

BMC Delta Products

Implement changes with integrity while ensuring availability

PRODUCT DESCRIPTION

BMC Delta products for IMS simplify IMS change management, ensure integrity, and ensure availability through dynamic changes, coordinated changes, resource analysis, and virtual device definition.

- Delta Plus enables updates to multiple systems with a single request, eliminates IMSGENs for implementing the changes, and ensures system integrity through coordinated changes.
- Delta Plus for DBCTL extends Delta Plus functionality to IBM® CICS® users.
- Delta Plus Virtual Terminal product simplifies the management of IMS virtual devices, including automatic device signoff or logoff, dequeue of messages, and exit of conversations.

BUSINESS CHALLENGE

Data sharing and sysplex environments are complex, and operations and applications can be defined in multiple IMS systems. Keeping those interdependent definitions synchronized is critical, but it can be problematic. Digital business demands new applications, but implementing resource definition changes traditionally requires an outage – something that you cannot afford in our 24x7 world. You need a way to implement changes, ensure that all related changes are made, and do it without an outage.

BMC SOLUTION

Delta Plus products make it easy to implement changes with integrity and keep systems available around the clock. The products alleviate the problems inherent with IMS Online Change (OLC) where more than one copy of an IMS system must be maintained in a data-sharing, shared queues environment. The products use the cross-system coupling facility (XCF) for communication between BMC XLINK and IMS control regions and coordinate changes across a group of IMS systems.

KEY FEATURES

- Manages the complexity of IMS or DBCTL environments by allowing updates to multiple systems with a single request and ensures system integrity through coordinated changes
- Improves availability by enabling you to add databases, programs, transactions and route codes without an IMSGEN
- Streamlines the DBCTL learning curve for CICS system programmers, because DBCTL systems can be configured without an IMSGEN
- Provides information about the relationships between IMS resources
- Provides the ability to view statistics about virtual devices

KEY BENEFITS

- Improves availability and prevents costly errors by providing interactive analysis of the impact of a system resource definition change
- Eliminates IMS downtime and improves system programmer productivity by dynamically changing system resource definitions—eliminating IMSGENS
- Allows manipulation of virtual device definitions



Dynamic changes



Coordinated changes



Change management



Resource analysis



Virtual device definition



Delta Products (Delta Plus, Delta Plus for DBCTL, and Delta Plus Virtual Terminal) provide functional capabilities in the five key areas

PRODUCT DETAILS

Coordinated changes: Delta products enable you to implement a group of dependent resource definition changes as a single unit of work. Changes are grouped into a single Delta list to ensure that all changes in the can complete successfully on the specified IMS system; if all changes cannot be completed successfully, none of the changes will be performed.

Delta products synchronize changes across user-defined groups of multiple IMS systems, regardless of whether you are implementing a single resource definition change or group of dependent changes. If an IMS system is unavailable when the resource definition changes are implemented, the changes will be made to the system when it is restarted. This guarantees system integrity by ensuring that the systems never have inconsistent resource definitions.

Change management: Delta products simplify change management and ensure system integrity by:

- Providing an audit trail of resource definition changes so that you can always see who made the changes
- Recording all resource definition updates made to the IMS control region in the Delta Plus log for an automatic, optimized IMS restart
- Making it easy to create and maintain Delta lists
- Providing a central point for issuing IMS commands to multiple IMS systems and receiving output from those commands. If a system resource is defined in multiple IMS systems, a single command will show its status in each system.

IMS resource analysis: Delta products make it easy for the next generation of system programmers to understand the IMS environment. The products provide information about the defined relationships between IMS resources (XREF feature) and keep this information current and available through online displays and batch reports. This enables you to keep an inventory of your IMS environment and the relationships between the IMS resource definitions. For example, the XREF feature shows which programs and transactions may be affected if a change is made to a database resource definition. This reduces diagnostic and recovery time.

The Compare utilities enable you to keep multiple IMS systems synchronized by automatically generating Delta list elements that should be executed to keep systems in sync.

Virtual device definition: Delta Plus Virtual Terminal eliminates MSGENs for 3270, SLUP and SLU2 terminals, local and remote LTERMs, and SLU1 and 328x printers. It automatically defines virtual printers to IMS when output is available for eligible 328x or SLU1 printers. Administrative features - including automatic device signoff or logoff, automatic de-queue of messages, and automatic exit of conversations - enable you to manage your IMS virtual devices.



FOR MORE INFORMATION

To learn more, please visit bmc.com/ims.

About BMC

BMC delivers software, services, and expertise to help more than 10,000 customers, including 92% of the Forbes Global 100, meet escalating digital demands and maximize IT innovation. From mainframe to mobile to multi-cloud and beyond, our solutions empower enterprises of every size and industry to run and reinvent their businesses with efficiency, security, and momentum for the future.

BMC – Run and Reinvent

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