

- Incident channel
- Cybersecurity online monitoring
- Random exhaustive audits

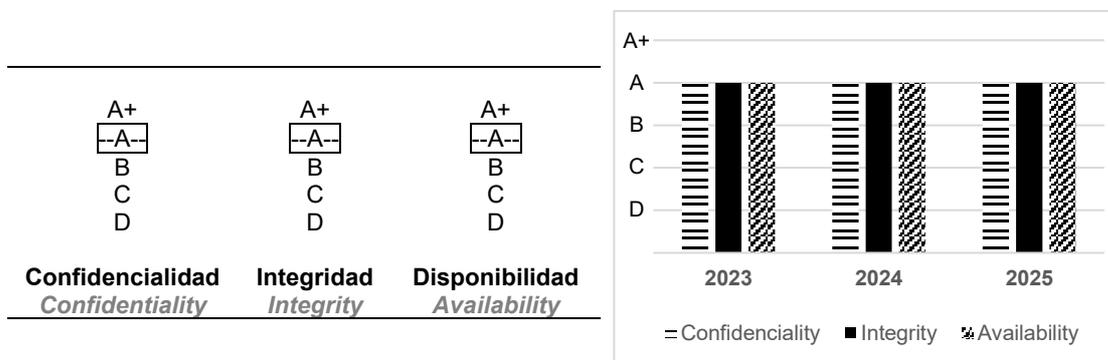
This report corresponds to the third step of the rating process and it shapes the final assessment of service rating, based on the answers that the service provider has included in the memory about applicability and implementation of controls included in rating methodology version 3.2.1 and evidences provided by the provider or obtained by the agency team during the onsite visit in service provider facilities.

Calificación

El nivel de calificación obtenido por el servicio una vez realizado el proceso de calificación mencionado y su evolución respecto a años anteriores se muestran en los gráficos siguientes:

Rating

The rating level obtained by the service and the comparison with previous years according to the qualification level after the aforementioned rating process has been carried out are the following:



Los criterios para asignar la calificación global, según se establece en la versión 3 de la metodología son, implantar:

- El 100% de las medidas generales y para la dimensión correspondiente de prioridad '1'.
- Al menos, el 85% de las medidas generales y para la dimensión correspondiente de prioridad '2'.
- Al menos, el 50% de las medidas generales y para la dimensión correspondiente de prioridad '3'.

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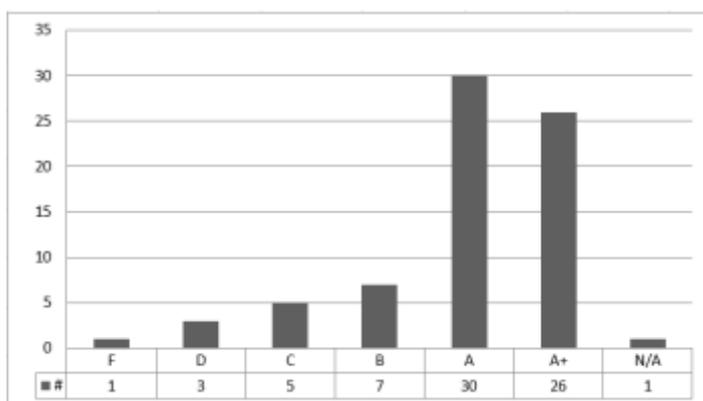
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La evaluación de las secciones individuales que se resumen en el gráfico adjunto considera el 100% de los controles (con independencia de su prioridad). La calificación cuantitativa es una suma ponderada (base mil) de los niveles en los que han sido evaluadas las secciones (con más peso de aquellas que más contribuyen a una seguridad más ágil).

The criteria for assigning the global rating, as established in version 3 of the methodology are:

- 100% of the general measures and for the corresponding dimension of priority '1'.
- At least 85% of the general measures and for the corresponding dimension of priority '2'.
- At least 50% of the general measures and for the corresponding dimension of priority '3'.

The evaluation of individual sections considers 100% of the controls (regardless of their priority) and it is showed in the following diagram. Quantitative rating is a weighted sum (base thousand) of levels achieved by sections (with a higher weight of those with a closer relation to agile security).



Madrid, November 11th, 2025

Mr. Óscar Colado

Rating Evaluation Team – Operations Direction

Chief Auditor: Patricia López

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ANEXO / ANNEX

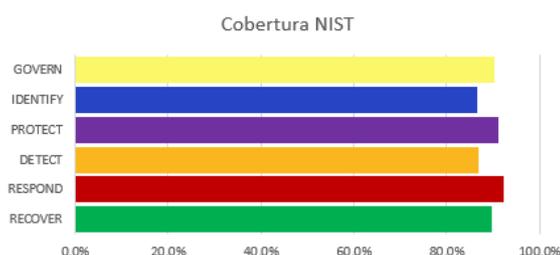
COBERTURA RESPECTO A ESTÁNDARES INTERNACIONALES *INTERNATIONAL STANDARDS COVERAGE*

Cobertura respecto a NIST

Este gráfico muestra el porcentaje de implementación de las prácticas aplicables en el servicio, para el nivel objetivo evaluado (barra decolorada) y con respecto al nivel máximo (barra de color intenso), por cada una de las cinco etapas del marco de ciberseguridad del National Institute of Standards and Technology (NIST)¹.

NIST coverage

This chart shows the implementation porcentaje of practices applicable in the service, for the goal level reviewed (discolored bar) and for the maximum level (intense bar) in each of the five steps of NIST Cybersecurity Framework.



Cobertura respecto a CIS

El Center for Internet Security (CIS) recoge y publica las prácticas de defensa frente a los ataques más comunes, conocidas como CIS Controls.

Los 20 controles de su versión 7² están divididos en tres grupos: *Basic*, *Foundational* y *Organizational*, que a su vez se clasifican en tres grupos de implementación: IG 1, IG 2 e IG 3, según el nivel de exigencia en seguridad que se marque la propia organización. El siguiente diagrama muestra su grado de implementación en el servicio evaluado.

CIS coverage

Center for Internet Security (CIS) collects and publishes the defense practices for most common attacks, known as CIS Controls.

The 20 controls of versión 7 are divided in three groups: Basic, Foundational and Organizational, that are also classified in three implementation groups: IG1, IG2 and IG3 in growing order of demand. Following chart shows the implementation grade in the service in scope.



¹ <https://www.nist.gov/cyberframework>

² <https://www.cisecurity.org/controls/v7>

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INFORMACIÓN ANALÍTICA DE SU EVALUACIÓN ANALYTIC INFORMATION OF YOUR RATING

Resultado por áreas

Los controles han sido clasificados según los principios de *security economics* lo que permite obtener los gráficos siguientes con el porcentaje de implementados por cada tipo respecto al nivel evaluado como objetivo.

Results by areas

Controls have been classified according to *security economics* principles which allows getting the attached diagram showing the percentage of practices implemented in relation to those required by your goal level.

