

# IBM Db2 Warehouse on Cloud adds a new plan offering independent, on-demand scaling of storage and compute, enhanced backup and restore, and significant improvements in high availability

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## At a glance

In addition to the current symmetric multiprocessing (SMP) and massively parallel processing (MPP) standard plans for IBM<sup>(R)</sup> Db2<sup>(R)</sup> Warehouse on Cloud, a new "Flex" plan supports:

- Independent, on-demand scaling of compute cores and storage capacity
- Self-service backup and restore, with up to seven retained snapshots
- Significant improvements in high availability (HA) through the IBM Cloud Container Service
- A flexible consumption model that allows for hourly billing of compute and storage

## Overview

IBM Db2 Warehouse on Cloud is a fully managed, enterprise-grade cloud data warehouse service that enables true hybrid data warehousing. To complement the existing SMP and MPP plans, a Flex plan is available that offers the performance of MPP with greater flexibility for consumption and deployment of storage and compute resources.

The Flex plan packages three key capabilities: independent scaling of storage and compute, self-service backup and restore, and significant improvements in high availability.

With the Flex plan, clients can fully customize their data warehouse, with the option to increase compute cores during heavy database use. Once the extra demand on the warehouse has subsided, clients can scale back down to reduce their costs. In addition, the Flex plan offers immediate storage expansion, so clients can start with the initial storage they need and increase capacity with a few clicks at a later date to accommodate data growth.

The new Flex plan also gives clients more control over their database backups. With self-service backups, clients can keep up to seven backups of their database. They can choose the time of day their backups are taken, and restore from one of these backups whenever they choose. Significant improvements in service availability have also been made through the IBM Cloud Container Service.

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## Key prerequisites

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An internet connection is required.

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## Planned availability date

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January 31, 2018

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## Description

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The new Flex plan for IBM Db2 Warehouse on Cloud complements the SMP and MPP plans that are currently offered.

The Flex plan allows for independent, on-demand scaling of compute cores and storage capacity, giving clients greater control of resource consumption and increased efficiency with their operational expenses. This differs from the current SMP and MPP plans that do not offer this flexibility, and offer only fixed configurations of compute cores and storage capacity.

After selecting a base level of compute cores and storage capacity, clients using the Flex plan have the ability to independently adjust their compute cores and storage capacity in predefined increments based on their own workload requirements. Compute cores can be increased to support periods of peak demand, and then scaled back to their previous state once demand has subsided. Storage can also be increased on demand to accommodate data growth. Clients can choose whether to perform a scaling operation immediately, or schedule a scaling operation to happen sometime in the future if necessary.

In addition, the Flex plan offers greater control over database backups. Up to seven daily backups are retained, and clients can choose to restore from one of these backups whenever they desire.

The Flex plan is currently available in the IBM Cloud data center in Dallas, with plans for expansion to other IBM Cloud data centers in the coming year. New clients can select the base Flex plan configurations and have their instance provisioned within an hour on IBM Cloud. Clients with existing SMP or MPP plans can work with IBM to provision an instance of a Flex plan and migrate to the new instance at the client's requested time and date.

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### Accessibility by people with disabilities

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A US Section 508 Voluntary Product Accessibility Template (VPAT), containing details about accessibility compliance, can be found on the [Product accessibility information](#) website.

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## Program number

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Program number	VRM	Program name
5725-U38	Cloud Services	Db2 Warehouse on Cloud Flex

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## Offering Information

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Product information is available on the [IBM Offering Information](#) website.

More information is also available on the [Passport Advantage<sup>\(R\)</sup>](#) and [Passport Advantage Express<sup>\(R\)</sup>](#) website.

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## Publications

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Documentation can be found in [IBM Knowledge Center](#).

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## Services

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### **Global Technology Services**

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Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings, for the efficient installation, implementation, or integration of this product.

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## Technical information

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### **Specified operating environment**

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#### **Software requirements**

An internet connection is required.

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a readme file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

### **Planning information**

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#### **Packaging**

This offering is accessed through the internet. There is no physical media or electronic deliverable.

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## Ordering information

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For ordering information, consult your IBM representative or go to the [Passport Advantage](#) website.

Product: IBM Db2 Warehouse on Cloud (5725-U38)

### **Passport Advantage**

<b>Part description</b>	<b>Part number</b>
IBM Db2 Warehouse on Cloud Flex Performance Instance per Month	D1WGVLL
IBM Db2 Warehouse on Cloud Flex Performance Additional Storage 2400 Gigabytes per Month	D1WGWLL
IBM Db2 Warehouse on Cloud Flex Performance Additional Compute 24 Virtual Processor Cores per Month	D1WGXLL
IBM Db2 Warehouse on Cloud Flex Performance Additional Storage 2400 Gigabyte-Hours Pay per Use	D1WHPLL

Part description	Part number
IBM Db2 Warehouse on Cloud Flex Performance Additional Compute 24 Virtual Processor Core-Hours Pay per Use	D1WHQLL

### Charge metric

Program name	PID number	Charge metric
IBM Db2 Warehouse on Cloud	5725-U38	Instance
IBM Db2 Warehouse on Cloud	5725-U38	Virtual Processor Core
IBM Db2 Warehouse on Cloud	5725-U38	Gigabyte

### Instance

Instance is a unit of measure by which the Cloud Service can be obtained. An Instance is access to a specific configuration of the Cloud Service. Sufficient entitlements must be obtained for each Instance of the Cloud Service made available to access and use during the measurement period specified in Client's PoE or Transaction Document.

### Virtual Processor Core

Virtual Processor Core is a unit of measure by which the Cloud Service can be obtained. A Physical Server is a physical computer that is comprised of processing units, memory and input/output capabilities, and that executes requested procedures, commands or applications for one or more users or client devices. Where racks, blade enclosures or other similar equipment is being employed, each separable physical device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate Physical Server. A Virtual Server is either a virtual computer created by partitioning the resources available to a Physical Server or an unpartitioned Physical Server. A Processor Core (commonly called a processor or CPU) is a functional unit within a computing device that interprets and executes instructions. A Processor Core consists of at least an instruction control unit, and one or more arithmetic or logic unit. A Virtual Processor Core is a Processor Core in an unpartitioned Physical Server, or a virtual core assigned to a Virtual Server. Sufficient entitlements must be obtained for each Virtual Processor Core made available to the Cloud Service during the measurement period specified in Client's PoE or Transaction Document.

### Gigabyte

Gigabyte is a unit of measure by which the Cloud Service can be obtained. A Gigabyte is defined as 2 to the 30th power bytes of data (1,073,741,824 bytes). Sufficient entitlements must be obtained to cover the total number of Gigabytes processed by the Cloud Service during the measurement period specified in Client's PoE or Transaction Document.

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## Terms and conditions

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The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction for the acquisition of Cloud Services from IBM consist of either the IBM Cloud Services Agreement and the applicable offering Service Description or the IBM International Passport Advantage Agreement or the International Passport Advantage Express Agreement and the IBM Terms of Use -- General Terms for Cloud Offerings and the applicable offering Service Description.

### Technical support

Technical support is provided for Cloud Services and enabling software, as applicable, during the subscription period. Any enhancements, updates, and other

materials provided by IBM as part of any such technical support are considered to be part of the Cloud Service, as applicable, and therefore governed by the applicable agreement as defined in Client's quote or transaction document. Technical support is included with the Cloud Service and is not available as a separate offering.

Additional technical support information for this Cloud Service offering may be found in the [IBM Support Handbook](#) or in service-specific documentation.

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**Terms of Use**

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Cloud Service offering-specific terms are available on the [Cloud Service terms](#) website.

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**Limited warranty**

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See the warranty defined in the applicable agreement governing Client's acquisition for this offering.

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**Money-back guarantee**

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No

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**Volume orders (IVO)**

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No

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**Passport Advantage applies**

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Yes, information is available on the [Passport Advantage and Passport Advantage Express](#) website.

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**Software Subscription and Support applies**

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No

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**Variable charges apply**

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No

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**Educational allowance available**

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Education allowance does not apply. Education software allowance does not apply. Special education prices are available for qualified customers through Passport Advantage.

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**Statement of good security practices**

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IT system security involves protecting systems and information through intrusion prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a regulatory compliant, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

**Important:** IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

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## Prices

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For all local charges, contact your IBM representative.

### **Passport Advantage**

For Passport Advantage information and charges, contact your IBM representative. Additional information is also available on the [Passport Advantage and Passport Advantage Express](#) website.

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## Announcement countries

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All European, Middle Eastern, and African countries, except Islamic Republic of Iran, Sudan, and Syrian Arab Republic.

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