Details (/our-solutions/interfaces-and-integration/release-7_0/details#topic-tabs-menu)

Hardware requirements for release 7.0

This infomation has been updated in May 2014 to better reflect what type of minimum hardware specifications you should use if you plan to replace your SWIFT systems existing hardware. 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 Release 7.0 are most likely appropriate.

The changes put in place from the previous publication are highlighted in bold below.

Click the arrows to expand the table.

1. Running Alliance access on a dedicated system

If you are running Alliance Access on a dedicated system, then the following recommendations apply. To check the actual system resource consumption, please refer to the System Configuration Recommendations and Guidelines (https://www2.swift.com/uhbonline/books/protected/en_uk/aa_7_0_sys_conf_rcmdn_guid/index.htm) document.

Up to 40 TPS	**IBM Power System**	**IBM BladeCenter**	**SUN SPARC**	**Intel Xeon (Linux)**	**Intel Xeon (Windows)**
Processor type Clock speed #Chips #Core(s) per chip #Thread(s) per core RAM Model	POWER 8 3.42 GHz 1 8 4 16 GB IBM Power System S822 (Model 8284-22A)	POWER 7 3 GHz 1 8 4 16 GB IBM BladeCenter PS701 Express	SPARC64-VII 2.4 GHz 4 4 2 16 GB SUN SPARC Enterprise M4000	5000 sequence 3.47 GHz 2 6 2 12 GB X5690 based Server	7000 sequence 2.93 GHz 4 4 1 16 GB X7350 based Server
Up to 20 TPS	**IBM Power System**	**IBM BladeCenter**	**SUN SPARC**	**Intel Xeon (Linux)**	**Intel Xeon (Windows)**
Processor type Clock speed #Chips #Core(s) per chip #Thread(s) per core RAM Model	POWER 8 3.42 GHz 1 8 4 16 GB IBM Power System S822 (Model 8284-22A)	POWER 7 3 GHz 1 8 4 8 GB IBM BladeCenter PS701 Express	SPARC64-VII 2.4 GHz 4 4 2 8 GB SUN SPARC Enterprise M4000	5000 sequence 3.47 GHz 2 6 2 12 GB X5690 based Server	7000 sequence 2.93 GHz 4 4 1 16 GB X7350 based Server
Up to 10 TPS	**IBM Power System**	**IBM BladeCenter**	**SUN SPARC**	**Intel Xeon (Linux)**	**Intel Xeon (Windows)**
Processor type Clock speed #Chips #Core(s) per chip #Thread(s) per core RAM Model	POWER 8 3.42 GHz 1 4 4 8 GB IBM Power System S822 (Model 8284-22A)	POWER 7 3 GHz 1 4 4 8 GB IBM BladeCenter PS701 Express	SPARC64-VII 2.52 GHz 1 4 2 8 GB SUN SPARC Enterprise M3000	5000 sequence 3.47 GHz 2 2 2 12 GB X5690 based Server	5000 sequence 3.33 GHz 2 6 2 8 GB X5680 based Server
Up to 5 TPS	**IBM Power System**	**IBM BladeCenter**	**SUN SPARC**	**Intel Xeon (Linux)**	**Intel Xeon (Windows)**

Processor type Clock speed #Chips #Core(s) per chip #Thread(s) per core RAM Model	POWER 8 3.42 GHz 1 4 4 8 GB IBM Power System S822 (Model 8284-22A)	POWER 7 3 GHz 1 8 4 8 GB IBM BladeCenter PS701 Express	SPARC64-VII 2.52 GHz 1 4 2 8 GB SUN SPARC Enterprise M3000	5000 sequence 3.47 GHz 2 2 2 12 GB X5690 based Server	5000 sequence 3.33 GHz 1 4 2 8 GB E5540 based Server

Important notes:

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 journalisation, simple routing, etc) and tuned for high performance. Your Access system will require more resources in case you have, for example, very complex routing, hundreds of operators and many simultaneous message search/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 (e.g. more than 40 TPS or more than 1 million messages per day), we would recommend that you engage with SWIFT for a review of your capacity. Contact your account manager for more information. Hardware specifications for Sun SPARC Enterprise T5120 and POWER 6 systems has been removed from the list of recommendations, its technology does not make it fit anymore for systems that require any additional tasks than using Alliance Access on a pipe mode (e.g. GUI interactions, complex routing, etc.)

2. Running SWIFTNet Link and Alliance Gateway on a dedicated system

If you are running SWIFTNet Link and Alliance Gateway on a dedicated system, then the following recommendations apply:

Connectivity Pack 4: up to 40 system TPS	**IBM Power System**	**IBM BladeCenter**	**SUN SPARC**	**Intel**
Processor type Clock speed #Chips #Core(s) per chip #Thread(s) per core RAM Model	POWER 8 3.42 GHz 1 4 4 8 GB IBM Power System S822 (Model 8284-22A)	POWER 7 3 GHz 1 8 4 8 GB IBM BladeCenter PS701 Express	UltraSPARC T2 1.2 Ghz 1 4 2 8 GB SUN SPARC Enterprise M3000	Intel 3.3 GHz 1 4 2 8 GB Core i5-660
Connectivity Pack 3: up to 5 system TPS	**IBM Power System**	**IBM BladeCenter**	**SUN SPARC**	**Intel**
Processor type Clock speed #Chips #Core(s) per chip #Thread(s) per core RAM Model	POWER 8 3.42 GHz 1 4 4 8 GB IBM Power System S822 (Model 8284-22A)	POWER 7 3 GHz 1 8 4 8 GB IBM BladeCenter PS701 Express	UltraSPARC T2 1.2 Ghz 1 4 2 8 GB SUN SPARC Enterprise M3000	Intel 3.3 GHz 1 4 2 8 GB Core i5-660
Connectivity Pack 2: up to 1 system TPS	**IBM Power System**	**IBM BladeCenter**	**SUN SPARC**	**Intel**
Processor type Clock speed #Chips #Core(s) per chip #Thread(s) per core RAM Model	POWER 8 3.42 GHz 1 4 4 8 GB IBM Power System S822 (Model 8284-22A)	POWER 7 3 GHz 1 8 4 8 GB IBM BladeCenter PS701 Express	UltraSPARC T2 1.2 Ghz 1 4 2 8 GB SUN SPARC Enterprise M3000	Intel 3.3 GHz 1 4 2 8 GB Core i5-660

Notes:

- Contact SWIFT if you plan to do more than 40 TPS.

3. Running Alliance Web Platform on a dedicated system

If you are running Alliance Web Platform on a dedicated system, then the following minimum recommendations apply:

	IBM Power System	**IBM BladeCenter**	**SUN SPARC**	**Intel Xeon 5000 sequence**
Processor type Clock speed #Chips #Core(s) per chip #Thread(s) per core Required #cores RAM Model	POWER 8 3.42 GHz 1 4 4 1 8 GB IBM Power System S822 (Model 8284-22A)	POWER 7 3 GHz 1 8 4 1 8 GB IBM BladeCenter PS701 Express	UltraSPARC T2 1.4 Ghz 1 4 2 4 8 GB SUN SPARC Enterprise T5120	5000 sequence 2 GHz 1 4 1 4 8 GB E5504

Notes:

- A four threads system should be sufficient to operate Alliance Web Platform with 250 operators connected. However, the overall performance might depend on the nature of the operations made simultaneously by those operators, as certain operations are more CPU intensive than others. It is therefore highly recommended to test the configuration under typically business conditions before deploying the solution in the production environment.
- **Alliance Web Platform using IBM WebSphere Application Server (WAS) will be phased out and it will reach end of support on 31st October 2015. For details please refer to the Release Timeline available on swift.com.**

4. Running multiple Alliance software on the same system

If you run multiple Alliance software (Alliance Gateway, Entry/Access and Web Platform) on the same system:

- For Windows based customers exchanging up to 1,000 messages or files per day, and running all Alliance software (Alliance Gateway, Entry/Access and Web Platform) on a single system, an Intel Xeon quad-core CPU, having a 64 bit-processor, a minimum clock speed of 2.5 GHz and a RAM memory of 16 GB is recommended.
- If you plan to have two or more Alliance software (Alliance Gateway, Entry/Access and Web Platform) combined on one and same UNIX system, at least 16 GB is required.