

# SAP Inside Track Brisbane

Integration Approaches with CAP on BTP

**March 2024**

**Presenter**

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## Brief Introduction

- Short history of CAP
  - Round 2017-ish there was a project called Apache Okra
  - Round the same time **.hdbcds** was a hot topic for HANA development
  - Core Data Services (CDS) was mostly focused on HANA development
  - Somewhere between then and now SAP decided to merge projects
    - Various names such as CDX, CDSN and CDN
- Integration still a semi nightmare – but getting better

# Let the fun start

- Plugins?


- Official

- GraphQL Adapter
    - OData v2 Proxy
    - UI5 Dev Server
    - Change Tracking
    - Audit Logging
    - Notifications
    - Telemetry (Beta)


- Not so Official

- cds-swagger-ui-express
    - sap-cap-sdm-plugin
    - cap-remote-service-rest
    - cds-launchpad-plugin
    - sap-cap-validator-plugin

- Hack it yourself

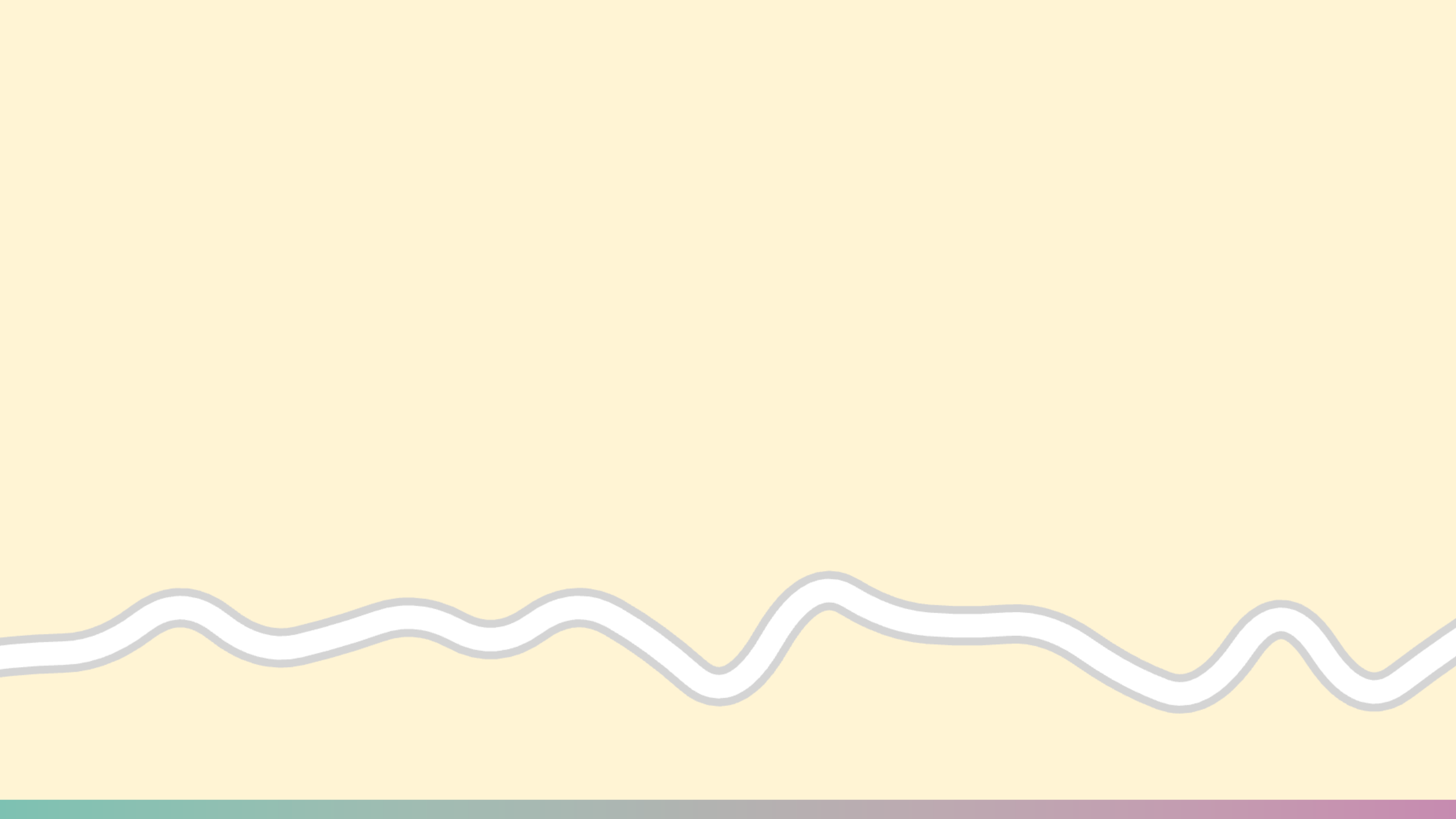
- Node-soap
      - SAP Cloud SDK
      - Express.JS
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# Do they just work?


- Automagick
    - OData v2 Proxy
    - UI5 Dev Server
    - Change Tracking
    - Telemetry (Beta)
    - cds-launchpad-plugin
    - sap-cap-validator-plugin?
  - Semi-automagick
    - Audit Logging
    - Notifications
    - GraphQL Adapter
    - sap-cap-sdm-plugin
    - cap-remote-service-rest
  - Hack it yourself
    - Node-soap
    - SAP Cloud SDK
    - Express.JS
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# API Integrations

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- OData
    - EDMX v2/v4
  - OpenAPI (swagger/oac)
  - AsyncAPI
  - GraphQL
  - SOAP
  - Mail
  - RFC
  - CMIS\*
- Both
- Kind of both
- Consumption only
- Provision only
- Custom
- OData v2 Proxy
  - GraphQL Adapter
  - cap-remote-service-rest
  - Node-soap
  - SAP Cloud SDK
  - Express.js
  - sap-cap-sdm-plugin\*
  - Cmis.js



# Links

- CAP
    - [Consume SOAP Web Services in SAP Cloud Application Programming Model \(CAP\) | SAP Tutorials](#)
    - [CAP Plugins & Enhancements | CAPire \(cloud.sap\)](#)
    - [cap-remote-service-rest - npm \(npmjs.com\)](#)
    - [cds-launchpad-plugin - npm \(npmjs.com\)](#)
    - [sap-cap-sdm-plugin - npm \(npmjs.com\)](#)
    - [sap-cloud-cmis-client - npm \(npmjs.com\)](#)
  - Other
    - [Overview | SAP Cloud SDK](#)
    - [Send e-mails | SAP Cloud SDK](#)
    - [SAP/node-rfc: Asynchronous, non-blocking SAP NW RFC SDK bindings for Node.js \(github.com\)](#)
    - [cmis - npm \(npmjs.com\)](#)
    - [soap - npm \(npmjs.com\)](#)
    - [Basics tutorial | Node | gRPC](#)
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