

OTHER		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PKCS7		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	IDG	IDG-VE			XG45	XG45-VE			XI52	XI52-VE			XB62
TRANSFORM		Developers	Non-Production	Production		Developers	Non-Production	Production		Developers	Non-Production	Production	
JavaScript (GatewayScript Runtime)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
JSONiq	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
XSLT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
XQuery	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Any-to-Any Transformation	Optional (Integration OR B2B Module)	✓	✓	Optional (Integration OR B2B Module)	Optional (DIM Option)	✓	✓	Optional (DIM Option)	✓	✓	✓	✓	✓
	IDG	IDG-VE			XG45	XG45-VE			XI52	XI52-VE			XB62
OPTIONAL MODULES		Developers	Non-Production	Production		Developers	Non-Production	Production		Developers	Non-Production	Production	
Integration	Optional	✓	✓	Optional	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B2B	Optional	✓	✓	Optional	Optional	✓	✓	Optional	Optional	✓	✓	Optional	N/A
ISAM Proxy (ISAM Policy Enforcement Reverse Proxy)	Optional	✓	Optional	Optional	Optional	✓	Optional	Optional	Optional	✓	Optional	Optional	Optional
ISAM Client (formerly Tivoli Access Manager)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Application Optimization (AO)	Optional	✓	✓	Optional	Optional	✓	✓	Optional	Optional	✓	✓	Optional	Optional
Database Connectivity	Optional (Integration OR B2B Module)	✓	✓	Optional (Integration OR B2B Module)	Optional (DIM Option)	✓	✓	Optional (DIM Option)	Optional	✓	✓	Optional	✓
TIBCO EMS	Optional		Optional	Optional					Optional		Optional	Optional	Optional
Data Integration Module (DIM)	N/A	N/A	N/A	N/A	Optional	✓	✓	Optional	N/A	N/A	N/A	N/A	N/A
Hardware Security Module (HSM)	Optional				Optional				Optional				Optional

Note:

- “IDG” stands for **IBM DataPower Gateway**.
- “VE” stands for Virtual Edition.
- “MEIG” stands for IBM Multi-Enterprise Integration Gateway.
- “ISAM” stands for **IBM Security Access Manager**.
- IDG, XG45 and XI52 **VE**, through supported hypervisors, can be deployed on **x86** systems, **IBM PureApplication System x86 nodes**, and **SoftLayer** IaaS bare metal instances.
- “Optional” means the functionality is available as a **separate licensed modules**.
- Integration module**, only available on IDG, provides Any-to-Any Message Transformation, Database Connectivity and IMS connectivity functionality.
- B2B module** provides Any-to-Any Message Transformation, Database Connectivity and B2B integration functionality.
- ISAM module** provides advanced user security enforcement functionality for Mobile and Web workloads.
- Database Connectivity**, provides database connectivity to DB2, IMS DB, Oracle, Sybase, and Microsoft SQL Server.
- Data Integration Module (DIM)**, only available on XG45, bundles Any-to-Any Message Transformation and Database Connectivity functionality. Any-to-Any Transformation is base functionality on XI52, XI52-VE & XB62.
- Hardware Security Module (HSM)** is a FIPS 140-2 Level 3 certified optional **hardware component** available on physical appliances.
- Both physical and virtual appliances support FIPS 140-2 Level 1 mode for the main task with firmware v6.0.1 and above.

IBM DataPower Gateways: **Virtual Edition** Comparison for **v7.1**

(Updated by Arif Siddiqui: Nov 11, 2014)

	Developers Edition (IDG, XG45, & XI52)	Non-Production Edition (IDG, XG45, & XI52)	Production Edition (IDG, XG45, & XI52)
Licensing	<u>Authorized User</u>	<u>Processor Value Unit (PVU)</u>	<u>Processor Value Unit (PVU)</u>
Deployment limitation	Development & Unit Testing On Developer machine (see <u>Developer Limitation</u> in license information)	Non-Production Environments, i.e. any except Production (see <u>Non-Production Limitation</u> in license information)	None
Optional features included in base	IDG: All except TIBCO EMS XG45: All XI52: All except TIBCO EMS	IDG: All except ISAM Proxy & TIBCO EMS XG45: All except ISAM Proxy XI52: All except ISAM Proxy & TIBCO EMS	None (All are licensed separately)
Supported hypervisor	VMware Workstation, Fusion, Player (See <u>product docs</u> for versions)	VMware ESXi & Citrix XenServer (See <u>product docs</u> for versions)	VMware ESXi & Citrix XenServer (See <u>product docs</u> for versions)
Supported firmware	IDG: 7.1.0 & above XG45 & XI52: 7.0.0 & above	IDG: 7.1.0 & above XG45 & XI52: 5.0.0 & above	IDG: 7.1.0 & above XG45 & XI52: 5.0.0 & above
Minimum resource requirements	4 Virtual CPU & 4 GB RAM (See <u>product docs</u> for details)	4 Virtual CPU & 4 GB RAM (See <u>product docs</u> for details)	4 Virtual CPU & 4 GB RAM (See <u>product docs</u> for details)
ILMT required?	No	Yes (per <u>ILMT</u> terms)	Yes (per <u>ILMT</u> terms)

Note:

-- "IDG" stands for **IBM DataPower Gateway**.

-- Non-Production Edition can be used to provide a **multi-user/shared Development** environment, whereas Developer Edition is per Authorized User.

-- When the **Production Edition** is licensed, **separate entitlement is not required for cold or warm** backup or disaster recovery. See details [here](#).

-- Both Non-Production & Production Edition follow IBM **Sub-capacity licensing** terms. See more information [here](#).

-- "ILMT" stands for IBM License Metric Tool. See more information [here](#).

-- **Sample** Developer & Non-Production limitation text from license information. Consult license information of your model and firmware for the limitation:

DEVELOPER LIMITATION

If the Program is designated as for "Developers", the Program can only be deployed as part of Licensee's internal development and unit testing on a developer machine. A developer machine is a physical or virtual desktop environment, running a primary operating system and the Program, both of which are accessible and used by no more than one specified developer. Licensee is not authorized to use the Program for processing production workloads, simulating production workloads or testing scalability of any code, application or system. Licensee is not authorized to use any part of the Program for any other purposes without acquiring the appropriate production entitlements.

NON-PRODUCTION LIMITATION

If the Program is designated as "Non-Production", the Program can only be deployed as part of the Licensee's internal development and test environment for internal non-production activities, including but not limited to testing, performance tuning, fault diagnosis, internal benchmarking, staging, quality assurance activity and/or developing internally used additions or extensions to the Program using published application programming interfaces. Licensee is not authorized to use any part of the Program for any other purposes without acquiring the appropriate production entitlements.

	XG45	XG45-VE			XI52	XI52-VE			XB62
DATA FORMAT		Developers	Non-Production	Production		Developers	Non-Production	Production	
JSON	✓	✓	✓	✓	✓	✓	✓	✓	✓
SOAP	✓	✓	✓	✓	✓	✓	✓	✓	✓
XML	✓	✓	✓	✓	✓	✓	✓	✓	✓
OTHER	✓	✓	✓	✓	✓	✓	✓	✓	✓
PKCS7	Optional (DIM Option)	✓	✓	Optional (DIM Option)	✓	✓	✓	✓	✓
	XG45	XG45-VE			XI52	XI52-VE			XB62
TRANSFORM		Developers	Non-Production	Production		Developers	Non-Production	Production	
JavaScript (GatewayScript Runtime)	✓	✓	✓	✓	✓	✓	✓	✓	✓
JSONiq	✓	✓	✓	✓	✓	✓	✓	✓	✓
XSLT	✓	✓	✓	✓	✓	✓	✓	✓	✓
XQuery	✓	✓	✓	✓	✓	✓	✓	✓	✓
Any-to-Any Transformation	Optional (DIM Option)	✓	✓	Optional (DIM Option)	✓	✓	✓	✓	✓
	XG45	XG45-VE			XI52	XI52-VE			XB62
OPTIONS		Developers	Non-Production	Production		Developers	Non-Production	Production	
IBM Security Access Manager (ISAM) (formerly Tivoli Access Manager)	✓	✓	✓	✓	Optional	✓	✓	Optional	Optional
Application Optimization (AO)	Optional	✓	✓	Optional	Optional	✓	✓	Optional	Optional
Database Connectivity	Optional (DIM Option)	✓	✓	Optional (DIM Option)	Optional	✓	✓	Optional	✓
Hardware Security Module (HSM)	Optional				Optional				Optional
TIBCO EMS					Optional		Optional	Optional	Optional
Data Integration Module (DIM)	Optional	✓	✓	Optional	N/A	N/A	N/A	N/A	N/A

Note:

- "VE" stands for Virtual Edition.
- "MEIG" stands for IBM Multi-Enterprise Integration Gateway.
- XG45 and XI52 **VE**, through supported hypervisors, can be deployed on **x86** systems, **IBM PureApplication System x86 nodes**, and **SoftLayer** IaaS utilizing bare metal instances.
- "**Optional**" means the functionality is available as a **separate licensed feature**.
- **Data Integration Module (DIM)**, only available on XG45, bundles PKCS7, Any-to-Any Transformation, and Database Connectivity functionality. Note that PKCS7 & Any-to-Any Transformation is base functionality on XI52, XI52-VE and XB62 appliances.
- **Hardware Security Module (HSM)** is a FIPS 140-2 Level 3 certified optional **hardware component** available on physical appliances.
- Both physical and virtual appliances support FIPS 140-2 Level 1 mode for the main task with firmware v6.0.1 and above.

IBM DataPower Gateway Appliances: **Virtual Edition Comparison until v7.0**
(Updated by Arif Siddiqui: June 13, 2014)

	Developers Edition (XG45 & XI52)	Non-Production Edition (XG45 & XI52)	Production Edition (XG45 & XI52)
Licensing	<u>Authorized User</u>	<u>Processor Value Unit (PVU)</u>	<u>Processor Value Unit (PVU)</u>
Deployment limitation	Development & Unit Testing On Developer machine (see Developer Limitation in license information)	Non-Production Environments, i.e. any except Production (see Non-Production Limitation in license information)	None
Optional features included in base	XG45: All XI52: All except TIBCO EMS	XG45: All XI52: All except TIBCO EMS	None (All are licensed separately)
Supported hypervisor	VMware Workstation, Fusion, Player (See product docs for versions)	VMware ESXi & Citrix XenServer (See product docs for versions)	VMware ESXi & Citrix XenServer (See product docs for versions)
Supported firmware	7.0.0 & above	5.0.0 & above	5.0.0 & above
Minimum resource requirements	4 Virtual CPU & 4 GB RAM (See product docs for details)	4 Virtual CPU & 4 GB RAM (See product docs for details)	4 Virtual CPU & 4 GB RAM (See product docs for details)
ILMT required?	No	Yes (per ILMT terms)	Yes (per ILMT terms)

Note:

- Non-Production Edition can be used to provide a **multi-user/shared Development** environment, whereas Developer Edition is per Authorized User.
- When the **Production Edition** is licensed, **separate entitlement is not required for cold or warm backup or disaster recovery**. See details [here](#).
- Both Non-Production & Production Edition follow IBM **Sub-capacity licensing** terms. See more information [here](#).
- "ILMT" stands for IBM License Metric Tool. See more information [here](#).
- **Sample** Developer & Non-Production limitation text from license information. Consult [license information](#) of your model and firmware for the limitation:

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NON-PRODUCTION LIMITATION

If the Program is designated as "Non-Production", the Program can only be deployed as part of the Licensee's internal development and test environment for internal non-production activities, including but not limited to testing, performance tuning, fault diagnosis, internal benchmarking, staging, quality assurance activity and/or developing internally used additions or extensions to the Program using published application programming interfaces. Licensee is not authorized to use any part of the Program for any other purposes without acquiring the appropriate production entitlements.