CBU for i with PowerHA for i Proof of Concept

IBM

Description:
When running a workload in a Capacity Backup (CBU) for i environment, if the number of processors used by IBM i exceeds the usage limit on the IBM i per processor license key (5770-SS1 feature 5051), then CPF9E7F ("Out of compliance") messages are sent. The CBU for i requires a minimum of one IBM i processor entitlement, but when using CBU for i, more cores can be used for IBM i than the keyed usage limit. Currently, the CBU for i terms allow CBU clients to ignore these messages, however this PTF provides a potential solution when PowerHA for i is being used on the CBU, whereby the out-of-compliance messages are suppressed.

One solution that is available as proof of concept for IBM i 7.2 and later:
When temporary keys are issued for CBU systems, a special PowerHA for i (5770-HAS) license key can be obtained for the PowerHA for i per-processor features for which the client is entitled on the CBU. When this key is installed, IBM i will detect it and will suppress the CPF9E7F messages. Both the PTF (for IBM i 7.2 and 7.3; no PTF needed for IBM i 7.4) and special key are necessary to suppress these messages. This PTF will have no effect on non-CBU systems.

Steps:
1. If you do not have temporary keys for qualifying LPPs yet for the CBU, request the temporary keys via the standard process using the Request for Designation of Primary and Backup Machine Pairing. If you already have temporary keys for LPPs on the CBU, go to step 2.

2. For the PowerHA on CBU special support, installed the required PTF for IBM i:
    5770-SS1 7.2: SI65690 or later
    5770-SS1 7.3: SI68610 or later

    For 5770-SS1 7.4: support is included in the base operating system.

3. PowerHA for i entitlements must be acquired on the CBU for i and the production system per standard PowerHA for i licensing requirements.

4. At least one of the PowerHA for i per processor features must be installed on the CBU for i:
  5770-HAS 5051, 5052, or 5053.

5. The special 5770-HAS license key must be installed which is acquired from Linda Hirsch at LLHIRSCH@us.ibm.com.   (The rest of the temporary keys for LPPs are acquired from the Key Center as specified in Step 1.)

The CBU for i offering terms and conditions are in effect.

Contact Linda Hirsch at LLHIRSCH@us.ibm.com and Steven Finnes at FINNES@us.ibm.com to acquire the 5770-HAS license key in order to try a proof of concept of this function.