

IBM Bluemix Local System W3500 and W3550 models run cloud native services, enabled middleware, and open pattern workloads concurrently

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At a glance

IBM^(R) Bluemix^(R) Local System allows clients to run cloud-native services, cloud-enabled applications, and open pattern automations concurrently on their on-premise system.

Bluemix Local System is the evolution of the IBM PureApplication^(R) System IntelTM based offerings. Expanded system capabilities provide:

- Cloud-native workloads that run on Bluemix Local
- Cloud-enabled, middleware workloads that run on PureApplication Software
- Open pattern automation (open patterns) that are built with Heat to automate provisioning, managing, and monitoring open pattern workloads

The BlueMix Local System is available as two different configurations, each with a full range of models:

- Bluemix Local System W3500 models: Ideally suited to CPU intensive workloads and is optimized for price performance by extending the capabilities of the PureApplication System W2500 and W1500 appliances.
- Bluemix Local System W3550 models: High-performance system design that is targeted for workloads that require high IOPS and low latency provided by solid state storage and fibre channel connectivity.

Options for storage expansion for all Bluemix Local System models are available to deliver additional storage for Bluemix Local Systems:

- One to three W3500 Bluemix Local System Storage^(R) Expansions can be added to a W3500 system rack to provide up to 72 TB of additional storage. An additional 17 W3500 storage expansion options can be installed into an adjacent rack to provide up to 480 TB of additional storage. Clients must supply the additional rack and power distribution units with capacity to power the Bluemix Local System Storage Expansion options.
- One to three W3550 Bluemix Local System Storage Expansions can be added to a W3550 Bluemix Local System to provide up to 150 TB of additional storage.

Overview

Bluemix Local System delivers a robust and efficient infrastructure to manage complex workloads and the tasks and processes that are invoked by the workloads. The following workloads are supported:

- Cloud-native workloads that run on [Bluemix Local](#)
- Cloud-enabled application workloads that run on PureApplication Software:
 - Integrated middleware, such as IBM WebSphere^(R) Application Server, IBM DB2^(R), IBM Business Process Management, and hypervisor images.
 - Application-centric workloads that are created by using pattern types, such as web application patterns, database application patterns, and topology patterns.
 - Open pattern automations (open patterns), which are built with Heat, that can be used to automate the provisioning, management, and monitoring of your open pattern workloads

PureApplication Software can be purchased separately or as part of a PureApplication Software Suite, a bundle that includes WebSphere Application Server and DB2. For information, refer to Software Announcement [216-347](#), dated July 26, 2016.

Each system provides the following capabilities:

- Scalable infrastructure, which includes:
 - Hardware that is optimized by workloads
 - Virtualized storage
 - Networking designed to be efficient
- Integrated delivery. Each model is
 - Factory-assembled and ready for installation
 - Tuned for maximum efficiency of data, storage, workload execution, and retrievability
- Single application to administer and manage application deployment

Many organizations find that running cloud-native applications on-premise in a local private cloud platform is beneficial for a number of reasons. Running cloud-native applications in a local private cloud provides ready access to on-premises data and services. This minimizes latency and improves performance while allowing clients to keep their data on-premises for regulatory, security, and privacy reasons. The Bluemix Local System provides management, security, and high availability for specific application environment.

At the same time, clients who need to maximize their existing enterprise applications can move these workloads to cloud environments to optimize their investment and help fund new innovation. Workloads, such as business process management, business intelligence, application servers, web portal, and web commerce. are complex to deploy and manage. Many clients need to automate as much of the application lifecycle as possible. Running cloud-enabled applications on-premises in a local private cloud provides the management, control, and resiliency that many organizations require for these mission-critical applications.

Open patterns are patterns built with open technology:

- OpenStack Heat orchestration
- Open source automation scripting, which include:
 - Salt
 - Ansible
 - Chef
 - Puppet
- Operating systems (Red Hat Enterprise LinuxTM and Ubuntu)

- KVM hypervisor

Key benefits of open patterns include:

- Portability
- Speed of innovation
- Vast development and support
- Consistency of user experience
- Breadth of content
- Ease of integration

Building a custom cloud to address these requirements and distinct types of application environments is complex, but is required so the clients' business can be agile and stay ahead of competition. Bluemix Local System, which is installed by IBM, addresses configuration, integration, and management, by delivering a consistent environment that is fully integrated and optimized to accelerate deployment of the clients' traditional applications, cloud applications, and open patterns with a single point of support. This allows clients to focus on building innovative, custom applications, and services.

PureStart Services for PureApplication

PureStart Services for PureApplication is available for Bluemix Local System W3500 and W3550 models. PureStart Services provides deployment services and support for PureApplication Systems to assist the integration of your systems into your data center and the creation of a tailored, initial deployment plan.

Key prerequisites

One of the following is required:

- Bluemix Local
- PureApplication Software Suite V2.2.2
- PureApplication Software V2.2.2

For planning information, refer to the [Technical information](#) section.

Planned availability date

September 9, 2016

Description

PureStart Services for PureApplication available for Bluemix Local System W3500 and W3550 models

PureStart Services for PureApplication (PureStart Services) delivers deployment services and support. This service includes the assignment of a technical account manager (TAM) for 90 days to assist integration of the PureApplication Systems into the clients' data center. In addition, an IBM consultant will assist with creating an initial deployment plan that is tailored to your specific business objectives and workloads.

PureStart Services include a combination of on-site and remote support to assist clients to:

- Configure PureApplication Systems for initial development use.
- Install required software updates.
- Identify key roles and responsibilities.
- Deliver education and enablement of PureApplication systems basics and operations.
- Determine appropriate backup and restore scenarios to establish support procedures.
- Share industry best practices.
- Provide a central point of contact for remote assistance.

PureStart Services assist clients to:

- Define high-level project plan to address objectives, scope, milestones, expectations, and business value.
- Assist in selecting a project (if not previously confirmed).
- Review each client solution design or creating a basic solution design.
- Estimate project cost.
- Provide an overview of pattern development and deployment .

For additional information on this offering, refer to [IBM PureStart for PureApplication](#).

For additional information on support, refer to the [Appliance Support Handbook](#).

Section 508 of the US Rehabilitation Act

IBM Bluemix Local Systems W3500 and W3550 are capable as of September 9, 2016, when used in accordance with the IBM associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A US Section 508 Voluntary Product Accessibility Template (VPAT) can be found on the [IBM Accessibility](#) website.

IBM makes no representation about the Section 508 status of these third-party products included in this offering. Contact the vendor for specific, current information about the Section 508 status of these products.

Reference information

For information on PureApplication Software Suite V2.2.2 and PureApplication Software V2.2.2, refer to Software Announcement [216-347](#), dated July 26, 2016.

For information on IBM PureStart Services for PureApplication System, refer to Software Announcement [215-316](#), dated August 11, 2015.

Program number

Program number	VRM	Program name
5725-Z16	2.2.2	IBM Bluemix Local System W3500
5725-Z17	2.2.2	IBM Bluemix Local System W3550
5737-B07	2.2.2	IBM PureApplication Suite
5725-Q52	2.2.2	IBM PureApplication Software

Program number	VRM	Program name
5725-X56	Not applicable	IBM PureStart Services for PureApplication System

IBM Bluemix Local System W3500

Product name	Part number	Machine type-model
IBM Bluemix Local System W3500-32	D1LG1LL	8558-S02
IBM Bluemix Local System W3500-64	D1LESLL	8558-S04
IBM Bluemix Local System W3500-96	D1LEYLL	8558-S06
IBM Bluemix Local System W3500-128	D1LEWLL	8558-S08
IBM Bluemix Local System W3500-160	D1LEULL	8558-S10
IBM Bluemix Local System W3500-192	D1LELLL	8558-S12
IBM Bluemix Local System W3500-224	D1LFZLL	8558-S14
IBM Bluemix Local System W3500-256	D1LFXLL	8558-S16
IBM Bluemix Local System W3500-288	D1LF4LL	8558-S18
IBM Bluemix Local System W3500-320	D1LFTLL	8558-S20

IBM Bluemix Local System W3550

Product name	Part number	Machine type-model
IBM Bluemix Local System W3550-32	D1LFMLL	8564-F02
IBM Bluemix Local System W3550-64	D1LFKLL	8564-F04
IBM Bluemix Local System W3550-96	D1LFGLL	8564-F06
IBM Bluemix Local System W3550-128	D1LFE LL	8564-F08
IBM Bluemix Local System W3550-160	D1LFA LL	8564-F10
IBM Bluemix Local System W3550-192	D1LF8LL	8564-F12
IBM Bluemix Local System W3550-224	D1LF2LL	8564-F14
IBM Bluemix Local System W3550-256	D1LFC LL	8564-F16
IBM Bluemix Local System W3550-288	D1LFI LL	8564-F18
IBM Bluemix Local System W3550-320	D1LFP LL	8564-F20
IBM Bluemix Local System W3550-352	D1LFF LL	8564-F22
IBM Bluemix Local System W3550-384	D1LF6LL	8564-F24
IBM Bluemix Local System W3550-416	D1LEQLL	8564-F26
IBM Bluemix Local System W3550-448	D1LFO LL	8564-F28

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^{\(R\)}](#) website.

Publications

[Product information](#) is available.

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 or to contact a Software Services sales specialist, go to the [IBM Software Services](#) website.

Technical information

Specified operating environment

Hardware requirements

There are no requirements for Bluemix Local System W3500 or W3550 models.

Software requirements

One of the following is required:

- Bluemix Local System
- PureApplication Software Suite V2.2.2
- PureApplication Software V2.2.2, with server that runs Red Hat Enterprise Linux 6.6

See the [Reference information](#) section.

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.

IBM Bluemix Local System

Physical specifications

Each IBM Bluemix Local System W3500 and W3550 model is shipped in a 42U Enterprise Rack.

Bluemix Local System W3500 models

Physical dimensions

- Width: 644 mm (25.4 in.)
- Depth: 1130 mm (44.5 in.)
- Height: 2015 mm (79.3 in.)

Weight

Product name	Weight (Kg)	Shipping Weight (kg)	Weight (lbs)	Shipping weight (lbs)
Bluemix Local System W3500-32	580	648	1279	1428
Bluemix Local System W3500-64	619	687	1365	1514
Bluemix Local System W3500-96	658	726	1451	1600
Bluemix Local System W3500-128	697	765	1537	1686
Bluemix Local System W3500-160	736	804	1623	1772
Bluemix Local System W3500-192	775	843	1709	1858
Bluemix Local System W3500-224	814	882	1795	1944
Bluemix Local System W3500-256	853	921	1881	2030
Bluemix Local System W3500-288	892	960	1967	2116
Bluemix Local System W3500-320	931	999	2053	2202

Product environment: Bluemix Local System W3500 models

- Temperature:
 - Non-operating: 5Â° to 45Â° C (41Â° to 113Â° F)
 - Recommended operating temperature: 18Â° to 27Â° C (64Â° to 80Â° F)
 - Allowable operating temperature: 5Â° to 35Â° C (41Â° to 95Â°F)
- Relative humidity:
 - Non-operating: 8% to 80%
 - Recommended operation: 5.5Â° C (42Â° F) dew point to 60% RH and 15Â° C (59Â° F) dew point
 - Maximum operating dew point: 28Â° C (84Â° F)
 - Operating voltage: 200 to 240 Vac
 - Operating frequency: 50/60 Hz +/- 3 Hz
 - Maximum measured power consumption: 9330 watts
 - Power factor: 0.98 typical
 - Thermal output: 31842 Btu/hour (maximum)
 - Power-source loading 9.52 kVa (maximum configuration)
 - Maximum altitude: 3,050 m (10,000 ft)

Noise level and sound power: W3500 Rack mount system:

- Operating: 6.7 bels
- Idling: 6.7 bels

Bluemix Local System W3550 models

Dimensions

- Width: 644 mm (25.4 in.)
- Depth: 1130 mm (44.5 in.)
- Height: 2015 mm (79.3 in.)

Weight

Product name	Weight (Kg)	Shipping Weight (kg)	Weight (lbs)	Shipping weight (lbs)
Bluemix Local System W3550-32	760	828	1676	1825
Bluemix Local System W3550-64	774	842	1707	1856
Bluemix Local System W3550-96	788	856	1738	1887
Bluemix Local System W3550-128	803	870	1770	1919
Bluemix Local System W3550-160	817	885	1801	1950
Bluemix Local System W3550-192	831	899	1832	1981
Bluemix Local System W3550-224	845	917	1863	2012
Bluemix Local System W3550-256	860	927	1894	2043
Bluemix Local System W3550-288	874	941	1926	2075
Bluemix Local System W3550-320	888	955	1957	2106
Bluemix Local System W3550-352	902	969	1988	2137
Bluemix Local System W3550-384	916	983	2019	2168
Bluemix Local System W3550-416	930	997	2050	2199
Bluemix Local System W3550-448	944	1012	2082	2231

Product environment : Bluemix Local System W3550 models

- Temperature:
 - Non-operating: 5Â° to 45Â° C (41Â° to 113Â° F)
 - Recommended operating temperature: 18Â° to 27Â° C (64Â° to 80Â° F)
 - Allowable operating temperature: 5Â° to 35Â° C (41Â° to 95Â° F)

- Relative humidity:
 - Non-operating: 8% to 80%
 - Recommended operation: 5.5° C (42° F) dew point to 60% RH and 15° C (59° F) dew point
 - Maximum operating dew point: 28° C (84° F)
- Operating voltage: 200 to 240 Vac
- Operating frequency: 50/60 Hz +/- 3 Hz
- Maximum measured power consumption: 29394 watts
- Power factor: 0.98 typical
- Thermal output: 69605 Btu/hour (maximum)
- Power-source loading 20.81 kVa (maximum configuration)
- Maximum altitude: 3,050 m (10,000 ft)

Noise level and sound power : W3550 Rack mount system:

- Operating: 6.7 bels
- Idling: 6.7 bels

Electromagnetic compatibility compliance (W3500 and W3550 models)

- U.S.: FCC Part 15 Class A
- Canada: ICES-003, Class A
- Europe: CISP 22 Class A
- Japan: VCCI-A
- China: Peoples's Republic of China commodity inspection law Class A

Product safety compliance (W3500 and W3550 models)

- U.S.: UL 60950
- Canada: CSA 22.2
- Europe: EN 60950
- International: IEC 60950-1 (International Electrotechnical Commission, Safety Information)
- Nordic deviations to IEC 60950-1

Planning information

Packaging

Not applicable

Ordering information

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

Product group	PureApplication System
Product Identifier Description	PID
Bluemix Local System W3500	5725-Z16
Bluemix Local System W3550	5725-Z17
Product category	PureApplication Systems

Passport Advantage

Note: Products and features may not be available in all countries and territories.

IBM Bluemix Local System W3500 (5725-Z16)

Program name/Description	Part number
IBM Bluemix Local System W3500-32 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LG1LL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MH7LL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LG2LL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDDLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MF9LL

Program name/Description	Part number
IBM Bluemix Local System W3500-64 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LESLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGKLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LETLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDALL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MF6LL

Program name/Description	Part number
IBM Bluemix Local System W3500-96 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LEYLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGNLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LEZLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDELL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFALL

Program name/Description	Part number
IBM Bluemix Local System W3500-128 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LEWLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGMLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LEXLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDHLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFDLL

Program name/Description	Part number
IBM Bluemix Local System W3500-160 - Appliance Install	

Program name/Description	Part number
Appliance + Subscription and Support 12 Months	D1LEULL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGLLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LEVLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDRLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFMLL

Program name/Description	Part number
IBM Bluemix Local System W3500-192 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LELLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGHLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LEMLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDKLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFGLL

Program name/Description	Part number
IBM Bluemix Local System W3500-224 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFZLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MH6LL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LG0LL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDJLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFFLL

Program name/Description	Part number
IBM Bluemix Local System W3500-256 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFXLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MH5LL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LFYLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDILL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFELL

Program name/Description	Part number
IBM Bluemix Local System W3500-288 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LF4LL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGRLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LF5LL

Program name/Description	Part number
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDLLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFHLL

Program name/Description	Part number
IBM Bluemix Local System W3500-320 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFTLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MH3LL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LFULL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDPLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFKLL

Program name/Description	Part number
IBM Bluemix Local System W3500 Storage Expansion - Appliance install	
Appliance + Subscription and Support 12 Months	D1LFRLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MH2LL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LFSLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDSLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFNLL

IBM Bluemix Local System W3550 (5725-Z17)

Program name/Description	Part numbers
IBM Bluemix Local System W3550-32 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFMLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MH0LL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LFNLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDTLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFPLL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-64 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFKLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGZLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LFLLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDFLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFBLL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-96 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFGLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGXLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LFHLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LD6LL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MF2LL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-128 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFE LL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGWLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LFFLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LD8LL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MF4LL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-160 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFA LL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGULL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LFBLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDBLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MF7LL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-192 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LF8LL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGTLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LF9LL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDGLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFCLL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-224 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LF2LL

Program name/Description	Part numbers
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGQLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LF3LL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LD9LL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MF5LL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-256 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFCLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGVLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LFDLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LD7LL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MF3LL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-288 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFI LL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGYLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LFJLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDULL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFQLL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-320 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFP LL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MH1LL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LFQ LL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDM LL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFI LL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-352 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFI VLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MH4LL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LFI WLL

Program name/Description	Part numbers
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDNLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFJLL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-384 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LF6LL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGSL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LF7LL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDQLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFLLL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-416 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LEQLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGJLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LERLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LD5LL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MF1LL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-448 - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LFOLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGPLL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LF1LL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LDCLL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MF8LL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-Storage Expansion - Appliance Install	
Appliance + Subscription and Support 12 Months	D1LENLL
Annual Appliance Maintenance + Subscription and Support Renewal	E0MGILL
Appliance Maintenance + Subscription and Support Reinstatement 12 Months	D1LEPLL
Initial Appliance Business Critical Service Upgrade 12 Months	D1LD4LL
Install Subsequent Appliance Business Critical Service Upgrade 12 Months	E0MFOLL

The Bluemix Local System W3500 and W3550 Business Critical Service Upgrade is available in the US and Puerto Rico.

IBM Bluemix Local System W3500 Hard Drive Retention Service Upgrade

Program name/Description	Part number
IBM Bluemix Local System W3500-32 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LEJLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MGFLL
Program name/Description	Part number
IBM Bluemix Local System W3500-64 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LEHLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MGDLL
Program name/Description	Part number
IBM Bluemix Local System W3500-96 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LEDLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MG9LL
Program name/Description	Part number
IBM Bluemix Local System W3500-128 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LEALL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MG6LL
Program name/Description	Part number
IBM Bluemix Local System W3500-160 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LE7LL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MG3LL
Program name/Description	Part number
IBM Bluemix Local System W3500-192 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LEELL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MGALL
Program name/Description	Part number
IBM Bluemix Local System W3500-224 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LECLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MG8LL
Program name/Description	Part number
IBM Bluemix Local System W3500-256 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LE5LL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MG1LL

Program name/Description	Part number
IBM Bluemix Local System W3500-288 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LE8LL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MG4LL
Program name/Description	Part number
IBM Bluemix Local System W3500-320 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LE9LL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MG5LL
Program name/Description	Part number
IBM Bluemix Local System W3500 Storage Expansion - Appliance install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LEBLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MG7LL

IBM Bluemix Local System W3550 Hard Drive Retention Service Upgrade

Program name/Description	Part numbers
IBM Bluemix Local System W3550-32 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LE4LL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MG0LL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-64 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LEFLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MGBLL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-96 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LEGLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MGCLL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-128 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LEKLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MGGLL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-160 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LEILL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MGELL

Program name/Description	Part numbers
IBM Bluemix Local System W3550-192 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LE6LL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MG2LL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-224 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LDZLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MFVLL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-256 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LDVLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MFRLL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-288 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LDXLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MFTLL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-320 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LDYLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MFULL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-352 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LE2LL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MFYLL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-384 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LE1LL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MFXLL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-416 - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LE0LL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MFWLL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-448 - Appliance Install	

Program name/Description	Part numbers
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LDWLL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MFSLL
Program name/Description	Part numbers
IBM Bluemix Local System W3550-Storage Expansion - Appliance Install	
Initial Appliance Hard Drive Retention Service Upgrade 12 Months	D1LE3LL
Subsequent Appliance Hard Drive Retention Upgrade 12 Months	E0MFZLL

The Bluemix Local System W3500 and W3550 Hard Drive Retention Service Upgrade is available in the U.S. and Puerto Rico.

PureStart Services for PureApplication

For ordering information for PureStart Services for PureApplication, refer to Software Announcement [215-316](#), dated August 11, 2015.

Charge metric

Program name	PID	Charge metric
IBM Bluemix Local System W3500	5725-Z16	Appliance Install
IBM Bluemix Local System W3550	5725-Z17	Appliance Install

Appliance Install

Appliance Install is a unit of measure by which the program can be licensed. An Appliance Install is an installed copy of the program that is included on a single unit of supporting hardware. Licensee must obtain an entitlement for each Appliance Install of the program.

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Consult the [IBM Appliance Support Handbook](#) for further details on Appliance Warranty Service Upgrade options.

License Information number

Product name	License number
IBM Bluemix Local System W3500 V2.2.2	L-CTUR-ABEM3A
IBM Bluemix Local System W3550 V2.2.2	L-CTUR-ABEM3A

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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IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Money-back guarantee

No - Not applicable for IBM Bluemix Local System W3500 and W3550

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Volume orders (IVO)

No

Passport Advantage applies

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

Usage restriction

Yes

Bluemix Local System W3500 and W3550 does not include

- WebSphere Application Server
- DB2
- IBM patterns

For additional information, refer to the [License Information document](#).

Appliance Maintenance, Software Subscription and Support applies

Yes.

For additional information on appliance services, consult the [Appliance Services Attachment to Passport Advantage](#) .

Consult the [Appliance Support Handbook](#) for further details on Appliance Warranty Service Upgrade options.

Other support

Appliance support under Passport Advantage

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Not applicable.

Statement of good security practices

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Appliance announcement countries

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Corrections

(Corrected on September 14, 2016)

The Ordering information section is revised.