IBM extends its z Systems Parallel Sysplex leadership with Asynchronous CF Duplexing for Lock Structures

**Table of contents**

1 Key prerequisites
2 Planned availability date
3 Technical information
4 Terms and conditions
4 Prices

**At a glance**

Today's announcement extends z Systems™ Parallel Sysplex™ leadership:

- **Asynchronous CF Duplexing for Lock Structures** is designed to be a continuously available solution that:
  - Makes duplexing Coupling Facility (CF) lock structures more practical, even at extended distances
  - Provides performance advantages for duplexing lock structures

**Key prerequisites**

Refer to the Software requirements section of this announcement.

**Planned availability date**

October 28, 2016:

- Asynchronous CF Duplexing for Lock Structures

**Description**

Today's announcement extends z Systems Parallel Sysplex leadership:

**Asynchronous CF Duplexing for Lock Structures**

Asynchronous CF Duplexing for Lock Structures is designed to be a continuously available solution that:

- Makes duplexing Coupling Facility (CF) lock structures more practical, even at extended distances
- Provides performance advantages for duplexing lock structures

Asynchronous CF Duplexing is designed to improve the performance of the duplexing of lock structures by reducing the overhead costs associated with the synchronous duplexing of lock structures while maintaining the robust failure recovery capability inherent in the redundancy of duplexing.
With Asynchronous CF Duplexing, secondary CF lock structure updates are performed asynchronously with respect to primary updates in order to drive out cross-CF latencies that exist today. This is intended to avoid the need for synchronous communication delays during the processing of every duplexed update operation.

Asynchronous CF Duplexing for Lock Structures is planned to be generally available on IBM z13™, IBM® z13s, and later z Systems generations on October 28, 2016. It requires CFCC Level 21 with service level 02.16, z/OS® V2.2 SPE with PTFs for APARs OA47796 and OA49148, CF to CF connectivity via coupling links, and exploitation. Asynchronous CF Duplexing for Lock Structures is designed to be a general-purpose interface for any transactional CF lock structure exploiters. DB2® V12 is the first exploiter.

**Note:** Any distance latencies associated with the round trip to and from the primary lock structure are not avoided by this support. That is unavoidable distance latency. This support is designed to avoid the additional latencies associated with the duplexing protocol itself.

Refer to the Driver 27 Customer Exception Letter for MCL bundle, PSP bucket, and latest service levels for any CFCC firmware updates.

Refer to the Software requirements section.

For more information regarding the z/OS V2.2 update, refer to Software Announcement 216-392, dated October 4, 2016.

For more information regarding DB2 V12, refer to Software Announcements 216-378, dated October 4, 2016, and 216-077, dated October 4, 2016.

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If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld ID and password are required (use IBMid).

BP Attachment for Announcement Letter 116-093

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**Technical information**

**Specified operating environment**

**Software requirements**

Asynchronous CF Duplexing for Lock Structures requires at a minimum:

- z/OS(R) V2.2 with PTFs for APARs OA47796 and OA49148
- z/VM(R) V6.4 with PTFs for z/OS exploitation of the guest coupling environment
- Exploitation
  - DB2(R) V12 with PTFs for APAR PI66689
  - IRLM 2.3 with PTFs for APAR PI68378

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No

**Field installable feature**

Yes

**Warranty period**

One year

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**Customer setup**

No

**Machine code**

Same license terms and conditions as base machine

**Optional features warranty period**

One year

## Prices

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