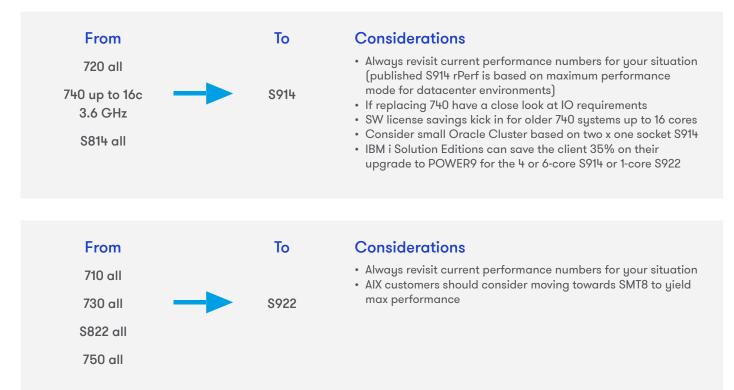SCC

SCC and IBM Power

Why IBM Power?

IBM is introducing new flexible consumption models, cloud capabilities and high-speed features to its Power Systems portfolio, bringing new possibilities to optimize costs and improve business continuity as you look to build a robust and seamless hybrid multicloud architecture.

With these enhancements, you can leverage public cloud flexibility on-prem within your datacenter with unmatched performance and reliability.

Power Systems scale-out servers are being enhanced with a full PCIe Gen4 architecture for improved cloud data locality and latency with up to 180% more enterprise NVMe capacity and 2X the throughout.

These servers can run 3.2X more containers per core than tested x86 servers and get 2.6X better TCO running Red Hat OpenShift. Mission-critical applications will also see a 10% boost in performance with a new processor core count.

In addition, the Power Systems Private Cloud Solution with Shared Utility Capacity is now available on scale-out servers as well. Pay for only what you use with metering by the minute and achieve up to 58% lower TCA versus a static full active server. Get cloud-like economics and billing while keeping data and infrastructure within your data center and firewall.

Migration upgrade roadmap to Power9

Scale Out Migration Scenarios

From	To	Considerations
720 all 740 up to 16c 3.6 GHz S814 all	→ S914	• Always revisit current performance numbers for your situation (published S914 rPerf is based on maximum performance mode for datacenter environments) • If replacing 740 have a close look at IO requirements • SW license savings kick in for older 740 systems up to 16 cores • Consider small Oracle Cluster based on two x one socket S914 • IBM i Solution Editions can save the client 35% on their upgrade to POWER9 for the 4 or 6-core S914 or 1-core S922

From	To	Considerations
710 all 730 all S822 all 750 all	→ S922	• Always revisit current performance numbers for your situation • AIX customers should consider moving towards SMT8 to yield max performance

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All enquiries online@scc.com
Contact our team 0121 766 7000
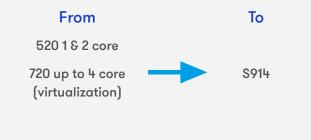Visit scc.com

What's Your Roadmap: POWER9 Migration Scenarios

Scale Out Migration Scenarios

From	To	Considerations
770 up to P7 48c 770 up to P7+ 36c 4,22GHz 770 up to P7+ 48c 3,8 GHz 740 all 750 all S824 all	S924	• PowerVM virtualization is built-in on POWER9 • Consider moving towards SMT8 to yield maximum performance • If memory is needed above 3TB, POWER8 S824 may provide the best value • Oracle SE2 offering is available on 2 socket 12 core compared to POWER8 only 1 socket 12 core maximum (DCM vs SCM)

Scale-Out Small Use Case Scenarios

From	To	Considerations
520 1 & 2 core 720 up to 4 core (virtualization)	S914	• Good for Oracle entry workloads (e.g. SE2) • Due to the new Single Chip Module design, you can populate up to two sockets with up to a total of 24 cores for Oracle SE2 • With two one socket systems (S914) you can build a small RAC cluster • PowerVM is built-in on POWER9 • You can use a temporary license to upgrade from PowerVM Standard to Enterprise and migrate using Live Partition Mobility • Customers who don't need virtualization may also be able to consider the IBM i S922 1-core server

IBM global finance, enable your upgrade by spreading the cost

If you are running POWER8 or an older version you are probably concerned about keeping current, security risks, increased maintenance costs and performance bottlenecks. SCC and IBM understand that addressing these concerns without disrupting your IT budget is a considerable challenge.

IBM has a new flexible trade-up offer that will allow you to move off your older POWER server to a POWER9 with a simplified path to POWER10.

We understand that addressing these concerns without disrupting your IT budget is a considerable challenge. Now, IBM has a new flexible trade-up offer that will allow you to move off your older POWER server to a POWER9 with a simplified path to POWER10.

You pay a single monthly payment, and after 33 months, you can trade up to POWER10 and continue to pay the same monthly price, including warranty. It will save you up to 23% over purchasing, allow you to benefit from up to 42% POWER10 performance improvement, and We will give you 3 months transition period with both POWER9 and POWER10 on your floor – but with one monthly payment yet.

It's flexible too. Your technology needs may change, but you are not locked in. You can decide to take a bigger or smaller POWER10 box, and we will adjust the monthly payments accordingly. If you decide you don't want POWER10 yet, you can delay until you are ready. Or hand back POWER9 and walk away.

IBM Power Case Studies:
https://www.ibm.com/partnerworld/systems/power

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