

The dynamic activation will be similar to existing remote dynamic activate on a server supporting z/OS LPARs but for hardware only changes.

You can find more details showing how to implement this new support in 5.5.2, “Dynamic I/O config for standalone CF” on page 115.

9.7.3 Solution provided

With z14 GA2 and z15, dynamic activation of a new or changed IODF on a standalone CF CPC is supported:

- Without requiring a POR/IML.
- Without requiring the presence (on the same CPC) of any z/OS or z/VM image running an HCD instance.

This is a base PR/SM solution; it does not require the use of Dynamic Partition Manager (DPM) mode. A new MCS LPAR (hidden, non-customer LPAR) is used, which is a firmware based appliance version of the HCD instance.

- The MCS LPAR is a firmware LPAR.
- Fully managed by the IBM Z firmware.
- Included with the base firmware (no need to order a feature code).

There will be a need to do a Power-on Reset with an IOCDS that includes and establishes the MCS LPAR on the standalone CF CPC before this new capability can be used. Once this “last” POR is done on the standalone CF CPC, then all subsequent I/O changes can be done dynamically.

The MCS HCD appliance LPAR on a z14 GA2 and z15 system will be driven by an updated HCD/HCM running in z/OS LPAR on a remote IBM Z (Driver Level 35 or newer) system as shown on Figure 9-20.

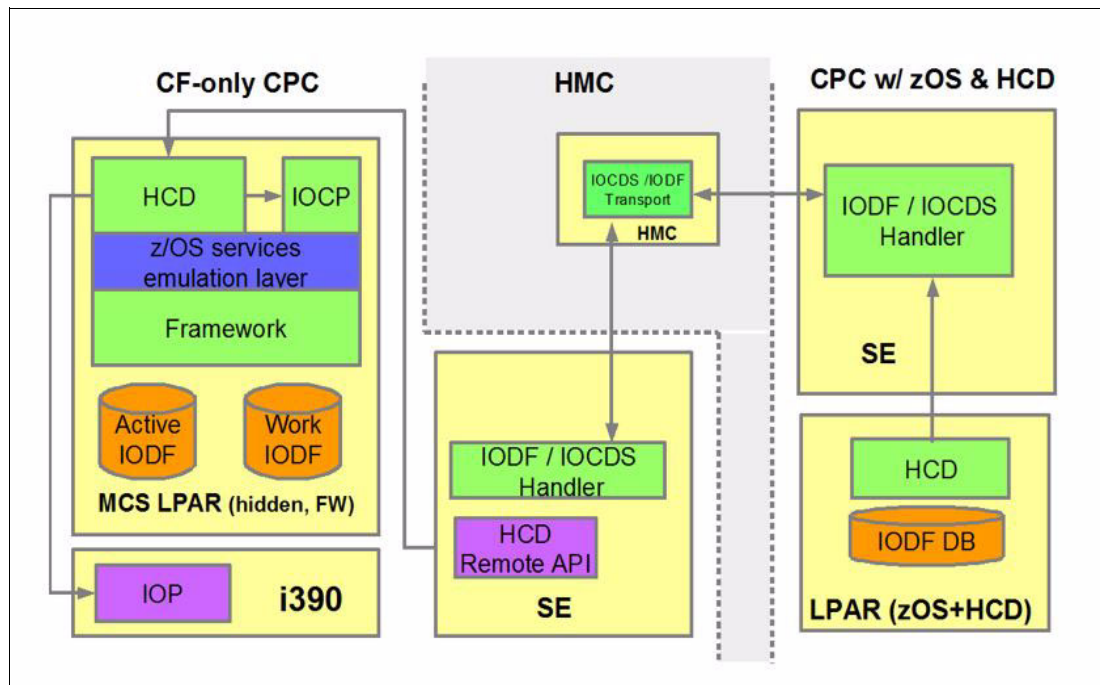


Figure 9-20 Dynamic I/O for a Standalone CF