

5. December 2024

abap
conf2024

2025+

```
DATA(ls_struct) = ...  
ASSERT ls_struct IS NOT INITIAL.  
get_sadl( IMPORTING es_sadl = DATA(es_sadl) )  
DELETE ls_sadl-attributes USING KEY structure_id WHERE structure_id = ls_struct->id.  
  
LOOP AT lt_property_binding ASSIGNING <ls_property_binding> WHERE property_binding_id NOT INITIAL.  
  ls_attribute = VALUE #( |<ls_struct->name| |<ls_struct->id| |<ls_struct->id| )  
  name = <ls_struct->name  
  binding = <ls_struct->binding  
  structure_id = <ls_struct->id  
  
  IF <ls_property_binding>-is_key = abap_true.  
    ls_attribute-is_key = if_sadl_type-ot_is_key_true.  
  ENDIF.  
  INSERT ls_attribute INTO TABLE ls_sadl-attributes.  
ENDLOOP.
```

**In the year 2025, if ABAP is still alive
ABAP goes on just like before
ABAP goes on, it never ends
AI brings better code**

```
DATA(ls_structure) = get_structured( ls_entity get )
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING es_sadl = DATA(ls_sadl)
          EXPORTING ls_structure = ls_structure )
DELETE ls_sadl-attributes USING KEY structure.

LOOP AT lt_property_binding ASSIGNING ls_property_binding WITH PROPERTY BOUNDING (ls_sadl-attributes)
  ls_attribute = VALUE #( |<ls_property_binding>|
    name      = <ls_property_binding>-name
    binding    = <ls_property_binding>-binding
    structure_id = <ls_property_binding>-structure_id )
  IF <ls_property_binding>-is_key = abap_true
    ls_attribute-is_key = if_sadl_type( not ls_attribute-is_key )
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```

Today

~100 attendees on-site
~1,500 registrations

```
DATA(ls_structure) = get_structured( ls_entity_get ls_
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING es_sadl = DATA(ls_sadl) ).
DELETE ls_sadl-attributes USING KEY structure IF WERE structure IS NOT INITIAL.
```

```
LOOP AT lt_property_binding ASSIGNING ls_property_binding WITH PROPERTY BOUNDING 2 NOT INITIAL.
  ls_attribute = VALUE #( ls_
    name = ls_property_binding-name
    binding = ls_property_binding-binding
    structure_id = ls_structure-id ).
  IF <ls_property_binding>-is_key = abap_true.
    ls_attribute-is_key = if_sadl_type=not_is_key_true.
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```

ABAPConf Europe 2024

- 350 attendees

- Live views: ~ 300 people

ABAPConf 2021 - 2024

100+k views

33k hours of content consumed

Registrations (online) 8,000+

```
DATA(ls_structure) = get_structured( ls_entity_per ).
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING es_sadl = DATA(ls_sadl) ).
DELETE ls_sadl-attributes USING KEY structure.
LOOP AT ls_sadl-attributes.
    name
    binding
    structure_id = ls_structure-id.
    IF <ls_property_binding>-is_key = abap_true.
        ls_attribute-is_key = if_sadl_type( not_is_key_true ).
    ENDIF.
    INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```

ABAPConf 2021 - 2024

People reached

33,000

```
DATA(ls_structure) = get_structured_ls_entity_per_ls.  
ASSERT ls_structure IS NOT INITIAL.  
get_sadl( IMPORTING es_sadl = DATA(ls_sadl) ).  
DELETE ls_sadl-attributes USING KEY structure_id WHERE structure_id = ls_structure-id.  
  
LOOP AT lt_property_binding ASSIGNING ls_property_binding WITH PRIMARY KEY structure_id.  
    ls_attribute = VALUE #( ls = [ ls_structure-id = ls_structure-id |>  
        name = <ls_property_binding-name>_field  
        binding = <ls_property_binding-binding>_binding  
        structure_id = ls_structure-id ].  
  
    IF <ls_property_binding>-is_key = abap_true.  
        ls_attribute-is_key = if_sadl_type=not_is_key_true.  
    ENDIF.  
    INSERT ls_attribute INTO TABLE ls_sadl-attributes.  
ENDLOOP.
```

33,000

```
DATA(ls_structure) = get_structured_ls_entry_get(ls_
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING es_sadl = DATA(ls_sadl) ).
DELETE ls_sadl-attributes USING KEY structure IF WHEN structure_id = ls_structure-id.

LOOP AT it_property_binding ASSIGNING ls_property_binding WITH property_binding IS NOT INITIAL.
  ls_attribute = VALUE #( ls_
    name = <ls_property_binding-name>
    binding = <ls_property_binding-property_binding>
    structure_id = ls_structure-id ).
  IF <ls_property_binding>-is_key = when_true.
    ls_attribute-is_key = if_sadl_type-not_is_key_true.
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```

The ABAPConf idea

by developers, for developers

```
DATA(ls_structure) = get_structured( ls_entity get ls )
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING es_sadl = DATA(ls_sadl) )
DELETE ls_sadl-attributes USING KEY structure_id WHERE structure_id = ls_structure-id.

LOOP AT lt_property_binding ASSIGNING <ls_property_binding> WHERE property_binding IS NOT INITIAL.
  ls_attribute = VALUE #( |<ls_property_binding>-name|
    name      = <ls_property_binding>-name
    binding   = <ls_property_binding>-property_binding
    structure_id = ls_structure-id ).
  IF <ls_property_binding>-is_key = abap_true.
    ls_attribute-is_key = if_sadl_types-not_is_key_true.
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```

Reports

Dynpros

WebDynpro

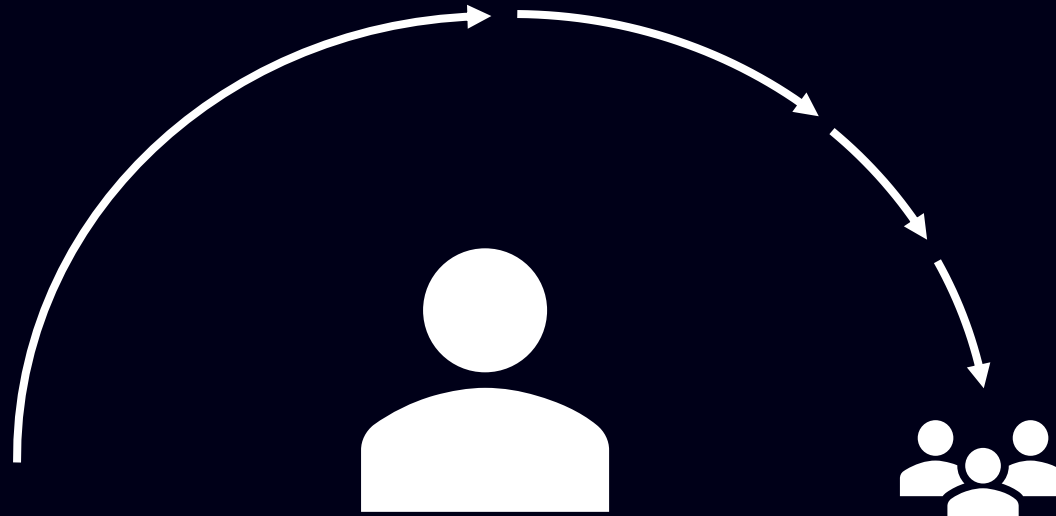
S

API

S

Forms

Business Logic



SAP Developer

Business Apps

**API
S**

Business Logic

100,000+ transactions in an SAP system

4,264 APIs in the Business Accelerator Hub

20,000 custom ABAP objects per av. ERP system

```
DATA(ls_structure) = get_struct( ... )
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING es_sadl = DATA(ls_sadl) )
DELETE ls_sadl-attributes USING KEY structure_id WHERE structure_id = ls_structure-id.

LOOP AT lt_property_binding ASSIGNING ls_property_binding WITH PROPERTY BOUNDING ID NOT INITIAL.
  ls_attribute = VALUE #( |<ls_property_binding-name>|
    name      = <ls_property_binding-name>
    binding   = <ls_property_binding-binding>
    structure_id = ls_structure-id ).
  IF <ls_property_binding>-is_key = abap_true.
    ls_attribute-is_key = if_sadl_type=not_is_key_true.
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```



100,000+ transactions in an SAP system

16,705 Apps in the Fiori Apps Library

4,318 non-SAP Gui Apps*

3,327 Fiori Apps

1,453 Fiori Elements Apps S/4HANA 2023

```
DATA(ls_structure) =  
ASSERT ls_structure IS  
get_sapl( IMPORTING es_3  
DELETE ls_sapl-attributes
```

```
LOOP AT lt_property_binding  
ls_attribute = VALUE #( ls
```

```
IF <ls_property_binding>-is_key  
ls_attribute-is_key = if_sapl  
ENDIF.
```

```
INSERT ls_attribute INTO TABLE ls_sapl-attributes  
ENDLOOP.
```

* S/4HANA Private Cloud

General recommendation: as much Fiori Elements as possible

80% of new Fiori apps are Fiori Element Apps

```
DATA(ls_structure) = get_structured_data( <ls_structured_data> )
ASSERT ls_structure IS NOT INITIAL.
get_sapl( IMPORTING es_sapl = DATA(ls_sapl) )
DELETE ls_sapl-attributes USING KEY sapl WHERE structure_id = ls_structure-id.

LOOP AT lt_property_binding ASSIGNING ls_property_binding WITH PROPERTY BOUNDING ( <ls_structured_data> )
  ls_attribute = VALUE #( |<ls_structured_data>| )
  name = <ls_structured_data>-name
  binding = <ls_structured_data>-binding
  structure_id = ls_structure-id.
  IF <ls_structured_data>-is_key = abap_true.
    ls_attribute-is_key = if_sapl_type-ot_is_key.
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sapl-attributes.
ENDLOOP.
```

ABAP Developer was the first full-stack developer

ABAP Developer will continue to be a full-stack developer

ABAP Developer++

ABAP, CDS, RAP, Fiori Elements

```
DATA(ls_structure) = get_structured_data_entity_data(
  ASSERT ls_structure IS NOT INITIAL.
  get_sapl( IMPORTING es_sapl = DATA(ls_sapl) )
  DELETE ls_sapl-attributes USING KEY structure_id WHERE structure_id = ls_structure-id.

  LOOP AT lt_property_binding ASSIGNING <ls_property_binding> WITH PROPERTY BINDING ID NOT INITIAL.
    ls_attribute = VALUE #(
      name      = <ls_property_binding>-name
      binding    = <ls_property_binding>-binding
      structure_id = ls_structure-id.
    IF <ls_property_binding>-is_key = abap_true.
      ls_attribute-is_key = if_sapl_type( not ls_attribute-is_key ).
    ENDIF.
    INSERT ls_attribute INTO TABLE ls_sapl-attributes.
  ENDLOOP.
```

June 2025

SAP Full-Stack Developer Conference

abap
conf

+

fiori
conf

```
DATA(ls_struct) = get_struct( ... )  
ASSERT ls_struct IS NOT NULL  
get_sadl( IMPORTING es_sadl ... )  
DELETE ls_sadl-attributes  
  
LOOP AT lt_property_bindings  
  ls_attribute = VALUE #( ... )  
  ...  
ENDLOOP  
  
IF <ls_property_bindings>-is_key = abap_true  
  ls_attribute-is_key = if_sadl_type=not_is_key_true  
ENDIF.  
INSERT ls_attribute INTO TABLE ls_sadl-attributes  
ENDLOOP.
```



We need your help

Location

Do you have a location for 300 – 500 people?

- or -

We search for 3 – 5 locations for 50 – 100 people

Germany / Austria / Europe

Your location, our rules

Provide a location for 1 to 2 (or 3?) days

Host 1 channel: full day | full event | 4 hours

Host a workshop (Partners: apply to provide a workshop)

Free entry to participants

You are a sponsor: food & expo & branding

Provide a supporting program

```
DATA(1
ASSERT
get_sadl( IMPORTING es_sadl = DATABASE_SADL )
DELETE is_sadl-attributes USING KEY structure IS WHERE structure IS = is_structure

LOOP AT it_property_binding ASSIGNING is_property_binding WITH property_binding IS NOT DATA.
  is_attribute = VALUE #(
    name = <is_property_binding-name>
    binding = <is_property_binding-binding>
    structure IS = is_structure IS
  )
  IF <is_property_binding>-is_key = <is_key>
    is_attribute-is_key = if_sadl_type IS <is_key>
  ENDIF.
  INSERT is_attribute INTO TABLE is_sadl-attributes.
ENDLOOP.
```

Call to action

Participate!

Be a speaker -> call for speakers opening January 2025

Be a participant -> register

Be a promoter -> tell your friends & colleagues

Follow us -> sign up to our Linkedin Group: ABAPConf

```
DATA(lt_sapl) TYPE TABLE OF sapl.  
ASSERT(1 = 1).  
get_sapl( IMPORTING es_sapl = DATA(es_sapl) ).  
DELETE ls_sapl-attributes USING KEY struct_id FROM structure_id = ls_struct-id.  
  
LOOP AT lt_property_binding ASSIGNING ls_property_binding WITH PROPERTY BINDING ID=1 FROM DATA( ls_struct-id ).  
  ls_attribute = VALUE #( ls_struct-id = ls_struct-id / ls_struct-id = ls_struct-id /  
    name = ls_struct-id / ls_struct-id = ls_struct-id /  
    binding = ls_struct-id / ls_struct-id = ls_struct-id /  
    structure_id = ls_struct-id ).  
  
IF <ls_property_binding>-is_key = abap_true.  
  ls_attribute-is_key = if_sapl_type-not_is_key_true.  
ENDIF.  
INSERT ls_attribute INTO TABLE ls_sapl-attributes.  
ENDLOOP.
```


Get READY

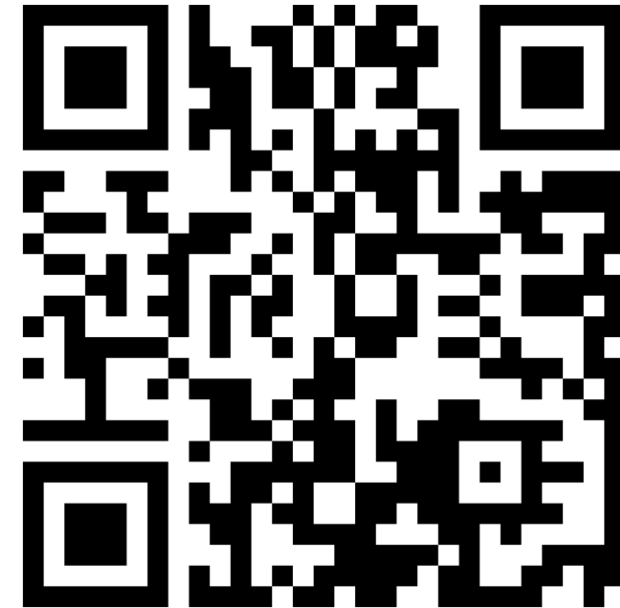
Call for Speaker opens: January 2025!

Stay in the loop

Join our LinkedIn group

```
DATA(ls_structure) = get_structured_ls_entity_get(ls_
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING es_sadl = DATA(ls_sadl) )
DELETE ls_sadl-attributes USING KEY structure WHERE structure_id = ls_structure-id.

LOOP AT lt_property_binding ASSIGNING ls_property_binding WITH PROPERTY BOUNDING
  ls_attribute = VALUE #( ls_
    name = ls_property_binding-name
    binding = ls_property_binding-binding
    structure_id = ls_structure-id.
  IF <ls_property_binding>-is_key = abap_true
    ls_attribute-is_key = if_sadl_type_is_key( ls_sadl_type ).
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```

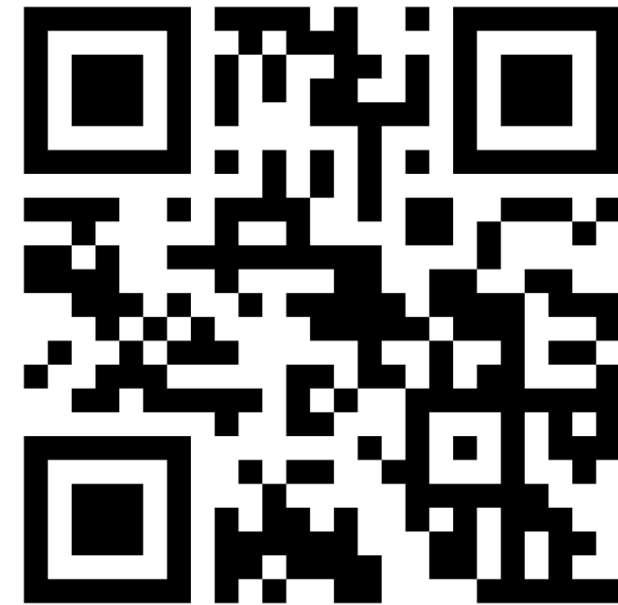


<https://tinyurl.com/ABAPConfLI>

Learn more ...



cadaxo
Webinare zu
ABAP (auf DE)



<https://www.cadaxo.com/webinare/>

Learn more ...

Brandeis Cheat Sheets

```
DATA(ls_structure) = get_structured_ls_entry_get(ls_structure)
ASSERT ls_structure IS NOT INITIAL
get_sadl( IMPORTING es_sadl = DATA(ls_sadl) )
DELETE ls_sadl-attributes USING KEY structure WHERE structure_id = ls_structure_id

LOOP AT lt_property_binding ASSIGNING ls_property_binding WITH PROPERTY CHECK
  ls_attribute = VALUE #( |<ls_structure-id>| |<ls_property_binding-id>| |<ls_property_binding-name>| )
  name = <ls_property_binding-name>
  binding = <ls_property_binding-binding>
  structure_id = ls_structure-id
  IF <ls_property_binding>-is_key = abap_true
    ls_attribute-is_key = if_sadl_type_is_key( ls_attribute )
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes
ENDLOOP.
```

 Brandeis Consulting



<https://www.brandeis.de/blog/cheat-sheets>

Thank you to our Sponsors!

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```
DATA(ls_structure) = get_structure(
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING es_sadl = DATA
DELETE ls_sadl-attributes USING KEY

LOOP AT lt_property_binding ASSIGN
ls_attribute = VALUE #( |<
name
binding
structure

IF <ls_property_binding>-is_key =
ls_attribute-is_key = if_sadl_?
ENDIF.
INSERT ls_attribute INTO TABLE ls
ENDLOOP.
```



ESPRESSO
TUTORIALS



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Welcome to the ABAPConf Legends club

Stephan Heinberg

Björn Schulz

Thomas Fiedler

Christopher Graw

Martin Jonen

Marc Bernard

Frank Engert

Michael Keller

Christoph Gollmick

Thomas Schneider

Enno Wulff

Jörg Müller

Pankaj Yadav

Simone Gaffurini

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Octavian Savu

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Olga Dolinskaja

George Drakos

Ingo Bräuninger

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5. December 2024

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```
DATA(ls_structure) = get_structure(
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING es_sadl = DATA
DELETE ls_sadl-attributes USING KEY

LOOP AT lt_property_binding ASSIGN
ls_attribute = VALUE #( |<
name
binding
structure

IF <ls_property_binding>-is_key =
ls_attribute-is_key = if_sadl_?
ENDIF.
INSERT ls_attribute INTO TABLE ls
ENDLOOP.
```



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Thank You!

```
DATA(is_structure) = get_structured(is_entity_get(is_
ASSERT is_structure IS NOT INITIAL.
get_sadl( IMPORTING es_sadl = DATA(is_sadl) )
DELETE is_sadl-attributes USING KEY structure IS WHERE structure_id = is_structure-id.

LOOP AT it_property_binding ASSIGNING is_property_binding WITH property_binding IS NOT INITIAL.
  is_attribute = VALUE #( is_
    name = <is_property_binding-name>
    binding = <is_property_binding-binding>
    structure_id = is_structure-id ).
  IF <is_property_binding>-is_key = abap_true.
    is_attribute-is_key = if_sadl_types-not_is_key_true.
  ENDIF.
  INSERT is_attribute INTO TABLE is_sadl-attributes.
ENDLOOP.
```