

## ABAP CDS - ABAP Annotations

CDS annotations that are evaluated by ABAP runtime:

- *AbapCatalog Annotations*
- *AccessControl Annotations*
- *ClientDependent Annotations*
- *DataAging Annotations*
- *EndUserText Annotations*
- *Environment Annotations*
- *MappingRole Annotations*
- *Metadata Annotations*
- *Semantics Annotations*

## Framework-Specific Annotations

CDS annotations that (as a rule) are evaluated during runtime by specific frameworks such as **SADL**, **BOPF**, **Analytics**, or **Enterprise Search**:

- *Analytics Annotations*
- *AnalyticsDetails Annotations*
- *Consumption Annotations*
- *DefaultAggregation Annotations*
- *EnterpriseSearch Annotations*
- *Hierarchy Annotations*
- *ObjectModel Annotations*
- *OData Annotations*
- *Search Annotations*
- *Semantics Annotations*
- *UI Annotations*
- *VDM Annotations*



# Annotations Example

Access Control

OData

Search

UI

```
@sapCatalog.sqlViewName: 'ZVc_Tc_Flight'
@sapCatalog.compiler.compareFilter: true
@AccessControl.authorizationCheck: #NOT_REQUIRED
@displayText.label: 'Flight consumption view'
@odata.publish: true
@Search.searchable: true

@UI.headerInfo: {
  title: { value: 'CarrierName' },
  typeName: 'Flight',
  typeNamePlural: 'Flights',
  imageId: 'logo'
}

define view Zc_Tc_Flight as select from Zi_Tc_Flight
  association [0..*] to Zi_Tc_Bookings as _Bookings on $projection.carrierId = _Bookings.carrierId
  and $projection.connectionId = _Bookings.connectionId
  and $projection.flightDate = _Bookings.flightDate
  association [0..*] to Zi_Tc_Airport as _Airports on ( $projection.AirportFrom = _Airports.Airport or $projection.AirportTo = _Airports.Airport )
{

  @Search.defaultSearchElement: true
  @UI.selectionField.position: 10
  @UI.lineItem: [{ position: 10 }, { position: 10, qualifier: 'Tab1' }]
  @Consumption.valueHelp: '_Carrier'
  key CarrierId,
  @Search.defaultSearchElement: true
  @UI.selectionField.position: 20
  @UI.lineItem: [{ position: 10 }, { position: 10, qualifier: 'Tab1' }]
  key ConnectionId,
  @Search.defaultSearchElement: true
  @UI.selectionField.position: 30
  @UI.lineItem: [{ position: 10 }, { position: 10, qualifier: 'Tab1' }]
  @UI.fieldGroup: [{ qualifier: 'Date', groupLabel: 'Date', position: 10 }]
  key FlightDate,
```

