

# Safran Project Integration API

## –Going deeper

Forum Safran 2024

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# Agenda

- Recap
- Safrans API's
- Milestones Achieved
- What's next
- Wrap up



# Safran Project Integration API



Released  
2018



Increased  
adoption

# Digitalization



From custom  
to standard



Share data



Reduce manual  
data entry

# Safran API's

- Safran Project Integration API
- Safran Project Data Reporting Utility API
- Safran Project ILAP Gateway API
- Safran Risk Manager
- Safran Risk





# Milestones Achieved

System-2-System

Microsoft Core

Data from DRU

Data Subscription

Event Driven

Access Control

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# .NET 8.0

Long term Microsoft support

New application settings file

DBMS clients included

Performance improvement





# Multi Database Support



# Milestones Achieved

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Microsoft Core

Data from DRU

Data Subscription

Event Driven

Access Control

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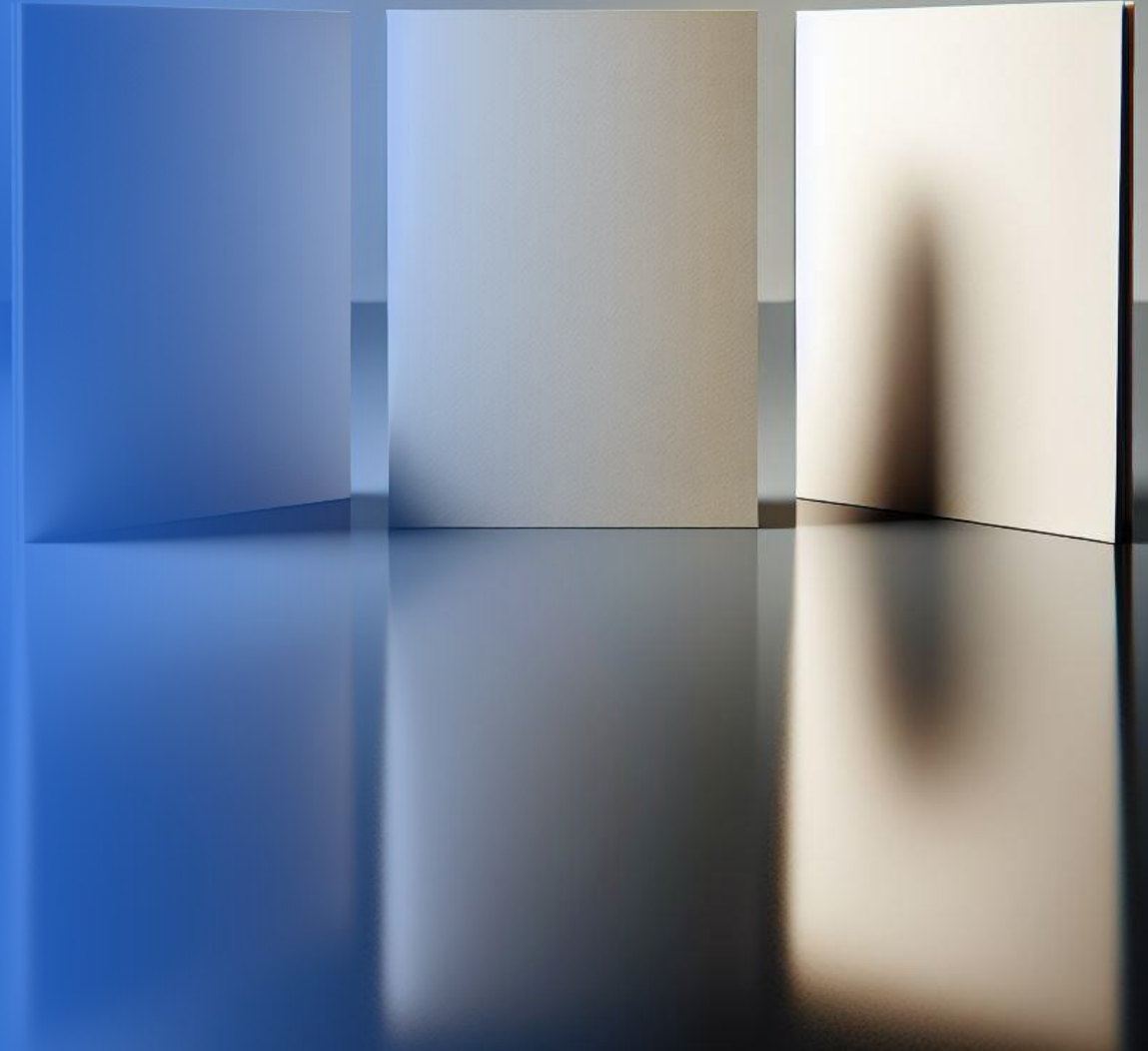
# System Authorisation

JSON Web Token (JWT)

Serverless Authentication

Microsoft Identify Platform

OAuth 2.0



# System Authorisation

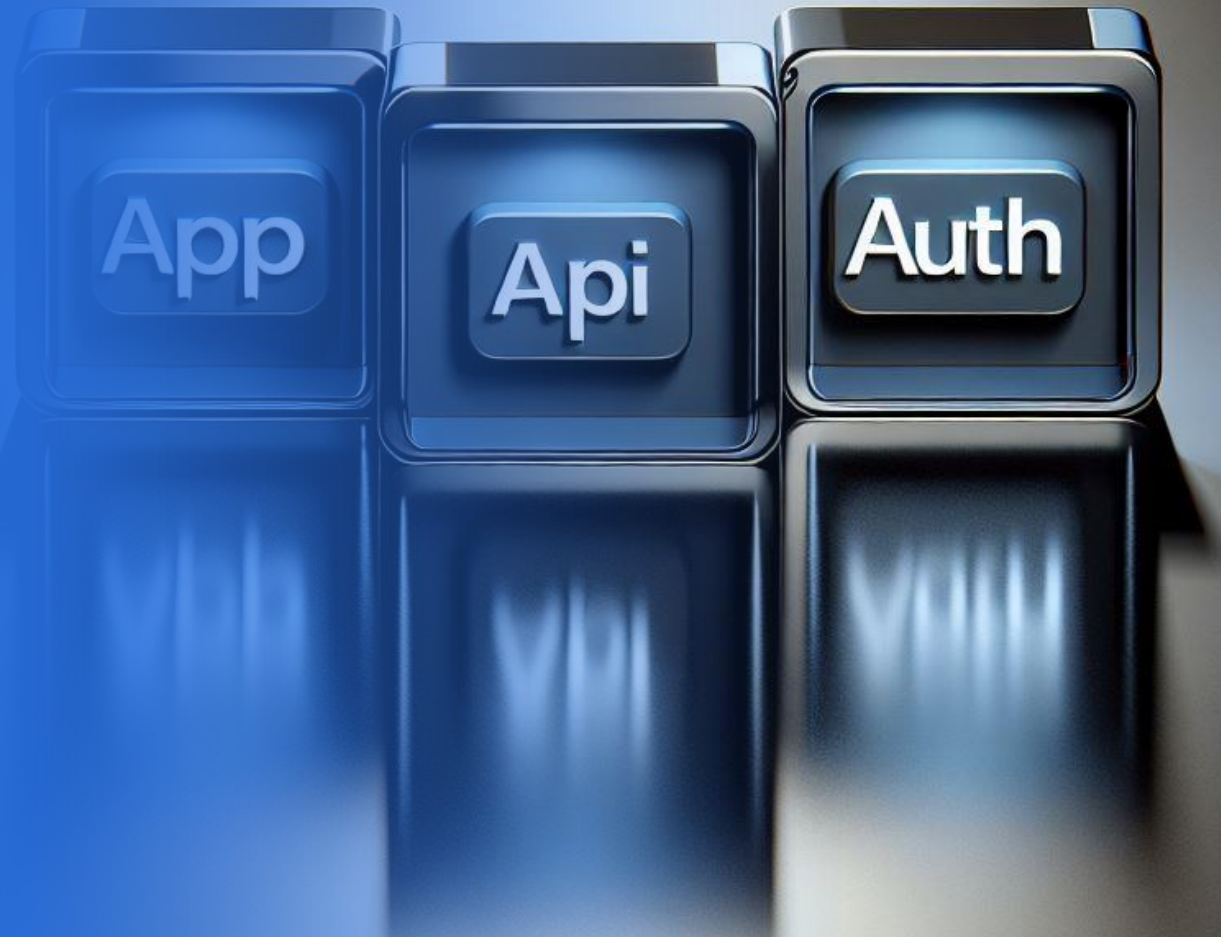
## The Authorisation flow.

The application connects to Authorisation Server.

The server accepts and produce a JWT

The application then connects to the API

The API validates the JWT



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# Access Roles

Individual application control of API elements.

Certain Application with read only API access.

Limited to selected API endpoints.

Restricted access to specific databases





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# Data Reporting API

Access your Safran Project Data Reporting.

Utility data through our new API.



# Documentation

Updated online documentation

Swagger







# What's next for the Safran Project API



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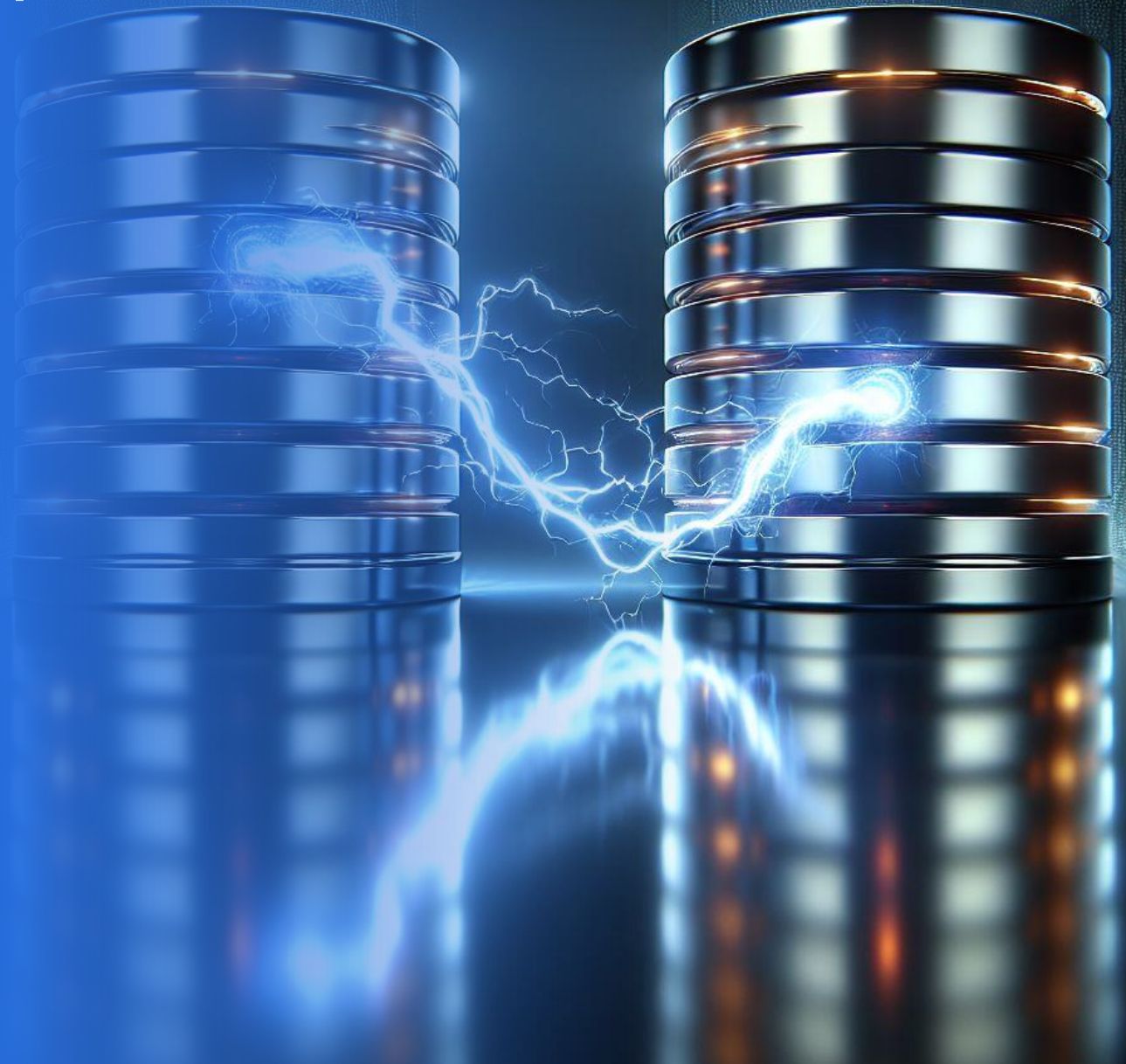
# Data Subscription

Enabled external application subscription of data changes.

Share data between two or more Safran Project Integration API installations.

The API supports Microsoft and Oracle.

The API is backward compatible.



# Event driven API

Allow event to occur which trigger an action in the API.

API will notify when change has occurred.





# Data Reporting API

Data transfer performance

User Defined endpoints





# Final thoughts





# Final thoughts



Secure



Real-time



Future-proof



# Final thoughts

“Easier access to the schedule data is an enabler for increased ownership to the project and to the schedule for a much wider audience”







# Thank you.

[www.safran.no](http://www.safran.no)