z/OS V2.5 IBM Education Assistant

Solution Name: Enhance the binder API PUTD to update parts

Solution Element(s): Binder

Agenda

- Trademarks

- Objectives

- Overview

- Usage & Invocation

- Interactions & Dependencies

- Upgrade & Coexistence Considerations

- Installation & Configuration

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Trademarks

- See url http://www.ibm.com/legal/copytrade.shtml for a list of trademarks.
- Additional Trademarks:
  - None

Objectives

- Explain the new function being delivered for z/OS V2.5 Program Management Binder

Overview

- ## Who (Audience)
  - Application programmers that calls the binder API.

- ## What (Solution)
  - New support has been provided to enable binder API caller to update initial value of parts with INTENT=BIND.

- ## Wow (Benefit / Value, Need Addressed)
  - **Issue:** This feature is required by the COBOL automatic binary optimizer (ABO) team. After a COBOL binary program has been optimized, some initial values (such as addresses of variables) need to be updated. Currently there are two problems: (1). If ABO calls the binder API with INTENT=ACCESS, initial values might be updated. However, these updates will be lost if the optimized program is relinked again. (2). If ABO calls the binder API with INTENT=BIND, the binder ABENDs when its tries to update initial values.
  - **Benefit:** Enable binder API caller to update initial value of parts.

Usage & Invocation

Example for Enhance Binder PUTD API to update parts

```
char *className = "B_PARTINIT";
char *csectName = "YEAR";
/* parms for __iew_openW() */
char *parms="MAP,LIST=ALL,CALLERID=NFROLLBK";
apiCnxt = __iew_openW(_IEW_TARGET_RELEASE, _IEW_BIND,
    files_list, NULL,
    parms,
    &rc,&reason);
…
__iew_includeName();
__iew_bindW();
__iew_getD();
…
rc = __iew_putD(apiCnxt, className, csectName, (void **) &buf,buf_size, 0, apiflags);
```

Interactions & Dependencies

- Software Dependencies
    - None.

- Hardware Dependencies
    - None.

- Exploiters
    - COBOL automatic binary optimizer (ABO)

Upgrade & Coexistence Considerations

- N/A

Installation & Configuration

- N/A

Summary

- Enable binder API caller to update initial value of parts.

Appendix

- N/A