IBM Financial Transaction Manager Enterprise for Multiplatforms V3.0 provides a high-value solution that supports a broad range of payment types

At a glance

IBM® Financial Transaction Manager Enterprise for Multiplatforms V3.0:

- Provides the ability to process multiple payment types through a single reliable, high-performance platform.
- Supports real-time payments through The Clearing House, along with National Automated Clearinghouse Association (NACHA) payments, Single Euro Payments Area (SEPA) credit and debit payments, UK Faster Payments, and Society for Worldwide Interbank Financial Telecommunication (SWIFT) message processing.
- Offers a converged solution across channels and payment networks to help enable predictive insights, improve customer reporting, and reduce risk.
- Can help reduce implementation time and cost, speed on-boarding, and shorten time-to-market with new and enhanced services.

Overview

Financial Transaction Manager Enterprise for Multiplatforms V3.0 provides, a single high-value solution that offers the ability to process a broad range of payment types within the modern, robust Financial Transaction Manager suite. This new offering brings together capabilities that were previously available within five different offerings. Financial institutions can now process the following message types through a single ISO20022-compliant platform, by using a common Internal Standard Format (ISF):

- Immediate payment messages that conform The Clearing House (TCH) standards
- Automated Clearing House (ACH) files that conform to NACHA operating rules (includes all SEC codes)
- Single Euro Payments Area (SEPA) Credit Transfer and SEPA Direct Debit message flows
- Bankers' Automated Clearing Services (BACS) for UK Automated Clearing House (ACH) payments, Clearing House Automated Payment System (CHAPS) for UK Real Time Gross Settlement, and UK Faster Payments Service (FPS) messages
- SWIFTNet FIN, InterAct and FileAct files through SWIFT-certified messaging interfaces
Financial Transaction Manager Enterprise for Multiplatforms offers an established solution that helps support financial institutions in the development or transformation of their financial transaction management systems. It features an extendable platform that can be easily extended to help support the pan-European instant payments solution, the Zelle payments network, and other new regional or in-country schemes worldwide. The solution can process high volumes of financial messages reliably and is designed to meet the throughput and latency mandates for TCH Real-time Payments and other schemes with similar performance requirements.

By providing a single solution for a wide range of payment types, Financial Transaction Manager Enterprise for Multiplatforms can help provide the following benefits to financial institutions:

- A more complete solution that offers multiple payments types through a single payments processing system
- Elimination of disconnected legacy payment systems
- More attractive pricing
- Reduced time-to-market for new client-facing services
- Improved operational efficiency
- A faster learning curve for employees
- A single point of services and support
- Ability to see, report and analyze activity across payment channels
- Ability to run on a variety of operating systems

**Key prerequisites**

IBM Financial Transaction Manager for Multiplatforms V3.0 is a prerequisite for Financial Transaction Manager Enterprise for Multiplatforms V3.0.

For additional information, refer to the Technical Information section.

**Planned availability date**

October 13, 2017

**Description**

**Enterprise Solution**

Financial Transaction Manager Enterprise for Multiplatforms V3.0 provides, a single, high-value solution that offers the ability to process a broad range of payment types within the modern, robust Financial Transaction Manager suite. This new offering brings together capabilities that were previously available within five different offerings:

- Financial Transaction Manager for ACH Services (including Immediate Payments) V3.0.4
- Financial Transaction Manager for Corporate Payment Services V3.0.4
- Financial Transaction Manager for SEPA Services V3.0.0
- Financial Transaction Manager for UK Payments Integration V3.0.0
- Financial Transaction Manager for SWIFT Services V3.0.0
Financial institutions can now process the following message types though through a single ISO20022-compliant platform, by using a common Internal Standard Format (ISF):

- Immediate payment messages that conform The Clearing House (TCH) standards
- Automated Clearing House (ACH) files that conform to NACHA operating rules (includes all SEC codes)
- SEPA Credit Transfer (SCT) and SEPA Direct Debit (SDD) message flows
- Banks' Automated Clearing Services (BACS) for UK ACH payments, Clearing House Automated Payment System (CHAPS) for UK Real Time Gross Settlement, and UK Faster Payments Service (FPS) messages
- SWIFTNet FIN, InterAct and FileAct files through SWIFT-certified messaging interfaces

Financial Transaction Manager Enterprise for Multiplatforms offers an established solution that helps support financial institutions in the development or transformation of their financial transaction management systems. It features an extendable platform that can be easily extended to help support the pan-European instant payments solution, the Zelle payments network, and other new regional or in-country schemes worldwide. The solution is able to process high volumes of financial messages reliably and is designed to meet the throughput and latency mandates for TCH Real-time Payments and other schemes with similar performance requirements.

By offering a more complete solution that offers multiple payments types through a single payments processing system, financial institutions can eliminate disparate, disconnected legacy payment systems.

The solution is priced so that the initial purchase price can be less than purchasing similar capabilities separately. In addition, ongoing costs can be decreased through improved operational efficiencies resulting from having a single consistent solution, supported by a single point of services and support.

Having a single payments solution can also offer a faster learning curve for employees and enable reduced time-to-market for new client-facing services. The ability to see, report and analyze activity across payment channels can result in more efficient internal operations, and provide opportunities to offer new and innovative services to a financial institution's clients.

**ACH and Immediate Payments Services**

ACH and Immediate Payment services supports not only the NACHA payments network but also the scheme standards from The Clearing House (TCH) through an ISO20022-compliant platform that can easily be extended to support the Zelle payments network, the European Banking Association (EBA), and other immediate payment initiatives. The product allows financial institutions to provide immediate payment features and functions to their clients, and to help leverage their investment in the Financial Transaction Manager suite. Financial Transaction Manager Enterprise for Multiplatforms V3.0 can help financial institutions stay current with scheme modifications as payment schemes evolve.

Immediate payments processing capabilities:

- Provides a new payment rail that supports immediate payments as a new payments alternative.
- Delivers a payments solution designed to comply with TCH Real-time Payments system’s inbound and outbound use cases 1, 2, and 3.
- Offers the capability to be extended to help support the Zelle payments network, pan-European instant payments and other country-specific or regional immediate payment schemes.
- Provides APIs to support many legacy payment applications and services for other payment types through the Financial Transaction Manager Internal Standard Format (ISF).
- Delivers ability to integrate with anti-fraud capabilities.
• Supports ISO 20022 payment message APIs for adding messages to the immediate payments message stream and receiving corresponding notification of transaction results.
• Offers the ability to participate in pilot phases for existing and new payment schemes as these new schemes are rolled out.
• Delivers the ability to achieve business insights into the message warehouse data by using IBM Cognos® Business Intelligence.
• Includes both an administration and operations GUI through Financial Transaction Manager.

ACH transaction processing capabilities:

• Supports receiving and sending files in accordance with the NACHA 2014 operating rules (includes all SEC codes).
• Delivers reference implementations for NACHA file origination and receipt.
• Has transaction routing and delivery rules for ACH processors, including direct sends from one financial institution to another.
• Includes administration capabilities for partner on-boarding and maintenance.
• Delivers process management for operational control and system monitoring.
• Helps with ACH payment receipt capabilities, including control total matching, authorization, NACHA rules compliance validation, and Notification of Change (NOC) and Death Notification Entry (DNE) management.
• Contains ACH payment processing capabilities, including risk services, client billing for products and services, generation of accounting entries, inbound and outbound returns, and accounts receivable check conversion services.
• Handles exception management of files, batches, and transactions.
• Can manage warehousing of future dated work.
• Contains reporting and extracts for financial institutions and their clients.
• Includes data retention of processed transactions.
• Includes documentation for the ACH implementation.

Benefits include:

• Rapidly introduces an immediate payments offering to their clients.
• Allows financial institutions to participate in immediate payment scheme pilots.
• Can process high volumes of financial messages reliably.
• Is designed to meet the throughput and latency mandates for TCH Real-time Payments and other schemes with similar performance requirements.
• Helps financial institutions to remain competitive in the marketplace.
• Enables financial institutions to offer a faster payments product that meets their business needs and their client's service level agreements (SLAs).
• Provides APIs to legacy applications and services.
• Offers cost reduction and increased revenue opportunities through new and improved payment services.
• Provides a modern platform to meet ACH and immediate payment processing challenges.
• Helps address client's demand for near real-time processing and information access.
• Helps improve risk management and assists with organizations' compliance obligations through improved visibility to payment transactions across multiple payment channels.
• Has prebuilt support for processing North American ACH payments in to and out of the Financial Transaction Manager internal standard format.
• Delivers prebuilt message flows to manage ACH related interactions with a clearing and settlement mechanism.
• Is able to execute, monitor, audit, and track ACH payments.
• Provides transparency across ACH processing.
• Increases ability to enable straight through processing for real-time or near real-time ACH payments.
• Provides a robust and scalable environment to process large volumes of ACH payments.
• Allows for easier adoption of ACH Rule updates.
• Enables new client services, such as deposit and exception notification with improved visibility and self-service.
• Provide confidence that their offering meets performance requirements.
• Have deeper understanding of payment trends and patterns.
• Easily segment payment usage and billing.
• Provide anti-fraud integration to instill confidence for both the bank and clients.
• Provide a product offering that meets regulatory requirements.

Corporate Payment Services

Corporate Payment Services include prebuilt support for processing corporate payment transactions. It leverages the capabilities of Financial Transaction Manager, including utilizing the robust and scalable platform to handle large volumes of corporate payment transactions. It also introduces a rich new set of payment services and capabilities ranging from client on-boarding to transaction receipt, transaction management, transaction distribution, with overall financial governance, and an operational user interface.

Corporate Payment Services core capabilities:

• Transaction services, that provides configuration and management services for clients, products, add-on services, and a library of capabilities and that include business day management, a services framework, robust APIs, and an operational user interface
• Gateway services, that provides entitlement, duplicate checking, transmission attribute, and expected delivery validation
• Distribution services, that provides financial transmission batching, scheduling, remapping, and transmission delivery
• Settlement account services, that provides overall financial totaling and governance
• Documentation for the corporate payments implementation
• Email notifications
• Aliases
• Administration capabilities for partner on-boarding and maintenance
• Process management for operational control and system monitoring
• Control total matching and authorization
• Risk services, client billing for products and services, and generation of accounting entries
• Exception management of files, batches, and transactions
• Warehousing of future dated work
• Reporting and extracts for financial institutions and their client

Key benefits include:

• Provides robust client and entitlement configuration.
• Provides product and add-on service configuration.
• Enables business day context and boundary for transactions for financial governance and balancing.
• Increases visibility and management of payment processing through an extensive operational user interface.
• Provides access to system information through a robust API.
• Is able to develop, register, schedule, and manage short running tasks such as reports and extracts through a services framework.
• Provides tracking services to monitor expected events such as inbound and outbound deliveries with alerting for missed deadlines.
• Enables transmission and transaction validation, including duplicate checking, authorized delivery, attribute validation, and entitlement validation.
• Includes online receipt, distribution, and extract service performance monitoring.
• Has robust logging and alerts.
• Enables client acknowledgments with detailed validation results.
• Provides client transmission delivery scheduling based on multiple cutoffs and deadlines throughout the business day.
• Enables threshold-based transmission delivery based on transmission value, size, or number of payments.
• Provides ability to manually release transmissions and alternate destination remapping.
• Provides ability to configure replica destinations for outbound transmissions and also null file transmission delivery for specific clients.
• Provides end-of-business day processing, including database purge of historical records.
• Provides summary totals for inbound accepted transmissions and outbound transmissions.
• Includes totals for inbound transmissions by individual partners and for outbound transit and on USA payments by destination for various regions.
• Includes pending totals for work that is expected to be sent.

SEPA Services

SEPA services include prebuilt support for processing SEPA transactions. The SEPA feature helps enable financial institutions to comply with SEPA rules and offers SEPA Credit Transfer (SCT) and SEPA Direct Debit (SDD) capabilities to their clients. It enables financial institutions to leverage the capabilities of Financial Transaction Manager, including utilizing this robust and scalable platform to handle large volumes of SEPA transactions, allowing for full traceability and control of SEPA transactions.

SEPA Services core capabilities:

• Predefined message transformation from SEPA ISO 20022 formats in to and out of the Financial Transaction Manager internal standard format.
• A reference implementation model demonstrating interactions with the EBA STEP2 clearing and settlement mechanism. This includes bulking and sending payment files on their value date, receipt of verification files, receipt of daily reconciliation reports, receipt of incoming payments, and receipt of requests for recall.
• Client-to-bank message flows, which include SEPA Credit Transfer (SCT) and SEPA Direct Debit (SDD) support.
• Message validation and acknowledgement.
• Euro Banking Association (EBA) simulation support.
• Simulation of SEPA message client receipt and validation.
• Flexibility for clients SCT message formatting and bulking.
• Documentation for the SEPA implementation.

Key benefits include:

• Includes prebuilt message mappers for SEPA payments in to and out of the Financial Transaction Manager internal standard format.
• Delivers prebuilt message flows to manage SEPA related interactions with a clearing and settlement mechanism.
• Can execute, monitor, audit, and track SEPA payments.
• Provides transparency across SEPA processing.
• Increases ability to enable straight through processing for SEPA payments.
• Provides a robust and scalable environment to process large volumes of SEPA payments.
• Allows for easier adoption of SEPA updates.
• Enables the clientsto simulate EBA exchange and client receipt and validation to reduce risk prior to the start of production.

**UK Payments Integration**

UK Payments Integration provides UK payment scheme mappers to help financial institutions quickly enable processing of UK payments through the modern, automated, Financial Transaction Manager payments platform.

UK Payments Integration core capabilities:

• Prebuilt maps into and from the IBM Financial Transaction Manager ISF.
• Scheme mappers that cover Bankers' Automated Clearing Services (BACS) for UK Automated Clearing House (ACH) payments, Clearing House Automated Payment System (CHAPS) for UK Real Time Gross Settlement, and UK Faster Payments Service (FPS).

Key benefits include:

• Provides prebuilt integration for UK Payment Schemes (BACS, CHAPS, and FPS).
• Increases visibility and management of payment processing through an extensive operational user interface.
• Provides access to system information through a robust API.
• Is able to develop, register, schedule, and manage short running tasks, such as reports and extracts, through a services framework.
• Provides tracking services to monitor expected events such as inbound and outbound deliveries with alerting for missed deadlines.
• Has robust logging and alerts.
• Enables threshold-based transmission delivery based on transmission value, size, or number of payments.
• Provides ability to manually release transmissions and alternate destination remapping.
• Provides ability to configure replica destinations for outbound transmissions as well as null file transmission delivery for specific clients.

**SWIFT Services**

SWIFT Services include support for the latest SWIFTNet standards, along with FIN, InterAct, and FileAct services, which exploit the most current functions of SWIFTNet. Additionally, it includes an integral Relationship Management Application for use with the SWIFTNet services FIN, InterAct, and FileAct. It also enables business insight into the message warehouse data tat is based on IBM Cognos Business Intelligence and infrastructure monitoring based on the Java™ Management Extensions (JMX) standard.

Financial Transaction Manager Enterprise for Multiplatforms SWIFT services are fully compatible with IBM WebSphere® Business Integration for Financial Networks. A migration guide is available to help migrate WebSphere Business Integration for Financial Networks customization, configuration and runtime data for use in Financial Transaction Manager for SWIFT Services. Application programs written by using the WebSphere Business Integration for Financial Networks published interfaces, run unchanged.

SWIFT services include the following capabilities:

• SWIFT-certified messaging interfaces for SWIFTNet FIN, InterAct and FileAct
  - Supports SWIFT FIN and SWIFT Standards XML (MX) messages, including their yearly standards updates.
- Offers in-house exchange of SWIFT FIN messages transparent to business applications for reduced costs.
- A SWIFT-certified Relationship Management (RM) application
  - Includes a public interface to access the Relationship Management datastore from organization's applications.
- Message Management functionality for the full set of SWIFT defined financial message types
  - Offers browser-based and flexible manual entry and repair facility for SWIFT FIN and MX messages.
  - Provides flexible routing capabilities that can be based on message content and associated information.
  - Allows validation of messages for SWIFT FIN and MX messages.
  - Includes a configurable printing service.
  - Aids compliance with regulations by supporting configurable auditing.
  - Allows importing and exporting of SWIFT FIN messages using the Sequential Data Facility.
- Business insights on demand
  - Offers predefined reports that are based on IBM Cognos Business Intelligence.
  - Can generate custom reports or adapt predefined reports with Cognos Business Intelligence.
  - Supports both integrated and stand-alone use of IBM Cognos Business Intelligence for Financial Transaction Manager for SWIFT Services data.
- An administrative and operational GUI
  - Includes a command console.
  - Offers event monitoring.
  - Enables operation of FIN Logical Terminal sessions.
  - Provides printing administration.
  - Enables administration of security definitions for the Message Entry and Repair and the relationship management application.
  - Includes reference data administration capabilities.

**Multiplatform support**

The ability to run on ACH and Immediate Payments workloads on multiple IBM operating systems can help to provide the following benefits by allowing them to:

- Run on AIX(R), Linux(R) on x86, or Linux on z Systems(R)
- Use existing hardware or their choice of hardware that is most cost effective for them
- Take advantage of previous experience and investments in the operating system of their choice

**Accessibility by people with disabilities**

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

**Product positioning**

Financial Transaction Manager Enterprise for Multiplatforms provides a set of preintegrated products, built on a highly scalable platform, to gain visibility and control of all payment transactions, manage liquidity, balance financial risk, and facilitate effective financial planning and performance management. In the financial transactions processing, it provides the ability to:

- Manage and monitor messaging traffic.
• Reduce integration complexity.
• Increase performance, scale, and reliability.

Financial Transaction Manager Enterprise for Multiplatforms meets payment processing requirements through a prebuilt and tested offering, including support for SEPA Credit Transfer and Direct Debit, UK Faster Payments, SWIFT messages, NACHA payments and The Clearing House (TCH) Real-time Payments. It also positions financial institution with the ability to introduce new ISO 20022 immediate payment schemes, such as the Zelle payments network and pan-European instant payments as they are introduced domestically or regionally around the globe.

Financial institutions need to connect to one or multiple immediate payments schemes domestically or regionally and provide seamless integration to back end business applications to:

• Originate and receive payments and financial messages in accordance with the scheme mandates.
• Provide APIs to the legacy application and services.
• Meet scheme throughput and latency requirements.
• Provide a deeper understanding of payment trends, patterns, and client exceptions.
• Provide insights on the bank's and client's usage of the immediate payment service to rapidly adjust delivery options.
• Integrate with anti-fraud capabilities to instill confidence.
• Provide dynamic visibility to analytic dashboards to assess value from individual client, client segment, and payment data to better understand your client's behavior, trends, and patterns.

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### Offering Information

Product information is available on the IBM Offering Information website.

More information is also available on the Passport Advantage(R) and Passport Advantage Express(TM) website.

### Publications

Financial Transaction Manager for z/OS documentation can be accessed in IBM Knowledge Center, the home for IBM product documentation. You can customize IBM Knowledge Center to create a collection of documents that include the technologies, products, and versions that you select.

### Services

#### Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach
through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services, contact your Lab Services Sales or Delivery Leader.

Technical information

Specified operating environment

Hardware requirements
Hardware must be compatible with and capable of running a supported operating system, corresponding software, and associated applications.

Financial Transaction Manager for ACH Services for Multiplatforms, V3.0.4 (including Immediate Payments), Financial Transaction Manager for Corporate Payment Services for Multiplatforms, V3.0.4, Financial Transaction Manager for SEPA Services for Multiplatforms, V3.0.0, and Financial Transaction Manager for UK Payments Integration for Multiplatforms, V3.0.0 run on some or all of the following:

Operating system software:

- Runtime server
  - IBM AIX(R) V6.1 TL9
  - IBM AIX V7.1 TL3
  - Red Hat Enterprise Linux(R) Server (x86-64) 6.6
  - Red Hat Enterprise Linux Server (IBM z Systems(R), 64 bit) 6.5
  - SUSE Linux Enterprise Server 11 (IBM z Systems)

- Developer workstation
  - Microsoft(TM) Windows(TM)

For Financial Transaction Manager for SWIFT Services V3.0:

Operating system software:

- Runtime server
  - IBM AIX V6.1 TL9
  - IBM AIX V7.1 TL3
  - Red Hat Enterprise Linux Server (x86-64) 6.6
  - Red Hat Enterprise Linux Server (IBM z Systems, 64 bit) 6.6

- Developer workstation
  - Microsoft Windows
  - Linux

- Browser
  - Any operating system supported by the browser

- Application server
  - Microsoft Windows
  - AIX
  - Solaris
  - Linux

- SWIFT Alliance Gateway (SAG)
  - Windows Server 2012 R2
  - IBM AIX V7.1 TL3
For the latest system requirements, see Detailed hardware and software requirements for IBM Financial Transaction Manager offerings website.

**Software requirements**

For Financial Transaction Manager for ACH Services (including Immediate Payments) V3.0.4, Financial Transaction Manager for Corporate Payment Services V3.0.4, Financial Transaction Manager for SEPA Services V3.0.0, and Financial Transaction Manager for UK Payments Integration V3.0.0, other software, in addition to the operating system software, listed in the Hardware requirements section:

- IBM Integration Bus, V9.0
- IBM MQ, V8.0
- IBM Db2 Enterprise Server Edition 10.1, IBM Db2 for z/OS, 10.1 with IBM Db2 Connect Enterprise Edition 10.5, IBM WebSphere Application Server - Base V8.5.5
- IBM Cognos Business Intelligence, V10.2 (for optional reporting support)
- IBM Integration Designer, V8.5.5
- IBM Business Monitor V8.5 (for optional dashboard support)

For Financial Transaction Manager for SWIFT Services V3.0, other software, in addition to the operating system software, listed in the Hardware requirements section:

- Runtime server
  - IBM Integration Bus V9.0.0.3
  - IBM MQ V8.0.0.3
  - IBM Db2 Enterprise Server Edition 10.1.0.4
  - IBM Runtime Environment, Java Technology Edition 7.0 SP9 FP1
  - IBM Installation Manager 1.8.3
  - IBM Cognos Business Intelligence V10.2.1 (only required when using reporting)
- Developer workstation
  - IBM Integration Bus V9.0.0.3 (Toolkit component only)
- Browser
  - Mozilla Firefox ESR 38 or Microsoft Internet Explorer 11
- Application server
  - WebSphere Application Server V8.5.5.6
- SWIFT Alliance Gateway (required only when using SWIFTNet FIN, InterAct, or FileAct services)
  - SWIFT Alliance Gateway 7.0.40
  - IBM Runtime Environment, Java Technology Edition 8 (SAG Add-On component on AIX) or Oracle Java Runtime Environment 8 (SAG Add-On component on Windows or Solaris)
  - IBM MQ 8 Client (SAG Add-On component)
  - IBM XL C/C++ Enterprise Edition for AIX V13.1 Runtime Environment (SAG Add-On component on AIX)

For more information about system requirements, see Detailed hardware and software requirements for IBM Financial Transaction Manager offerings website.

**Planning information**

**Packaging**
This offering is delivered through the internet as an electronic download. There is no physical media.

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, which will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Ordering information

This product is only available through Passport Advantage. It is not available as shrinkwrap.

These products may only be sold directly by IBM or by authorized IBM Business Partners for Channel Value Rewards.

More information can be found on the IBM Channel Value Rewards website.

To locate IBM Business Partners for Channel Value Rewards in your geography for a specific Channel Value Rewards portfolio, go to the Find a Business Partner page.

Product group: Financial Transaction Manager

Product: IBM Financial Transaction Manager for Enterprise for Multiplatforms

(5737-F36)

Product category: Financial Transaction Manager

Passport Advantage

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Virtual Server

Virtual Server is a unit of measure by which the program can be licensed. A 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 server. A virtual server is either a virtual computer created by partitioning the resources available to a physical server or an unpartitioned physical server. Licensee must obtain Virtual Server entitlements for each virtual server made available to the program, regardless of the number of processor cores in the virtual server or the number of copies of the program on the virtual server. When determining the number of Virtual Server entitlements required for licensee's installation or use of the program, the installation or use of the program when used for development and unit testing on single user machines are not taken into consideration.

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

This product is only available through Passport Advantage.

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use. Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

Agreement for Acquisition of Software Maintenance

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

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See the License Information documents page on the IBM Software License Agreement website for more information.

**Limited warranty applies**

Yes

**Limited warranty**

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

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Technical support of a program product version or release will be available for a minimum of two years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect.

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For additional information on the IBM Software Support Lifecycle Policy, see the IBM Software Support Lifecycle Policy website.

**Money-back guarantee**

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Educational allowance available

Not applicable.

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Corrections

(Corrected on October 24, 2017)

The Description and Publications sections are revised.