Hardware reference for release 7.2

This information presents the hardware reference needed to use SWIFT applications efficiently and achieve the required performance. We advise you to monitor actual CPU load and memory consumption to confirm that your systems are still adequately sized. New systems acquired today to install the 7.2 release are most likely adequate.

For the disk space requirements, please refer to the Installation guide of the product.

Running Alliance Access on a dedicated system

If you are running Alliance Access on a dedicated system, then use the following system configuration as a reference.

Up to 40 TPS	IBM Power System	Oracle SPARC	Intel Xeon (Linux)	Intel Xeon (Windows)
Processor type	POWER8	SPARC S7	E5 V3 family	E5 V3 family
Number of Core(s)	8	8	16	16
RAM	16 GB	16 GB	16 GB	16 GB

Up to 20 TPS	IBM Power System	Oracle SPARC	Intel Xeon (Linux)	Intel Xeon (Windows)
Processor type	POWER8	SPARC S7	E5 V3 family	E5 V3 family
Number of Core(s)	8	8	16	16
RAM	16 GB	16 GB	16 GB	16 GB

Up to 10 TPS	IBM Power System	Oracle SPARC	Intel Xeon (Linux)	Intel Xeon (Windows)
Processor type	POWER8	SPARC S7	E5 V3 family	E5 V3 family
Number of Core(s)	4	4	8	8
RAM	8 GB	8 GB	8 GB	8 GB

Up to 5 TPS	IBM Power System	Oracle SPARC	Intel Xeon (Linux)	Intel Xeon (Windows)
Processor type	POWER8	SPARC S7	E5 V3 family	E5 V3 family
Number of Core(s)	4	4	8	8
RAM	8 GB	8 GB	8 GB	8 GB

Important note: The above specifications for 40 TPS and 20 TPS are a good indication for what is considered as a system used in "pipe" mode (that is, limited event logging, simple routing, etc.) and tuned for high performance. Your Alliance Access system will require more resources, for example, if you have, very complex routing, hundreds of operators, and many simultaneous message search and reporting activities. Indications for 10 TPS and 5 TPS are given for a system not tuned, using a default system configuration. For higher throughput configurations (for example, more

than 40 TPS or more than 1 million messages per day), we would recommend that you contact SWIFT for a review of your system capacity. Contact your account manager for more information.

Running SWIFTNet Link and Alliance Gateway on a dedicated system

If you are running SWIFTNet Link and Alliance Gateway on a dedicated system, then use the following system configuration as a reference.

Up to 40 TPS	IBM Power System	Oracle SPARC	Intel Xeon (Linux)	Intel Xeon (Windows)
Processor type	POWER8	SPARC S7	E5 V3 family	E5 V3 family
Number of Core(s)	4	4	4	4
RAM	16 GB	16 GB	16 GB	16 GB

Up to 5 TPS	IBM Power System	Oracle SPARC	Intel Xeon (Linux)	Intel Xeon (Windows)
Processor type	POWER8	SPARC S7	E5 V3 family	E5 V3 family
Number of Core(s)	2	2	2	2
RAM	16 GB	16 GB	16 GB	16 GB

Up to 1 TPS	IBM Power System	Oracle SPARC	Intel Xeon (Linux)	Intel Xeon (Windows)
Processor type	POWER8	SPARC S7	E5 V3 family	E5 V3 family
Number of Core(s)	2	2	2	2
RAM	16 GB	16 GB	16 GB	16 GB

Important note: Contact SWIFT if you plan to do more than 40 TPS.

Running Alliance Web Platform Server-Embedded on a dedicated system

If you are running Alliance Web Platform Server-Embedded on a dedicated system, then use the following system configuration as a reference.

Up to 250 concurrent users	IBM Power System	Oracle SPARC	Intel Xeon (Linux)	Intel Xeon (Windows)
Processor type	POWER8	SPARC S7	E5 V3 family	E5 V3 family
Number of Core(s)	4	4	4	4
RAM	8 GB	8 GB	8 GB	8 GB

Important note: This system configuration should allow up to 250 concurrent users to perform usual Message Management activities (Message Creation and Message Approval).
However, the number of connected users and the nature of the operations that these users make simultaneously can have a significant impact on the overall system performance. Therefore, it is highly recommended to test the configuration under typical business conditions and allocate more resources if necessary (Number of cores and/or RAM) or using multiple Alliance Web Platform Server-Embedded instances.

Running software for multiple Alliance products on the same system

If you plan to have software for two or more Alliance products running on the same system with less than 5 TPS and less than 100 concurrent users, then use the following system configuration as a reference.

Up to 5 TPS and up to 100 concurrent users	IBM Power System	Oracle SPARC	Intel Xeon (Linux)	Intel Xeon (Windows)
Processor type	POWER8	SPARC S7	E5 V3 family	E5 V3 family
Number of Core(s)	8	8	12	12
RAM	32 GB	32 GB	32 GB	32 GB