# Side-by-Side Software Migration Policy for IBM Power® Software

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# Side-by-Side Migration Policy for IBM Power servers with Power10 technology-based processors

**Temporary Use Policy for Power Software**

**The following applies to purchase of an IBM Power E1180, IBM Power E1150, IBM Power E1080, IBM Power E1050, or IBM Power S1024 (medium category and P30 Software tier):**

IBM authorizes its clients, for non-production temporary use of up to 90 days, for IBM Power Programs which have the International Program License Agreement ("IPLA") as the base license agreement and which are properly licensed and compliantly used by the clients, without additional charge for the system-to-system (replacement) migrations when purchasing an IBM Power E1180, IBM Power E1150, IBM Power E1080, IBM Power E1050, or IBM Power S1024 medium category (for the AIX portfolio) and P30 Software Tier category (for the IBM i portfolio). Approval is not needed for the 90-day concurrent use if the client complies to this policy.

*Refer to the Q&A section regarding considerations migrations with Power Private Cloud (Enterprise Pools 2.0) environments.*

# Side-by-Side Migration Policy for IBM Power Software

**The following applies to purchase of Power machines which support IBM i in the P05, P10, and P20 software tiers, or AIX in the small category, which are IBM Power S1122, IBM Power S1022 (P10 tier), IBM Power S1014 (P05 and P10 tier), IBM Power S1124 (P20 tier or small), or IBM Power S1024 (P20 tier or small)**

IBM authorizes its clients, for non-production temporary use of up to 30 days, for IBM Power Programs which have the International Program License Agreement ("IPLA") as the base license agreement and which are properly licensed and compliantly used by the clients, without additional charge for the system-to-system (replacement) migrations when purchasing an IBM Power S1122, IBM Power S1022, IBM Power S1014, IBM Power S1124 small category for the AIX Portfolio and P20 software tier category for the IBM i portfolio, or IBM Power S1024 small category for the AIX portfolio and P20 software tier category for the IBM i portfolio.

# Side-by-Side Migration Policy for IBM Power servers with Power11 technology-based processors

Migration policy when purchasing new Power11 E1180 server

- E1180
  - Use [RPQ 8A2916](RPQ 8A2916) 90-Day Side-by-side Migration

# Q&A

Q:  When does the 30-day or 90-day migration period begin?

A:  As follows:

- When transferring IBM i or AIX entitlements to a new target machine, the migration period begins when an IPL of IBM i or AIX is performed for the first time in any partition on the new machine.

- When transferring IBM i or AIX entitlements to an existing target machine, the migration period begins as soon as you begin migrating IBM i or AIX workload from the donor machine to the target machine.  Any testing on the target machine prior to actual workload movement counts as migration activities included in the migration period.

Q:  Is IBM i supported on the Power E1050?

A:  No.  For a list of Power machines which support IBM i, refer to [System to IBM i Mapping](System to IBM i Mapping).

Q:  Do I need temporary IBM i keys for one of the machines for the migration period?

A:  No. IBM does not issue temp keys for the 90-day concurrent use of software.  ***Refer to the last page "IBM i Side-by-side Migration Steps".***

# Side-by-Side Migration Policy for IBM Power Software

Q: What about side-by-side migrations with Power Private Cloud (Enterprise Pools (EP) 2.0) configurations?

A: Note that there are no Capacity Credits for AIX or IBM i issued for the side-by-side migration policy for machine replacements to Power10 hardware. However, there are adjustments made for IBM i Base Capacity in some scenarios as described below.

- For AIX, the entitlements will show and count as Base Capacity either on the donor or the target: IBM's records will show AIX entitlement depending on the transfer action taken.
- For IBM i, here are scenarios for IBM i migrations in EP 2.0:

   **Scenario 1)** If HW1 (donor) and HW2 (target) are in the same pool:
   - HW1 (donor): parked target licenses show as Software Base Capacity ("SW Base") on donor until activation on target
   - HW2 (target): parked licenses do not show as SW Base until activated (Upon activation, it's a switch to the target; no change in total SW Base.)

   **Scenario 2)** If HW1 (donor) and HW2 (target) are in different pools:
   - HW1 (donor): parked licenses show as SW Base on donor until activation on target
   - HW2 (target): parked licenses show as SW Base on target for 180 days (9080-HEU, 9080-HEX and 9080-M9S) or 60 days (P10 or P20 software tier, and S1124 (9824-42A) and S1024 (9105-42A) at P30 tier ) after the HW install date in IBM's records (expiration date will show in [Entitled Systems Support](#) (ESS))

   **Scenario 3)** If HW1 (donor) is not in the pool and HW2 (target) is in the pool - same as scenario 2 for HW2 (target):
   - HW1 (donor): nothing to do with pools, no impact
   - HW2 (target): parked licenses show as SW Base on target for 180 days (9080-HEU, 9080-HEX and 9080-M9S) or 60 days (P10 or P20 software tier and S1124 (9824-42A) and S1024 (9105-42A) at P30 tier ) after HW install date in IBM's records (expiration date will show in ESS)

   **Scenario 4)** If HW1 (donor) is in the pool and HW2 (target) is not in the pool - same as scenario 2 for HW1 (donor):
   - HW1 (donor): parked licenses show as SW Base until activation on target
   - HW2 (target): nothing to do with pools, no impact

# Software Migration Steps for IBM i

## IBM i Side-by-side Migration Steps

The following are typical side-by-side migration steps.  **Note that these steps are not meant for machines which are configured in an Enterprise Pools 2.0 environment.**

- If the client is transferring all IBM i entitlement from the donor machines, once the transfer order is fulfilled in IBM's records, as standard practice with IBM i transfer, the Key Center issues a temp key for reducing the processor quantity which expires in 60 days.   The client does not need this key at all until the migration is complete.  Once migration is complete, enter the reduced quantity key which validates there is no longer any workload on the donor, and the validation of the reduced quantity key is sent to the Key Center.  Therefore, when migration is complete and the client is ready, if the original 60-day temporary key expired, the client (or partner or someone authorized on the client's behalf), can ask the Key Center for a new temporary key to replace the original temporary key.

- One of the typical methods for migration would be as follows:
  - The Licensed Program Products (LPPs) for IBM i and the IBM i optional features (collectively called "LPPs") can be transferred either via the config order or via [Entitled Systems Support (ESS) portal](#).
    - On the donor:  the client keeps the LPP keys during migration.  Once done with migration, delete the LPPs and the keys from the donor.
    - On the target, the LPP keys are available in the ESS portal on the target Serial Number…
      - If the LPPs are transferred via ESS, the keys will be available in the ESS portal moments after transfer.
      - If the LPPs are part of the transfer order configuration, the keys are available on the target when the transfer order ships.
  - On the donor: there is still the IBM i OS per processor key 5770-SS1 5051 (along with the base key 5770-SS1 5050).
  - On the target:
    - The IBM i base feature (5770-SS1 5050) permanent key is available on the ESS portal when the transfer order ships. (Without the 5770-SS1 5050 key, the system will not IPL after 70 days.)
    - The IBM i processor feature (5770-SS1 5051) will be parked until the transfer order steps are complete ([IBM i Entitlement Transfer Guide](#)).  When the transfer order is shipped, the client will have permanent keys for 5770-SS1 5050 (which means the machine will IPL just fine).  Therefore, on the target, use the 70-day grace period on IBM i processor entitlements.  If at the end of 70 days the migration is not yet complete, and the IBM i entitlement is still in parked status on the target, the client will get out-of-compliance messages until IBM i is unparked and permanent keys are applied.  Because IBM has authorized a 90-day concurrent use of software, the client can ignore the out-of-compliance messages until the migration is complete, up to 90 days from the start of the migration period (refer to the information above for when the 90 days start).
  - Then as mentioned above, once migration is complete, if the original donor reduced quantity temporary key is expired, request a new reduced quantity key for the donor (from the Key Center at WWSWKEYS@dk.ibm.com), apply it, and send proof to the Key Center.  The Key Center will unpark the IBM i entitlements on the target and permanent keys are created.