



SAP Cloud Application Programming Model

<https://cap.cloud.sap>
Roundtable #13

June 17th, 2026

PUBLIC

Introduction



- This customer roundtable is open to both SAP internal and external audiences.
- This session is being **recorded** (except Q&A). We will share the recording and slides here: [SAP Cloud Application Programming Model \(CAP\) | Customer Roundtable | June 2026](#) and on our **events page**: <https://cap.cloud.sap/docs/resources/events>
- We offer time for **Q&A** at the end of this session. You can also address your questions via the chat.

Agenda



Introduction (*Sebastian Schmidt, Birgit Selbach*)

10 Min

CAP Updates / Outlooks

- **Upcoming re>=CAP** (*Sebastian Schmidt*)
- **Upcoming Major Release “cds 10”** (*Daniel Hutzel, Christian Georgi*)
- **AI-powered CAP Apps** (*Maximilian Eckert, Matthias Schur*)
- **Updates on CAP Plugins** – Change Tracking v2, ... (*Maximilian Eckert*)

40 Min

Elevate Your CAP Dev: Seamless External Data Mashups for Enterprise
(*Rakesh Jain from CSC*)

20 Min

Topics by Community & Q&A (*all*)

20 Min

Agenda



ReCAP

Mark your Calendars for Code Connect 2026!

**CODE
CONNECT**



[Code Connect](#) comes back for its third edition. Taking place from **July 13 to 16, 2026** in St. Leon-Rot, Germany or online.

Code Connect is THE SAP developer conference combining:

- July 13: CodeJam Sessions (incl. a **CAP CodeJam**)
- July 14: [UI5con](#) – the UI5 community event
- **July 15: [re>CAP](#) – one day all around CAP**
- July 16: [HANA Tech Con](#) – the HANA community event

Agenda

View mode:   

08:00 11:00 Breakfast 12:00 14:00 Lunch 15:00 16:30 Afternoon Snack 18:00 20:00 Afterparty

	AUDIMAX	W1/W2	W3	EXP
09:00	9:00 - 9:10 Intro 9:10 - 9:50 Keynote			
10:00	10:00 - 10:40 CAP Tools – What's New and Hot	10:00 - 10:40 Building Code-Based AI Agents with CAP and UI5: From Concept to Production	10:00 - 11:30 TOP 10 OWASP: Best Practices for Secure SAP BTP Development (CAP and Node.js)	
11:00	11:00 - 11:20 Optimizing CAP Performance with Data Replication and Caching – Part II 11:30 - 11:50 AI-assisted development of CAP Apps	11:00 - 11:40 Building AI-enabled Applications with CAP	11:35 - 13:35 Building AI-Ready CAP Services	11:00 - 12:00 Multi Tenancy + Extensibility
12:00	12:00 - 12:40 Expressions and Abstractions - Two Developer Superpowers in CAP			12:00 - 13:00 CDS Development Kit
13:00		13:10 - 13:50 Building a CAP Application with		13:00 - 14:00 CAP and AI: Unifying Vector Search,



- **Online streams** for two presentation tracks
- New format “**topic corners**”
- Also new: **Capire Trivia Quiz**

<https://recap-conf.dev/program.html>

Agenda



Upcoming Major Release “*cds 10*”

- Native SQLite, Fetch API, Vitest → less deps, less surface
- Migration Guide, *cds upgrade* tool → less pain for you

Better CAP Upgrade Experience

Guide application developers during CAP upgrades

- Clearer documentation of what has changed
- Interactive `cds upgrade` tool, for:
 - First analysis of whether you are affected
 - Deterministic code fixes
 - Integration of Open Rewrite recipes for CAP Java
- AI upgrade skill to assist you with more code changes
- Starting with version CDS 9 → CDS 10 (upcoming)

Migrating to cds 10

This guide covers CAP Node.js packages, i.e., `@sap/cds*` and `@cap-js/*` packages.

See also [Migration Guides for CAP Java](#)

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- [CDS – Improved Checks](#)
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 - [Fixed Service Results](#)
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Agenda



AI-powered CAP Apps

AI Plugin



- Out-of-the-box integration with **SAP AI Core** capabilities
- Simplified **AI Core** usage (resource groups, deployments, configs) → CALESI-fied
- AI-powered recommendations in UI leveraging **SAP RPT-1**:
- More features to come!

Book details

Title: *	Genre:	Price:
Jane Eyre	Drama (11)	20.00
Author: *	Stock:	Currency:
Charlotte Brontë (107)	20	GBP

```
annotate Genres with @cds.odata.valuelist;
```

Declarative

```
const aiCore = await cds.connect.to('AICore');  
  
const predictions = await aiCore.predictRowColumns(...)
```

Programmatic

Agenda



Updates on CAP Plugins

Change Tracking Plugin v2



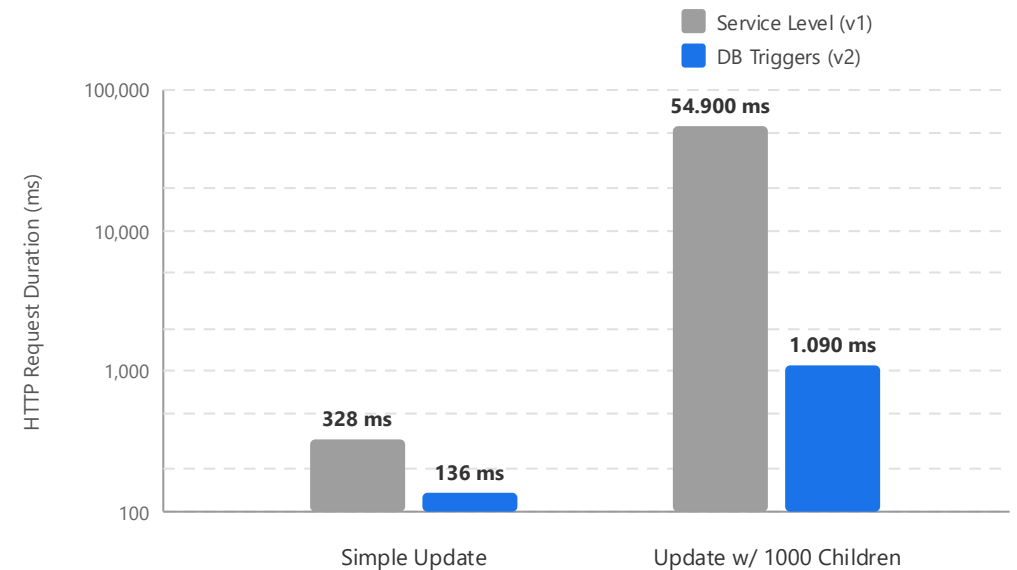
- Capture **change history** of data modifications
- Complete overhaul of the existing Change Tracking plugin (v1)*
- Revisited architecture: **native database triggers** (instead of app-level) → pushdown
- **Significantly improved performance** (3x – 54x)
- **Tree Table visualization**

Change History

Change Type	Object Type	Object ID	Field	New Value	Old Value
Update	Book	Wuthering Heights	Title	Wuthering Heights	Wuthering Heights
▼ Update	Book	Chapters of Wuthering Heights	chapters		
Create	sap.capire.bookshop.Chapters	Chapter 4	Title	Arrival of a Foundling	
Update	sap.capire.bookshop.Chapters	Chapter 1	Title	A Visit to Wuthering Heights	Lockwood's Visit

- **CDS Expression language support**

```
annotate Incidents {  
  status @changelog: (status.code || ':' || status.descr);  
  price @changelog: (price < 100 ? 'Budget' : 'Premium');  
}
```



***Note: Migration needed** ⚠

SAP Build Process Automation Plugin (beta)



- Simplified integration with **SAP Build Process Automation** workflows
- **Manage lifecycle** (start, cancel, resume) & retrieve information on processes
- **cds import** command to import & generate service interface from process → CALESI-fied
- **Local mocking**

```
@bpm.process.start: {  
  id: 'shipmentProcess',  
  on: 'CREATE',  
}  
entity Shipments as projection on my.Shipments
```

Declarative

```
cds import --from process --name eu12.ShipmentProcess
```

```
import ShipmentProcessService from  
  '#cds-models/eu12/ShipmentProcessService';  
  
const processService = await cds.connect.to(ShipmentProcessService);  
  
await processService.start({  
  businesskey: 'order-12345',  
  startingShipment: {  
    identifier: 'shipment_001',  
    items: [{ identifier: 'item_1', title: 'Laptop' }],  
  },  
});
```

Programmatic

BTP Print Service Plugin (beta)



- Simplified integration with **BTP Print Service**
- Works on any entity with **LargeBinary** attributes
- Automatically adds print button in UI
- **Local mocking** (print to console)

```
@PDF.Printable  
entity Books as projection on my.Books;
```

Declarative

```
const printService = cds.connect.to("PrintService");  
  
await printService.send("print", {  
  qname: "Printer_Queue_Name",  
  numberOfCopies: 1,  
  docsToPrint: [...],  
});
```

Programmatic

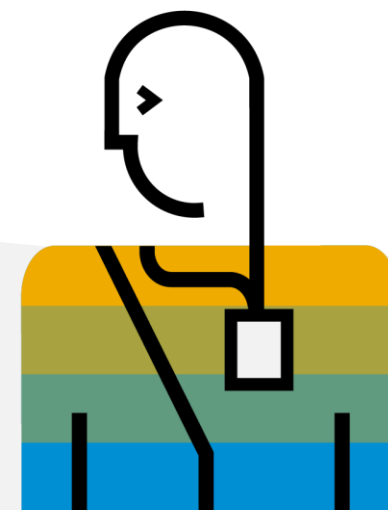
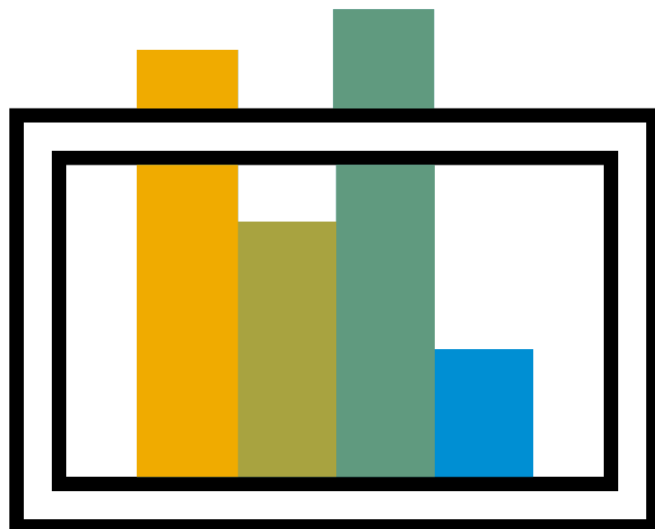


Elevate Your CAP Dev: Seamless External Data Mashups for Enterprise



Q&A

Topics raised by Community & Q&A – all



Questions and Topics raised by the Community



Lean Draft: draft loading behaviour for large composition hierarchies
(*Leon Ueberrück, asbrucon*)

New REQs? Check-out the Customer Influence Tool



SAP
Continuous Influence

SAP Cloud Application
Programming Model

Collect continuously open
Status: Continuously running

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A scenic photograph of two red and white striped hot air balloons floating over a vast, misty mountain landscape. The mountains are covered in green vegetation and partially obscured by thick white clouds. The sky is a clear, pale blue.

<https://influence.sap.com/sap/ino/#/campaign/2280>



Thank you.

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