

GDPS V3.9 Enhancements

Simplified systems management with:

- **GDPS/PPRC, GDPS/XRC, and GDPS/GM Load/Reset NoClear option**
This support, available via panels, GUI, or scripts, is extended to allow specification of the NOCLEAR option if desired and to accommodate operational procedures of clients that require use of the NOCLEAR option without the need for manually performing such actions at the Hardware Management Console (HMC), outside of GDPS control.
 - **GDPS/PPRC alternate SYSRES support**
GDPS adds new function and automation facilities in support of client environments with multiple, alternate IPL devices, greatly simplifying GDPS operations.
 - **GDPS/XRC Query Services**
GDPS Query Services allows user-written REXX programs to query the value of key GDPS internal data on various aspects of the GDPS environment, such as the remote copy configuration, system information, and so on. Using this data, you can extend and augment GDPS automation with your own automation.
 - **GDPS/GM enhanced, "intelligent" INITIALIZE and CLEANUP script statements**
The INITIALIZE and CLEANUP script statements can now be executed when the GM environment is already partially constructed or partially cleaned up, eliminating operator actions to restore the GM environment to an initial state.
 - **GDPS/XRC site switch and return home**
GDPS provides new function and defines a standard process to facilitate switching systems between two XRC locations. This support can be used for planned "toggle" of systems between the locations or can be used to "return home" after a recovery in the remote location. This support eliminates the need for you to develop and maintain your own automation and procedures.
 - **GDPS/PPRC and GDPS/PPRC HyperSwap Manager new messages to designate start/end of key activities**
A number of new messages have been added to GDPS/PPRC and GDPS/HM to facilitate better problem determination as well as to allow add-on user automation based on these messages.
 - **GDPS/PPRC extended status information on the Standard Actions panel**
The GDPS Standard Actions panel is extended to provide additional status information for the GDPS systems. Information previously available on individual systems and viewable only by logging on to every single system in a GDPS complex is now available via a single consolidated view, greatly enhancing problem determination activities.
- Availability improvements
- **Improved HyperSwap availability by using dedicated XCF buffers for Controlling System and production system communication**
HyperSwap resilience is improved by using dedicated XCF buffers for communication between the Master GDPS Controlling System and production systems when coordinating HyperSwap actions. The new support is available in GDPS/PPRC and GDPS/PPRC HyperSwap Manager.

- GDPS/PPRC and GDPS/PPRC HyperSwap Manager Health Check extensions
New Health Checks enhance your ability to ensure that your environment complies with GDPS best practices recommendations.
- CBU/OOCoD CEC awareness and CBU multiple LIC record support
GDPS already supports activation of a specific OOCoD LIC record but only supports activation of the "default" CBU record. GDPS V3.9 provides the ability to activate a specific LIC record for CBU without requiring operator intervention at the HMC to mark the desired LIC record as being the default.
- GDPS/XRC consistent FlashCopy
GDPS protects against accidental overlay of a "good" FlashCopy, representing a valid recovery point, with an inconsistent, "bad" FlashCopy that does not represent a valid recovery point. This capability helps to protect your recovery position with tertiary devices.
- GDPS/PPRC LPAR/CEC awareness for xDR native Linux on System z systems
This support is now extended to xDR Linux on System z systems running native in an LPAR. CEC/LPAR awareness avoids accidental reset of an incorrect partition, thereby providing increased reliability for the GDPS environment.
- GDPS/PPRC xDR support for two z/VM proxies and automatic proxy switching
GDPS improves HyperSwap resiliency for xDR-managed z/VM systems by supporting two proxy guests. This ensures that the Master Proxy will not be impacted and can carry out the necessary actions to complete a HyperSwap in the event of any primary disk failure.
- GDPS/PPRC xDR toleration support for z/VM V6.2 Single System Image (SSI) clusters
z/VM V6.2 provides new support for Single System Image (SSI) clusters to allow clustering of z/VM system images. This enables enhanced data sharing between z/VM systems that are members of an SSI cluster as well as other clustering capabilities. GDPS Multiplatform Resilience for System z (also known as xDR) provides new support for IPLing of z/VM systems that share a common configuration file as members of an SSI cluster.