

# **z/OS V2.5 IBM Education Assistant**

Solution Name: Enhance Binder API to delete an element

Solution Element(s): Binder



# Agenda

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- Trademarks
- Objectives
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- Upgrade & Coexistence Considerations
- Installation & Configuration
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# Trademarks

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

# Objectives

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

# Overview

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- Who (Audience)
  - Application programmers that calls the binder API.
- What (Solution)
  - 1. A new alter type `_IEW_ALT_PURGEP` is added to Binder API `__iew_alterW()` to permanently delete a TEXT/RLD element.
  - 2. A new alter type `_IEW_ALT_PURGET` is added to Binder API `__iew_alterW()` to temporarily delete a TEXT/RLD element.
  - 3. A new Binder API `__iew_putD2()` is added to recreate the TEXT element which is temporarily deleted by `AlterW`.
- Wow (Benefit / Value, Need Addressed)
  - **Issue:** These features are required by the COBOL automatic binary optimizer (ABO) team. After a COBOL binary program has been optimized, the optimized TEXT section will be smaller than the original section. As currently binder doesn't provide a method to shrink an element, Some texts elements can not be shrunk so storage space and disk space are wasted.
  - **Benefit:** Enable binder API caller to shrink or delete TEXT/RLD elements.

# Usage & Invocation(1 of 3)

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Example for calling binder API to permanently delete an element

```
rc = __iew_alterW(  
    apiCnxt,  
    _IEW_ALT_PURGE,  
    _IEW_ALT_IMMED,  
    "CSECT1",  
    NULL,  
    NULL,  
    "B_TEXT") ;
```

# Usage & Invocation(2 of 3)

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Example for calling binder API to temporarily delete a TEXT element which section name is CSECT1 and class name is B\_TEXT

```
rc = __iew_alterW(  
    apiCnxt,  
    __IEW_ALT_PURGET,  
    __IEW_ALT_IMMED,  
    "CSECT1",  
    NULL,  
    NULL,  
    "B_TEXT");
```

# Usage & Invocation(3 of 3)

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Example for calling binder API PUTD2 to restore a TEXT element

```
rc = __iew_putD2(apiCnxt,  
                className,  
                sectionName,  
                (void **) &__data_entry,  
                inputLen,  
                position,  
                PUTD2_TEXT_CREATE,  
                apiflags);
```



# Interactions & Dependencies

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- Software Dependencies
  - None.
- Hardware Dependencies
  - None.
- Exploiters
  - COBOL automatic binary optimizer (ABO)

# Upgrade & Coexistence Considerations

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- N/A

# Installation & Configuration

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- N/A

# Summary

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- Enable binder API caller to shrink or delete TEXT/RLD elements.

# Appendix

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- N/A