

# Behind XCO

... and much further

# Agenda

1. Introduction
2. Overview
3. Examples
4. Conclusion



Photo from Jakub Dziubak on Unsplash

# Introduction

# Introduction

XCO



Extension Components

# Introduction

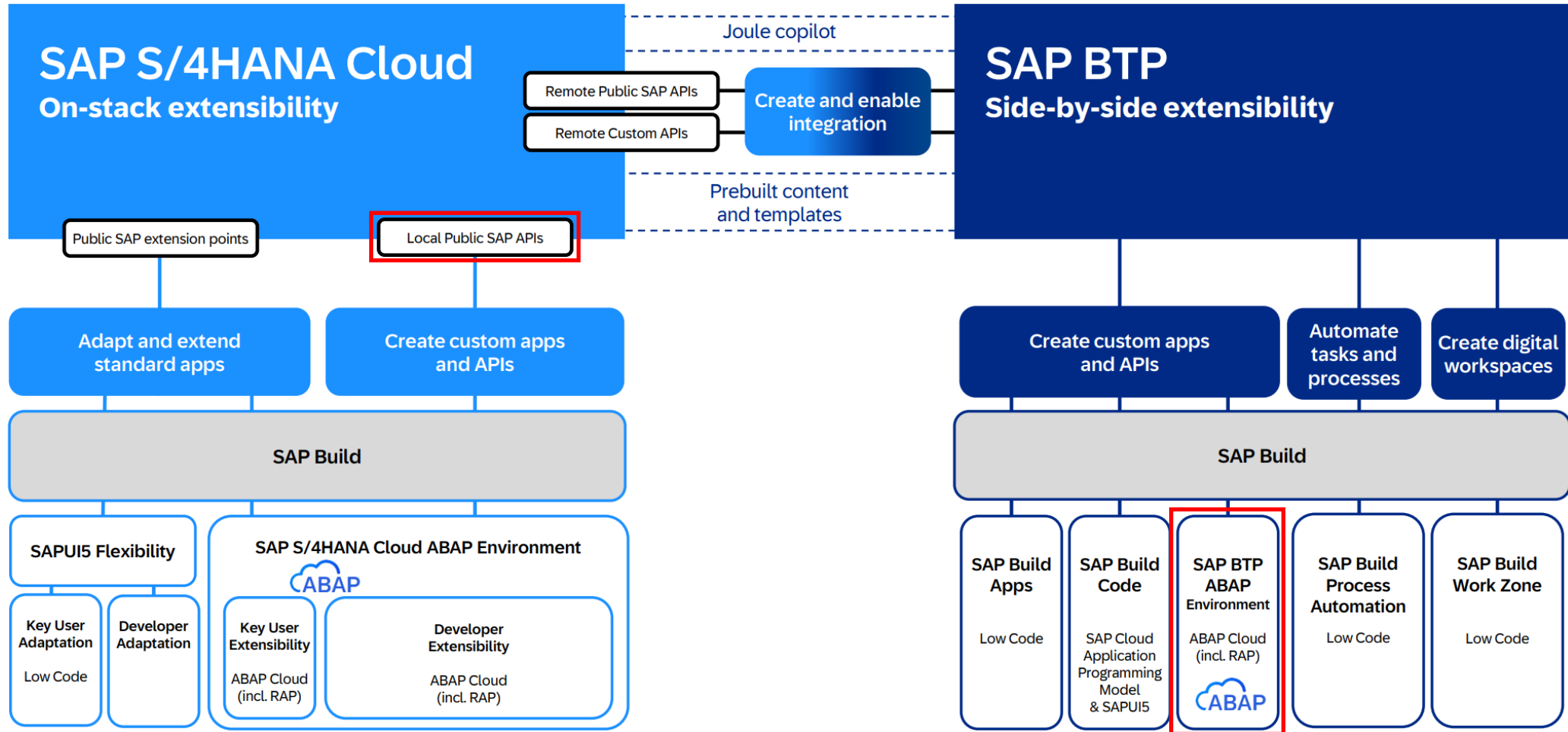




















Photo from Markus Spiske on Unsplash

# Overview


# Overview














## Versions

 XCO XCO Standard library: External API


-  BOOLEAN
-  DATA\_OBJECT
-  SY
-  CURRENT
-  CLASS\_CONSTRUCTOR
-  INTEGER
-  LANGUAGE
-  MESSAGE
-  MESSAGES
-  REGULAR\_EXPRESSION
-  STRING
-  STRINGS
-  T100\_DYN\_MSG
-  UUID
-  XSTRING










Standard ABAP

 XCO\_CP XCO Cloud Platform Standard library:

-  BOOLEAN
-  DATA\_OBJECT
-  SY
-  CURRENT
-  CLASS\_CONSTRUCTOR
-  LANGUAGE
-  MESSAGE
-  MESSAGES
-  REGULAR\_EXPRESSION
-  STRING
-  STRINGS
-  UUID
-  XSTRING

ABAP Cloud

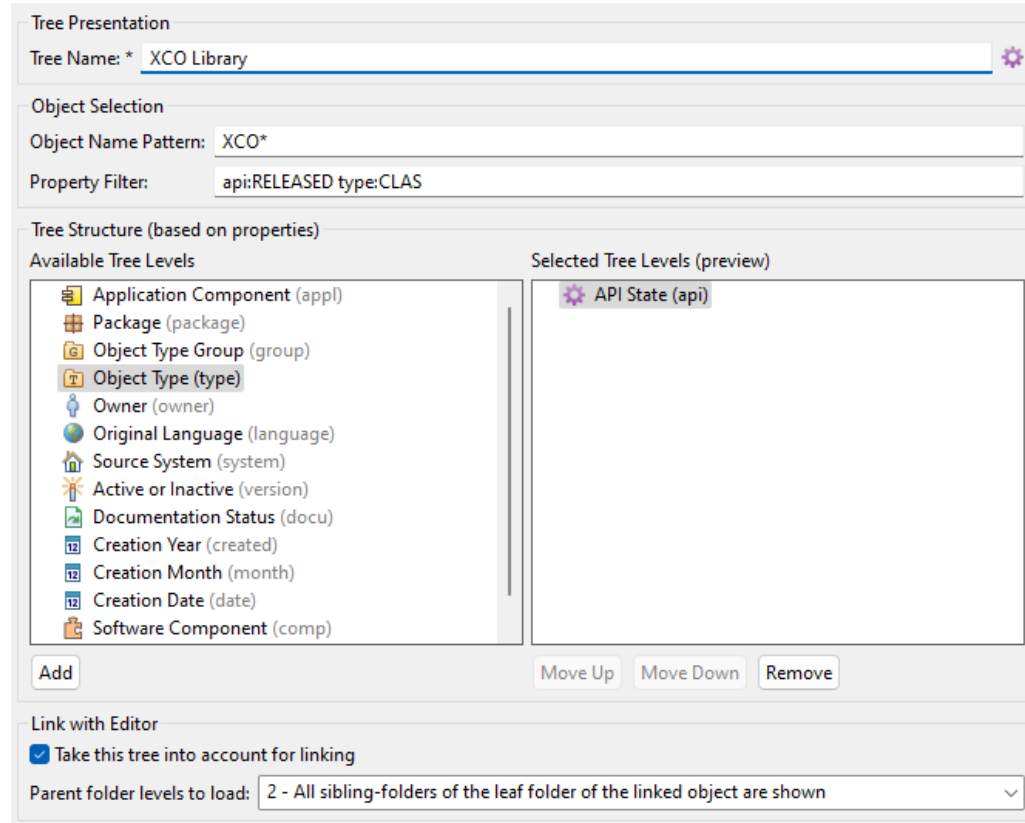
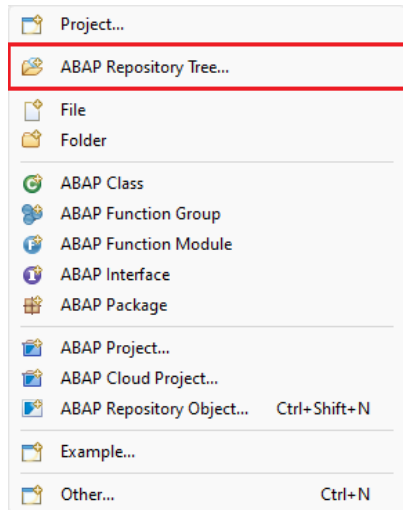
 XCO\_KU XCO Key User Standard library:

-  BOOLEAN
-  SY
-  CURRENT
-  CLASS\_CONSTRUCTOR
-  REGULAR\_EXPRESSION
-  STRING
-  STRINGS
-  UUID
-  XSTRING

Key User Apps

# Overview

## List in ADT



- ⚙ XCO Library (81)
  - > ⚙ USE\_IN\_CLOUD\_DEVELOPMENT (73)
  - > ⚙ USE\_IN\_CLOUD\_DVLPMENT\_ACTIVE (73)
  - ✓ ⚙ USE\_IN\_KEY\_USER\_APPS (8)
    - > 🟢 XCO\_KU XCO Key User Standard library: External API
    - > 🟢 XCO\_KU\_BINARY XCO Key User Binary: API
    - > 🟢 XCO\_KU\_JSON XCO Key user JSON: API
    - > 🟢 XCO\_KU\_REGULAR\_EXPRESSION XCO Key User Regular
    - > 🟢 XCO\_KU\_STRING XCO Key User String: API
    - > 🟢 XCO\_KU\_TENANT XCO Key User Tenant: External API
    - > 🟢 XCO\_KU\_TIME XCO Key User: Time API
    - > 🟢 XCO\_KU\_UUID XCO Key User UUID: API



# Overview

Use in development

```
DATA(result) = xco_cp=>string( `Test` ) ->to_upper_case( ) ->append( ` with addition` ) ->split( ` ` ) ->value.
```

String Object      TO\_UPPER( )      &&=      SPLIT      Value

Factory for Instanting

Fluent Interface Pattern

VALUE for access

```
DATA(result) = to_upper( test_string ).  
result &&= ` with addition`.  
SPLIT result AT ` ` INTO TABLE DATA(split).
```

ABAP native statement

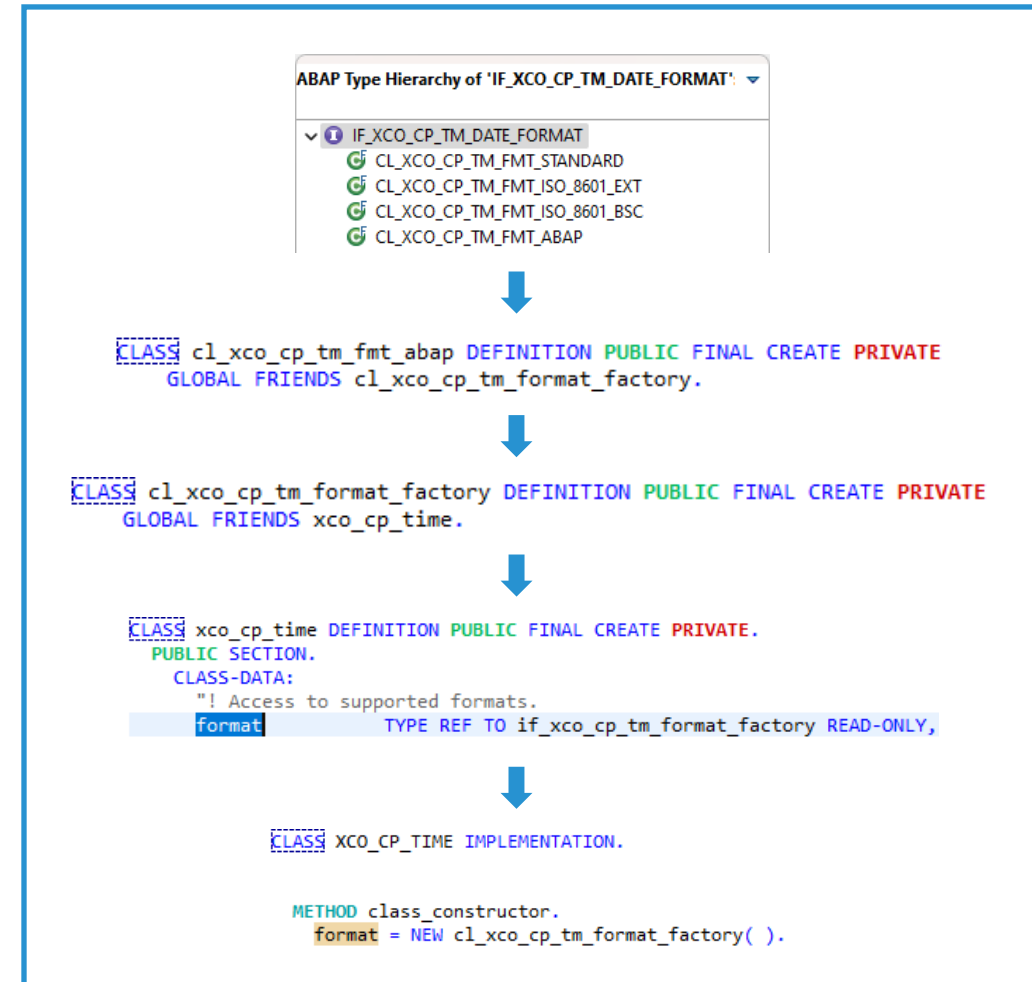
# Overview

## Find the correct options

- Get a formatter for the AS method of class
- Along the object hierarchy
- Public attribute as Factory

```
xco_cp=>sy->date( )->as( xco_cp_time=>format->abap )->value.
```

```
as  
  importing io_format      type ref to if_xco_cp_tm_date_format  
  returning value(ro_string) type ref to if_xco_string
```



# Overview

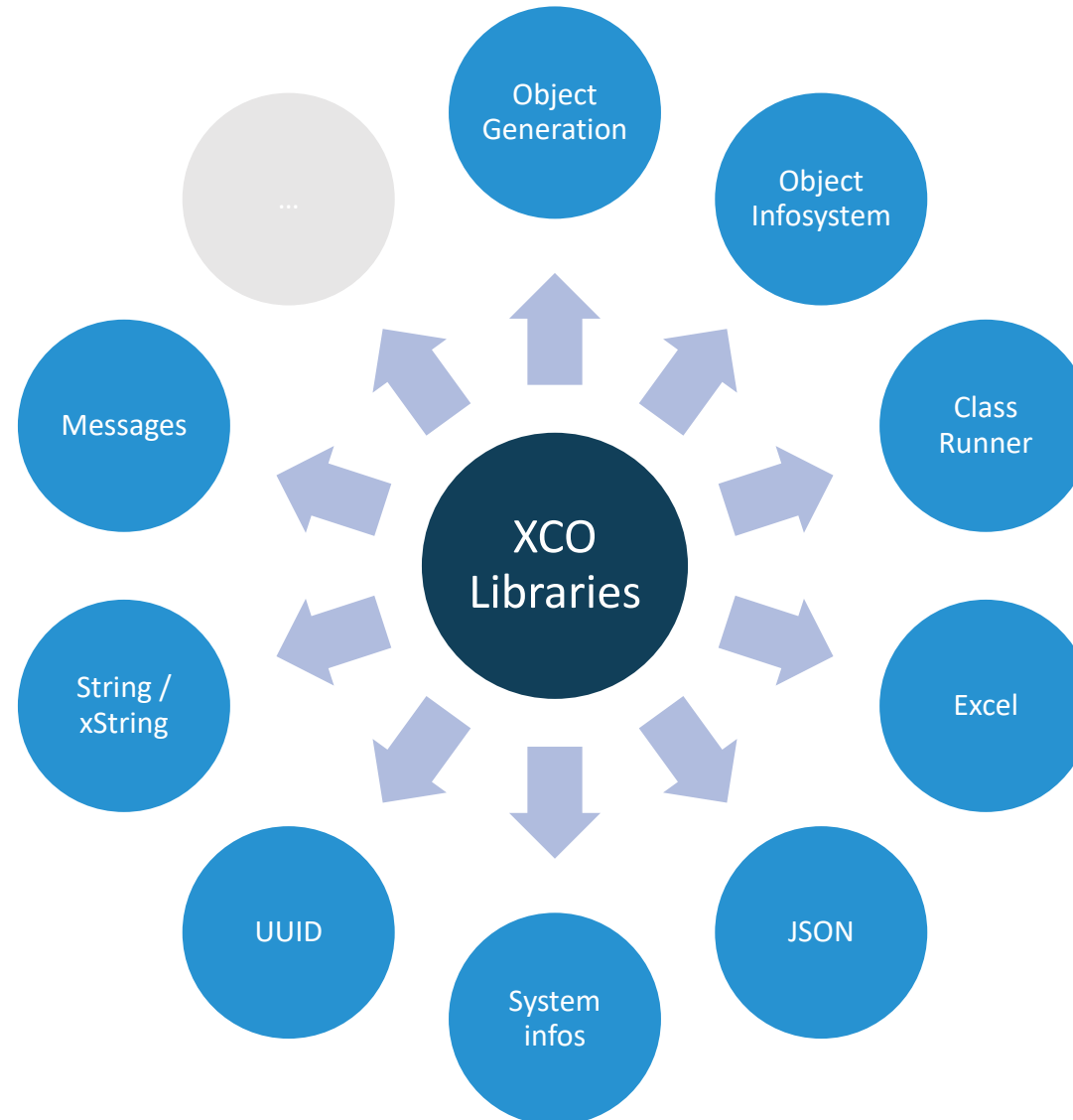
## Catch nothing

- Many exceptions are caught internally
- Inherited from CX\_NO\_CHECK

```
METHOD uuid.  
  TRY.  
    DATA(lv_value) = COND #( WHEN iv_value IS SUPPLIED THEN iv_value ELSE cl_system_uuid=>create_uuid_x16_static( ) ).  
    CATCH cx_uuid_error INTO DATA(lx_uuid_error).  
      RAISE EXCEPTION cx_xco_dep_wrapped_exception=>for( lx_uuid_error ).  
    ENDTRY.  
  
    ro_uuid = NEW cl_xco_uuid( lv_value ).  
  ENDMETHOD.
```

# Overview

## Libraries





# Examples



# Conclusion



Foto von Joshua Hoehne auf Unsplash



# Conclusion



## Learning

- Hard to learn and understand (coming from Classic ABAP)
- Know the different types and functions



## Availability

- All S/4HANA Editions (Public Cloud, Private Cloud, On-Prem)
- ABAP environment



## Wishes

- Close the gap to existent classes and functions
- Add missing functions

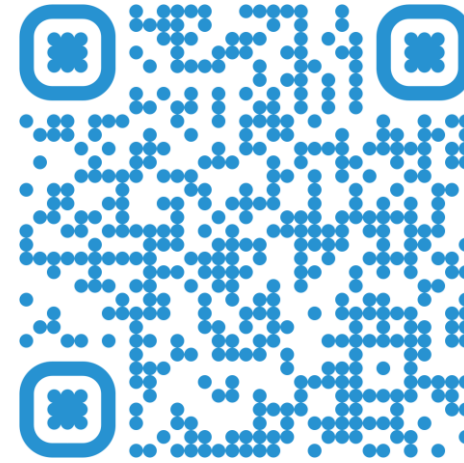




# Thank you



Download



LinkedIn