SAP Cloud
Application Programming Model
https://cap.cloud.sap
Roundtable #1

Today's hosts:

April 6th, 2022

Sebastian Schmidt

Michael Hellenschmidt

Michael Hellenschmidt

THE BEST RUN **SAP**

Agenda

Introduction to the CAP roundtable

Who are you and what are **your goals** for this group?

Demo #1

- Messaging and Persistent Outbox – David Kunz

Demo #2

- Improved SAP HANA Support – Steffen Weinstock

Demo #3

- Simplified Deployment Guide – Steffen Waldmann

Open discussion

What is SAP Cloud Application Programming Model roundtable?

This is a new group focused on **answering questions** that developers and stakeholders have about using CAP, by bringing together a **group** of customers and partners, along with the **product owners**, **architects**, and **developers** from CAP.

In addition the CAP development team will present **latest updates** or upcoming **features** to get your early feedback and foster an open discussion.
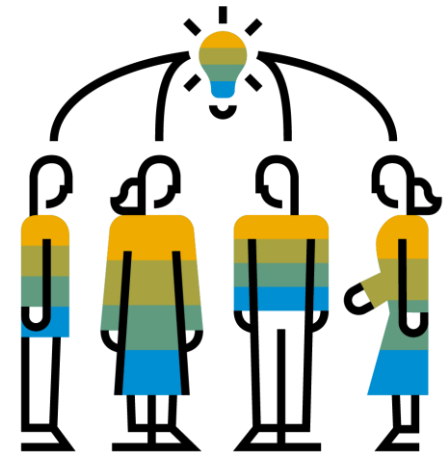
Housekeeping

Call format

- Quarterly web conference
    - 1st Wednesday every other quarter
    - 11AM Eastern, 5 PM CEST
- Focus on development best practices
- Roundtable format, peer-to-peer sharing
- Invitation-only to customers and partners, especially interested in CAP

Ground rules and etiquette

- Identify yourself with your full name and company (please type in the chat)
- Share openly and listen without interrupting
- Keep good discussions active in this forum
- Maintain professional conduct
- Use standard support channels as needed
- No product bashing
- Revenue recognition rules strictly followed

We use Zoom to interact together

Come off mute to
ask your questions

Or ask in
the chat
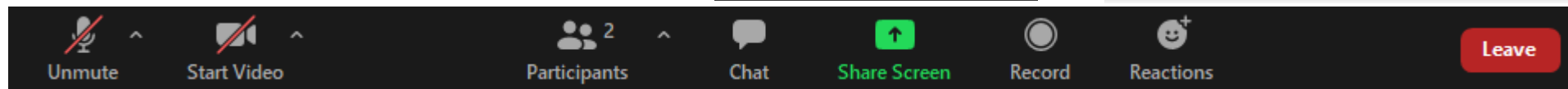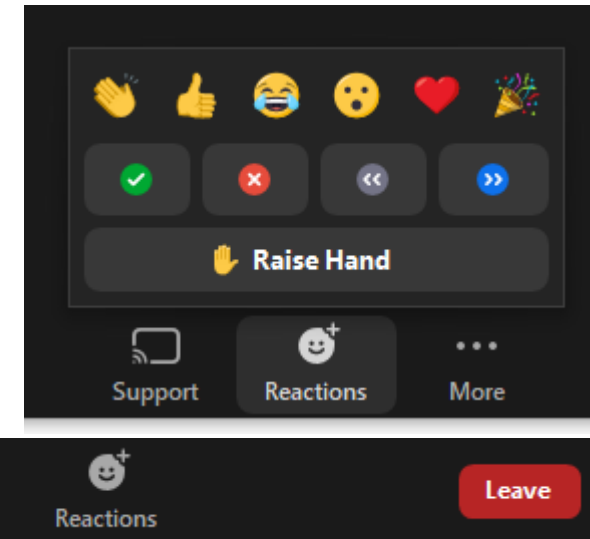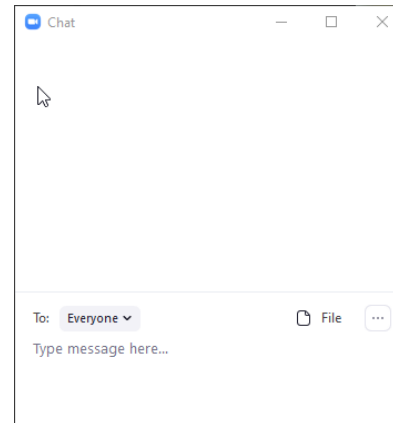
Please introduce yourself and interact with your peers

Please give a brief introduction
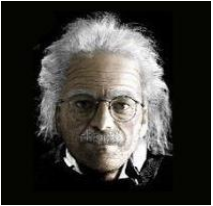
- In the chat:
    - Name
    - Company
    - Location
    - Role
    - What are you looking for from this group?
    - Your experience with CAP

We are providing access to the people that drive product development

CAP Leads

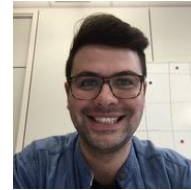Martin Botschek
Head of unit

Daniel Hutzel
CPO

Product Owners

	Areas
Steffen Weinstock	CDS / Compiler
Johannes Vogel	Node.js runtime
Matthias Braun	Java runtime
Adrian Görler	
Christian Georgi	Tools

Announcement: reCAP 2022

Join our event of the year!

- 1st and 2nd of June (two half days)
- On-site for speakers
- Broadcasting for participants
- Sessions by customers, partners, SAP application teams, CAP dev team
- Call for session proposals
  Deadline: 13th of April

More Information
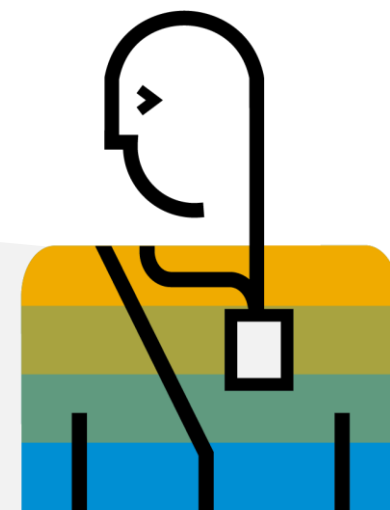
- Landing page
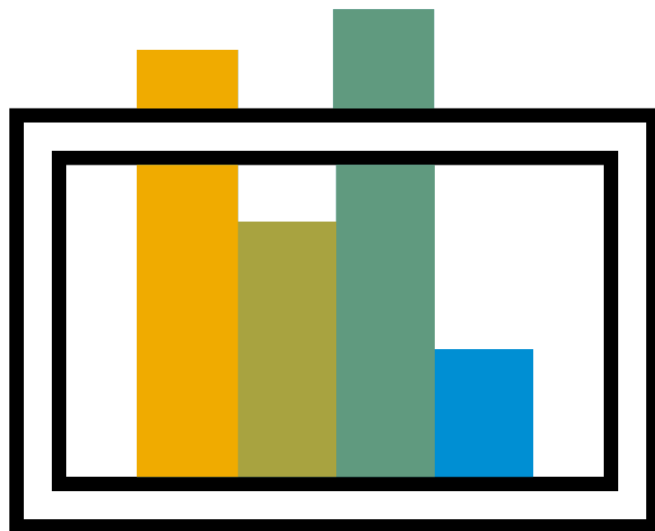- Announcement blog

re>≡CAP hybrid

Jun 1: 15 - 19 CEST
Jun 2: 09 - 13 CEST

Demo #1

Messaging and Persistent Outbox – David Kunz

Messaging and Persistent Outbox

The Task

POST /Reviews

{
    subject: "201",
    rating: 4
}

Reviews

emit ✉

write {}
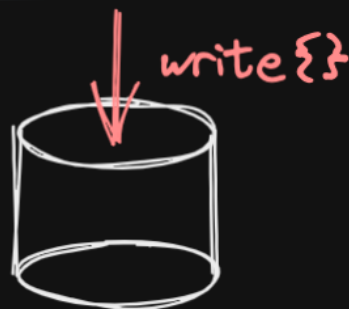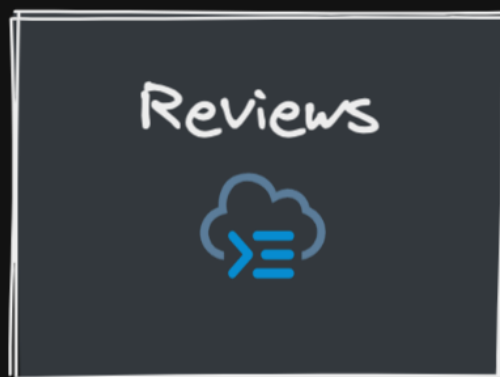
The Solution

POST /Reviews

```
{
    subject: "201",
    rating: 4
}
```

Reviews

emit

write
{}
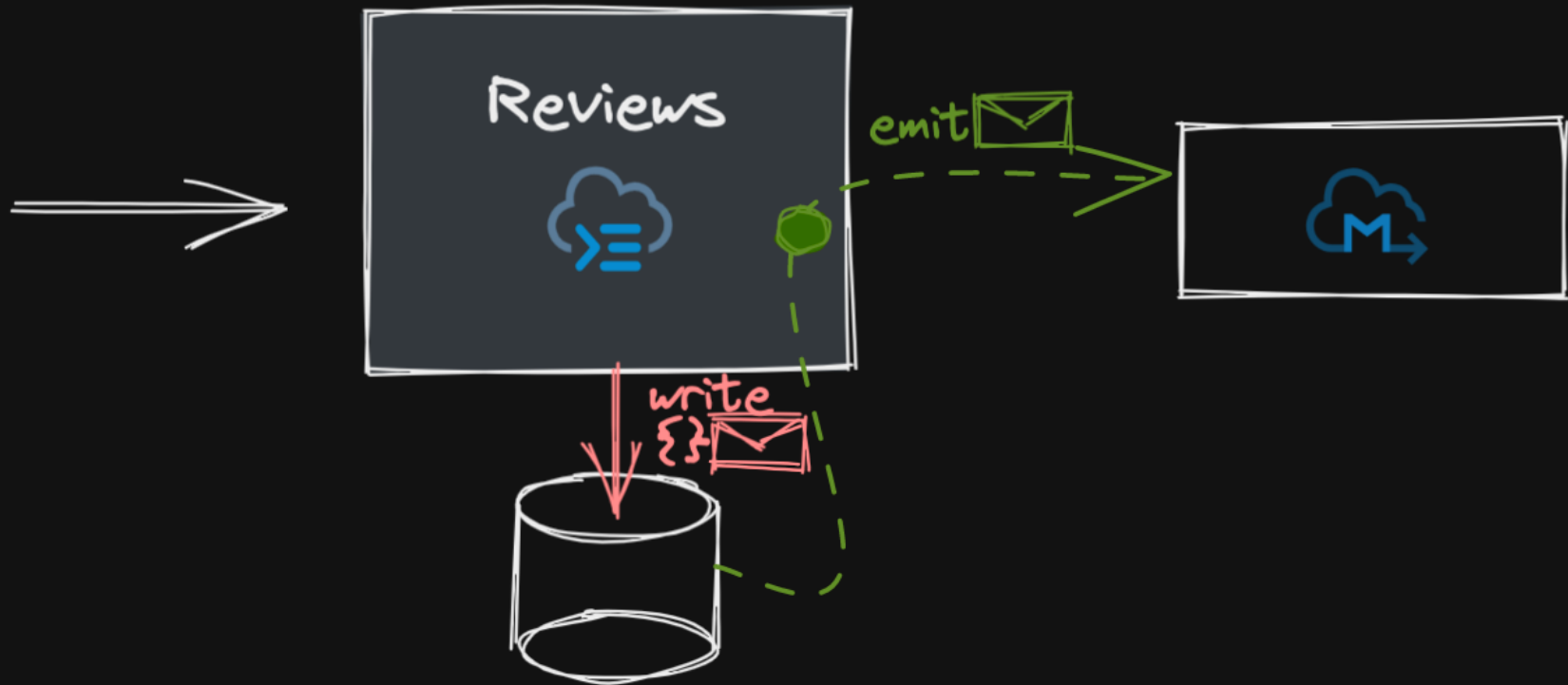
Recap

+ transactional guarantees   -> consistency
+ automatic retries   -> fault tolerance
+ true async processing   -> performance

...all with a single line of configuration

Demo #2

Improved SAP HANA Support – Steffen Weinstock
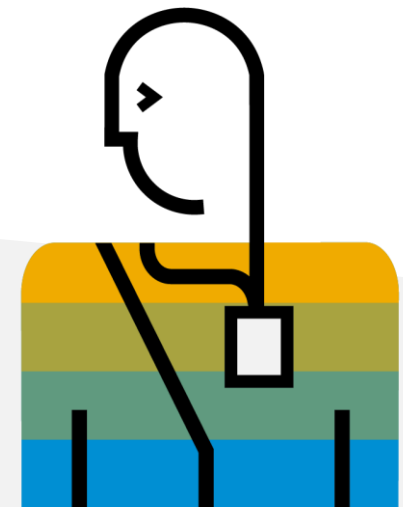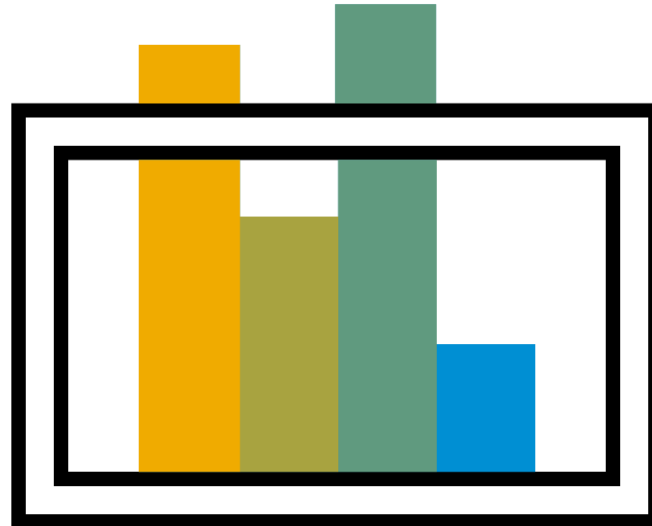
Utilize HANA Features (also for other DBs …)

- Database Constraints
  cap.cloud.sap/docs/guides/databases#db-constraints

- Native SQL Clauses
  cap.cloud.sap/docs/guides/databases#native-db-clauses

- Window functions and "special" HANA functions
  cap.cloud.sap/docs/guides/databases#native-db-functions
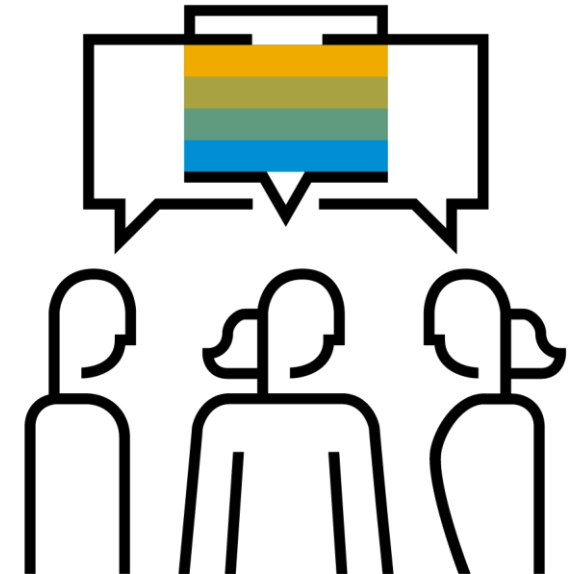
Demo #3

Simplified Deployment Guide – Steffen Waldmann
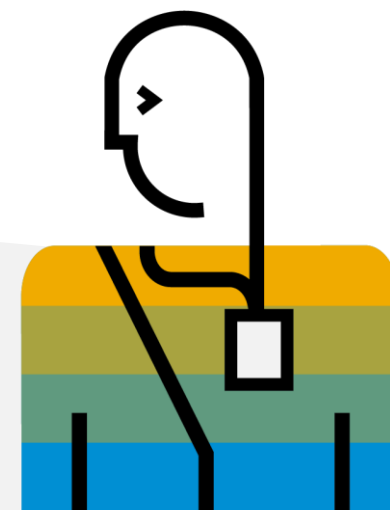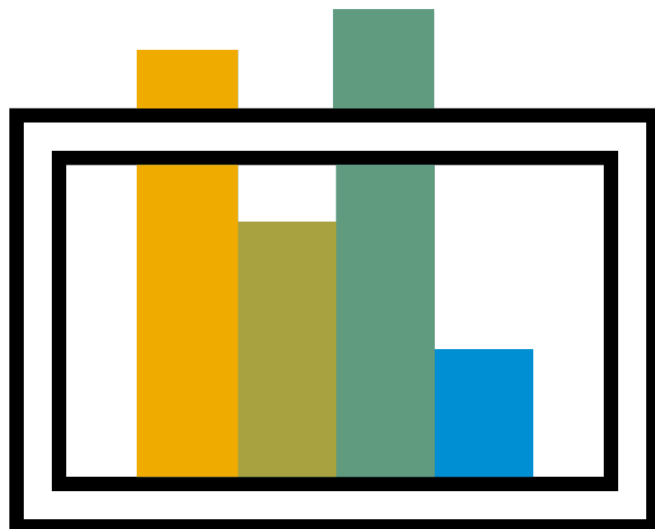
Simplified Deployment Guide

- **Problem**

  - Application and infrastructure deployment is very error-prone

  - Fragmented documentation

  - Long roundtrips between modifying configuration and validating behavior in the cloud

- **Our solution**

  - New collection of deployment guides: https://cap.cloud.sap/docs/guides/deployment/

  - `cds add <facets>`

Stay in touch!

Invitations to CAP events via email?

CAP Events Overview

All available information on past and future CAP events.

re>≡CAP 2022 hybrid

- **Date**: June 1st + June 2nd, 2022
- **Type**: hybrid
- **Agenda**: *will be added in a timely manner*

re>≡CAP hybrid
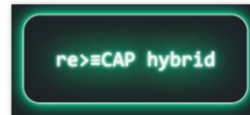
Announcement

Landing Page

Call for session proposals – until 13th of April

Link to Broadcasting

Meeting Request Day 1 - Meeting Request Day 2

SAP Customer Roundtable April 2022

- **Date**: April 6th, 2022 11 AM EST | 5 PM CEST
- **Type**: Online
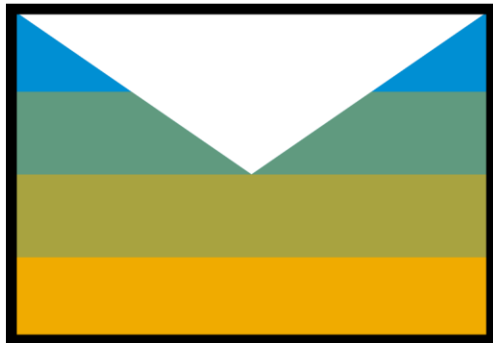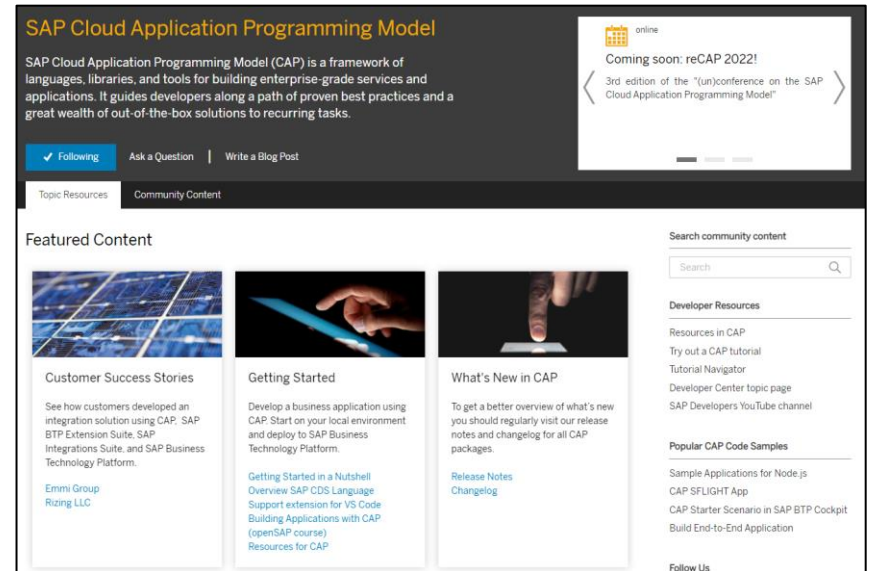- **Agenda**: *will be added soon*

SAP Cloud Application Programming Model

SAP Cloud Application Programming Model (CAP) is a framework of languages, libraries, and tools for building enterprise-grade services and applications. It guides developers along a path of proven best practices and a great wealth of out-of-the-box solutions to recurring tasks.

online

Coming soon: reCAP 2022!

3rd edition of the "(un)conference on the SAP Cloud Application Programming Model"

✔ Following | Ask a Question | Write a Blog Post

Topic Resources | Community Content

Featured Content

Customer Success Stories

See how customers developed an integration solution using CAP, SAP BTP Extension Suite, SAP Integrations Suite, and SAP Business Technology Platform.

Emmi Group
Rizing LLC

Getting Started

Develop a business application using CAP. Start on your local environment and deploy to SAP Business Technology Platform.

Getting Started in a Nutshell
Overview SAP CDS Language
Support extension for VS Code
Building Applications with CAP (openSAP course)
Resources for CAP

What's New in CAP

To get a better overview of what's new you should regularly visit our release notes and changelog for all CAP packages.

Release Notes
Changelog

Search community content

Search

Developer Resources

Resources in CAP
Try out a CAP tutorial
Tutorial Navigator
Developer Center topic page
SAP Developers YouTube channel

Popular CAP Code Samples

Sample Applications for Node.js
CAP SFLIGHT App
CAP Starter Scenario in SAP BTP Cockpit
Build End-to-End Application

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michael.hellenschmidt@sap.com
se.schmidt@sap.com

https://cap.cloud.sap/docs/events/

https://community.sap.com/topics/cloud-application-programming

Q&A

Open discussion – what's on your mind regarding CAP?

Possible topics:

- What are you working on?

- What are you interested in learning more about?

- What feedback do you have on our products?
    - What do you like?
    - What do you need CAP to do that it does not?
    - What new capabilities do you need from CAP?

- Are you stuck in your projects?

- Would you like to demo what they you working on?
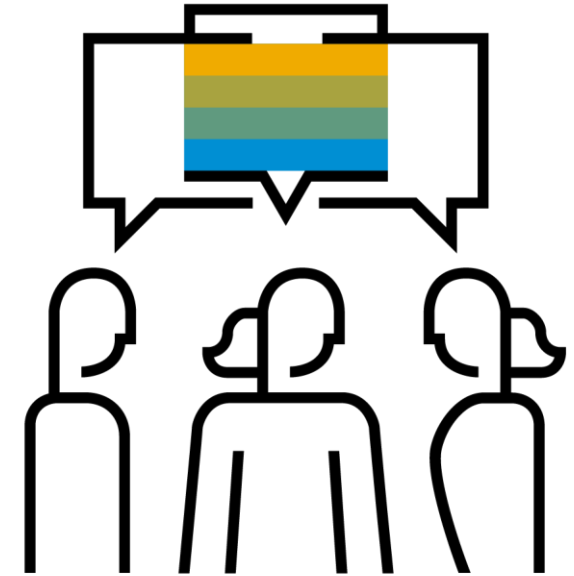
Thank you.

Contact information:

Sebastian Schmidt
Development Manager
se.schmidt@sap.com

Michael Hellenschmidt
Delivery Head
michael.hellenschmidt@sap.com