

Technical Articles



Carine Tchoutouo Djomo

February 1, 2016 | 3 minute read

Getting Started with ABAP Core Data Services (CDS)

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This page offers a collection of getting started materials – such as presentations, blogs and videos – about the ABAP Core Data Services (CDS) which provide the next generation data modeling infrastructure for defining and consuming semantically rich data models on the ABAP platform – starting with SAP NetWeaver AS for ABAP 7.4 SP05.

ABAP CDS is a core technology within SAP S/4HANA, SAP Cloud Platform ABAP environment, and the ABAP development for SAP HANA in general.

PS: This blog is regularly updated.

Latest News:

2021-01: [Beginners guide for CDS Hierarchies – Part 2](#)

2021-01: [Beginners guide for CDS Hierarchies – Part 1](#)

2020-09: [Virtual Data Model \(VDM\) and CDS Views in SAP S/4HANA](#)

2020-09: [New type of CDS view entity available: CDS Projection views](#)

2020-09: [Build composition tree with CDS views](#)

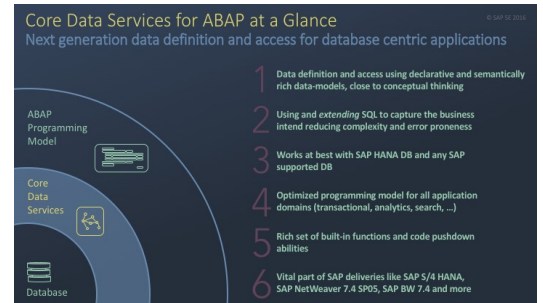
2020-09: [CDS view entities – The new CDS views](#)

2020-09: [A new generation of CDS views: CDS view entities](#)



Overview

- Overview about ABAP Core Data Services
- CDS – One Concept, Two Flavors



Documentation

- ABAP CDS Development User Guide: [On-Premise](#) | [Cloud](#)
- ABAP CDS in the ABAP Keyword Documentation: [On-Premise](#) | [Cloud](#)
- ABAP CDS: Release-specific changes: [On-Premise](#)



Basics for Beginners

- [What is Code Pushdown?](#) (*Code-to-Data* paradigm)
- [Enhanced ABAP Development with CDS](#) (SAPinsider article)
- [Spotlight on ABAP for SAP HANA](#) (*Get the big Picture*)
- [Create your first CDS view](#)(New data modeling infrastructure in ABAP)



Advanced Topics

- [From Open SQL Joins to CDS Associations](#)
 - [Views with Parameters](#)
 - [Modification-free enhancements using View Extensions](#)
 - [CDS Table Functions](#) for SAP HANA Breakout Scenarios
 - [CDS Annotations](#)
 - [CDS Annotations for Metadata-Driven UIs](#)
 - [CDS Metadata Extensions](#)
 - [Access Control with DCL roles](#)
 - [ABAP Unit Testing with the ABAP CDS Test Double Framework](#)
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FAQs, Best Practises, ...

- [ABAP CDS – Tooling FAQs](#)
 - [Performance considerations when using ABAP CDS on anyDB](#)
 - [Boost the performance of ABAP CDS views on SAP HANA – Best practices](#)
 - [Safeguard Performance of ABAP CDS Views \(Blog Post Series\)](#)
 - [Part 1 – CDS View Complexity](#)
 - [Part 2 – SAP HANA SQL Optimizer and Plan Cache](#)
 - [Part 3 – Rules for Good Performance of CDS Views](#)
 - [Best practices about ABAP CDS inside SAP Business Suite](#) (updated on Feb. 7, 2020)
 - [Best practices about ABAP CDS inside SAP S/4HANA](#) (updated on Feb. 7, 2020)
-



Further Information

- [Spotlight on ABAP for SAP HANA](#)
- [Getting Started with the ABAP RESTful Application Programming Model \(RAP\)](#)
- [Getting Started with ABAP Programming Model for Fiori Apps](#) (based on CDS & BOPF)
- Free openSAP course: [ABAP Development for SAP HANA](#)
- Free openSAP course: [Buildings Apps with the ABAP RESTful Application Programming Model \(RAP\)](#)
- Videos: [ABAP for SAP HANA playlist @Youtube](#)
- [CAA104@SAP TechEd 2019 – Optimize Your Custom ABAP Code for SAP HANA](#)
- [SAP Education courses](#): e.g. [S4D430](#) about building views with ABAP CDS, [HA400](#) about ABAP programming for SAP HANA

Last update: July 2021

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By Carine Tchoutouo Djomo Jan 30, 2018

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By Carine Tchoutouo Djomo Oct 27, 2016

ABAP Core Data Services - Tooling FAQs

By Carine Tchoutouo Djomo Jun 22, 2016

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By Former Member Mar 03, 2017

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By Former Member Dec 03, 2015

Core Data Services - Aggregation functions and general questions

By Former Member Sep 28, 2016

8 Comments

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Fernanda Benin

May 4, 2016 at 6:18 pm

Hi Carine,

the link for "Create your first ABAP CDS view" is pointing to same link used for "New Data Modeling Features", is it correct?

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Carine Tchoutouo Diomo | Blog Post Author

May 11, 2018 at 1:00 pm

Hi Fernanda,

yes, that was the state. I've lightly changed the structure to avoid the confusion.

Kind regards, Carine

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Kimberly Holland

August 2, 2018 at 2:04 pm

Hi Carine,

This is amazing! Thank you for such a thorough and organized collection of knowledge sources.

Is there an ABAP CDS home page? If not, this should be the basis for it. Well done!

Best regards,

Kimberly

Like 1 | Share



Dennis Wellman

April 30, 2019 at 2:31 am

Hi Corine,

This is a great resource blog! Thank you!

All the best,

Dennis

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AbhinavX Gupta

July 19, 2019 at 9:23 am

Thanks. This is really a good collection.

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Rocio Camus

January 31, 2020 at 6:32 pm

This is amazing! Thank you for such a thorough and organized collection of knowledge sources.

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Raymond Du

October 12, 2020 at 8:23 am

Thank you very much for such as amazing blog!!!

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Lloyd Fernandes

April 6, 2021 at 12:34 pm

Great content Carine! I find myself coming back to this blog occasionally, to check for updates and new features in CDS.

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