XFS4IoT SP-Dev Workgroup

4th June 2024

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XFS4IoT SP-Dev Workgroup agenda

- Recap from previous meeting
- Demo on POS device
- Presentation from Synaforce
- What's next?
- Next meeting

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Recap from previous meeting

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Recap from previous meeting

- Presentation from FNB
  - Who they are and why they use XFS4IoT
  - Development on Windows
  - Demo of SPs running on Linux
  - Next steps and tips
- Demo : SP-Dev Framework on Android
  - Camera SP running on an Android phone

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Demo : XFS4IoT on POS device

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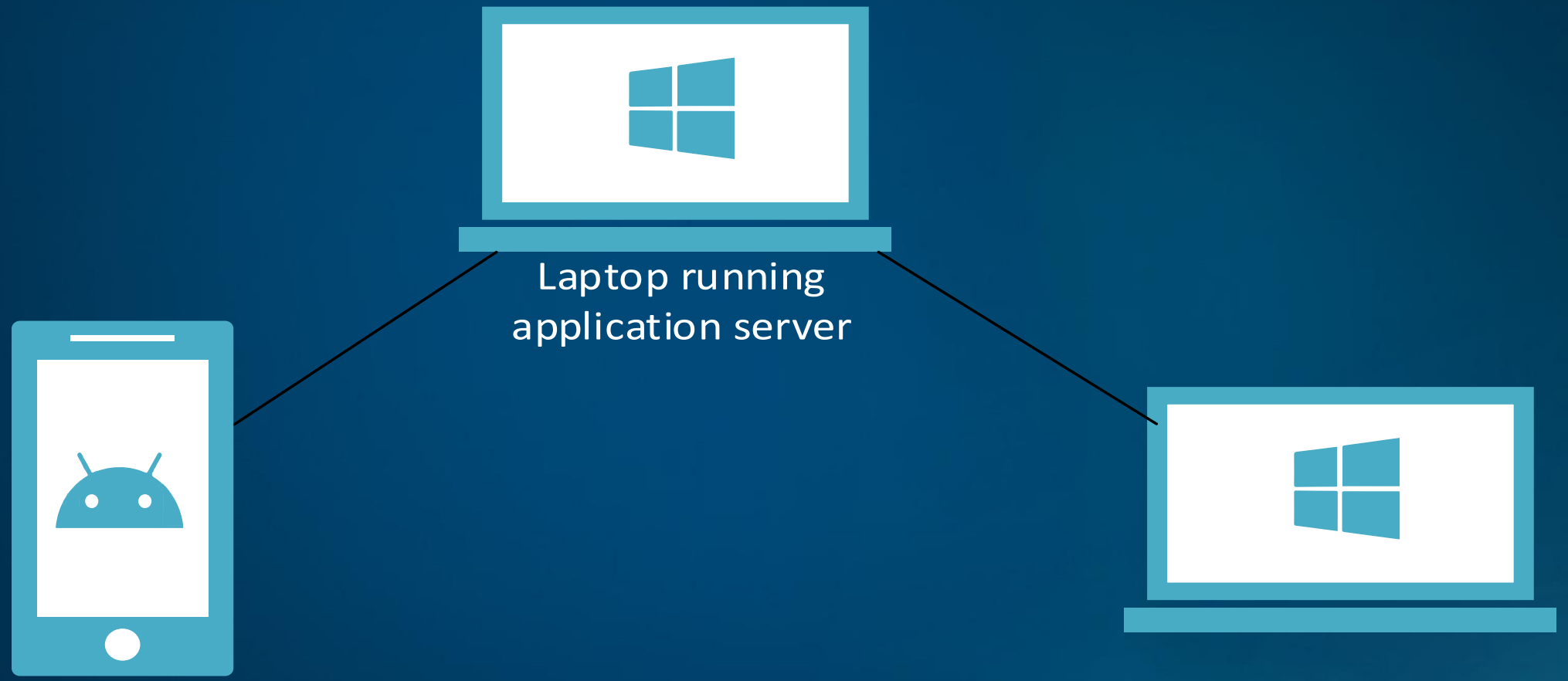
POS Demo setup



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Demo server application

- Simple server application using ASP .NET core
- XFS4 SP connection in background thread
- 2 UIs:
  - One for the POS device
  - Another for the operator device

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MAUI application on the POS device

- XFS4IoT SP running on Android based POS device
- Android app using .NET MAUI
- No changes required in the framework to run on Android
- User interface is a web browser control in the same app

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POS Demo

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synaforce

synaforce

XFS4IoT SP-Dev

Heiko Zißner, Executive Manager

2024, June 4th

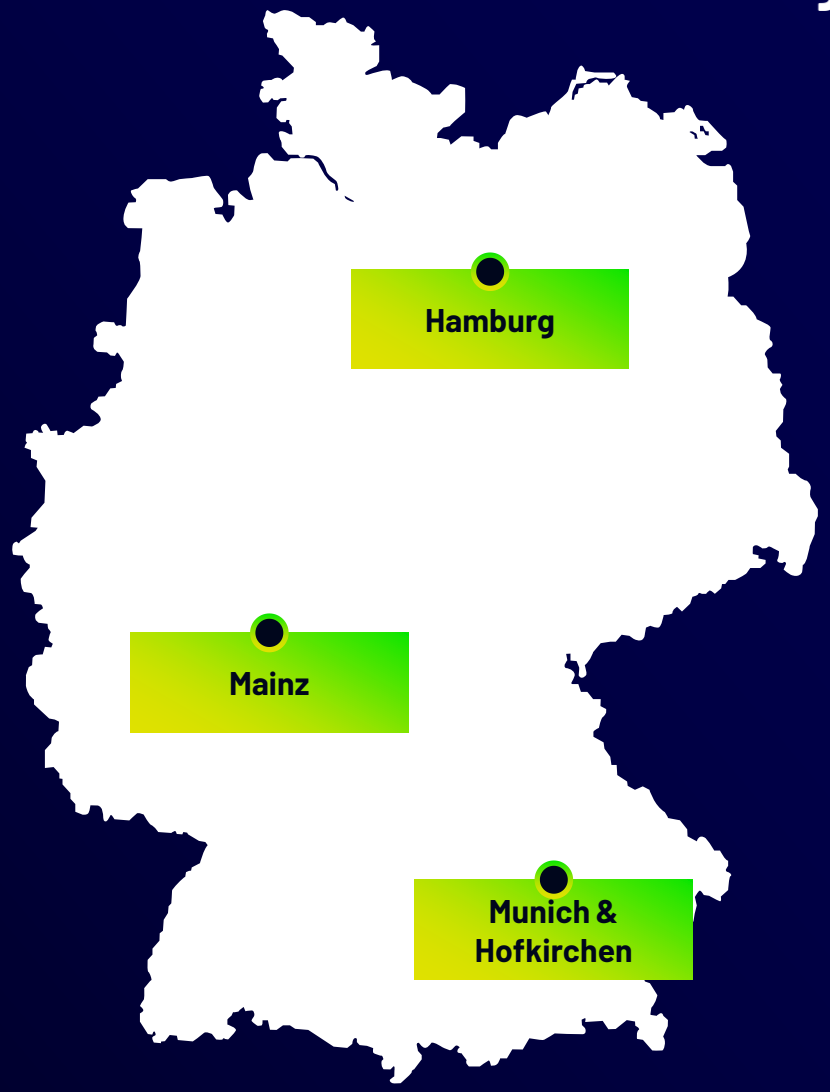
synaforce

synaforce in Germany

- Headquarter *Hofkirchen*
- *Mainz* (formerly ITecon Financial IT-Service)
- *Hamburg* (2x)
- *Munich* (2x)

Focussing on

- High end secure and performant data-centers for finance and health-care
- Application development



The Past

Starting point

- 1000+ gas-stations at Shell with Postbank ATM application incorporated to proprietary POS system
- Recycling hardware 8yrs in production requiring more maintenance
- Additional PC hardware in gas-station for ATM application
- Software updates were very cumbersome and were therefore avoided
- Reconciliation was not always easy

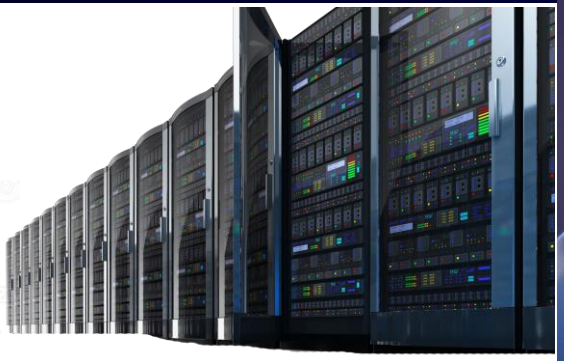
Motivation

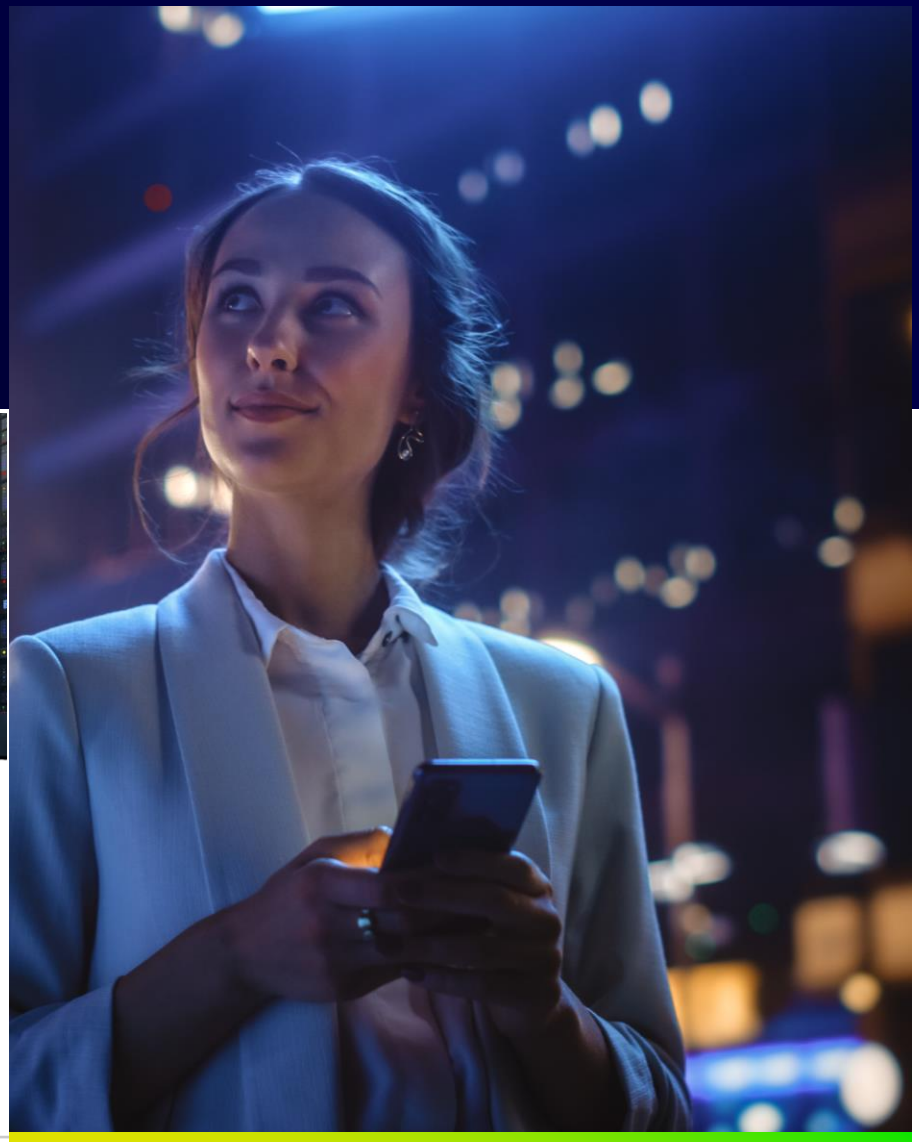
Goals to achieve

- 1300+ gas-stations with ATM application
- Reduce hardware footprint on site
- Improve flexibility and avoid unnecessary integration with POS system
- Becoming more flexible in application flow
- Provide additional transaction types
- PCI scoping
- Improvements to reconciliation

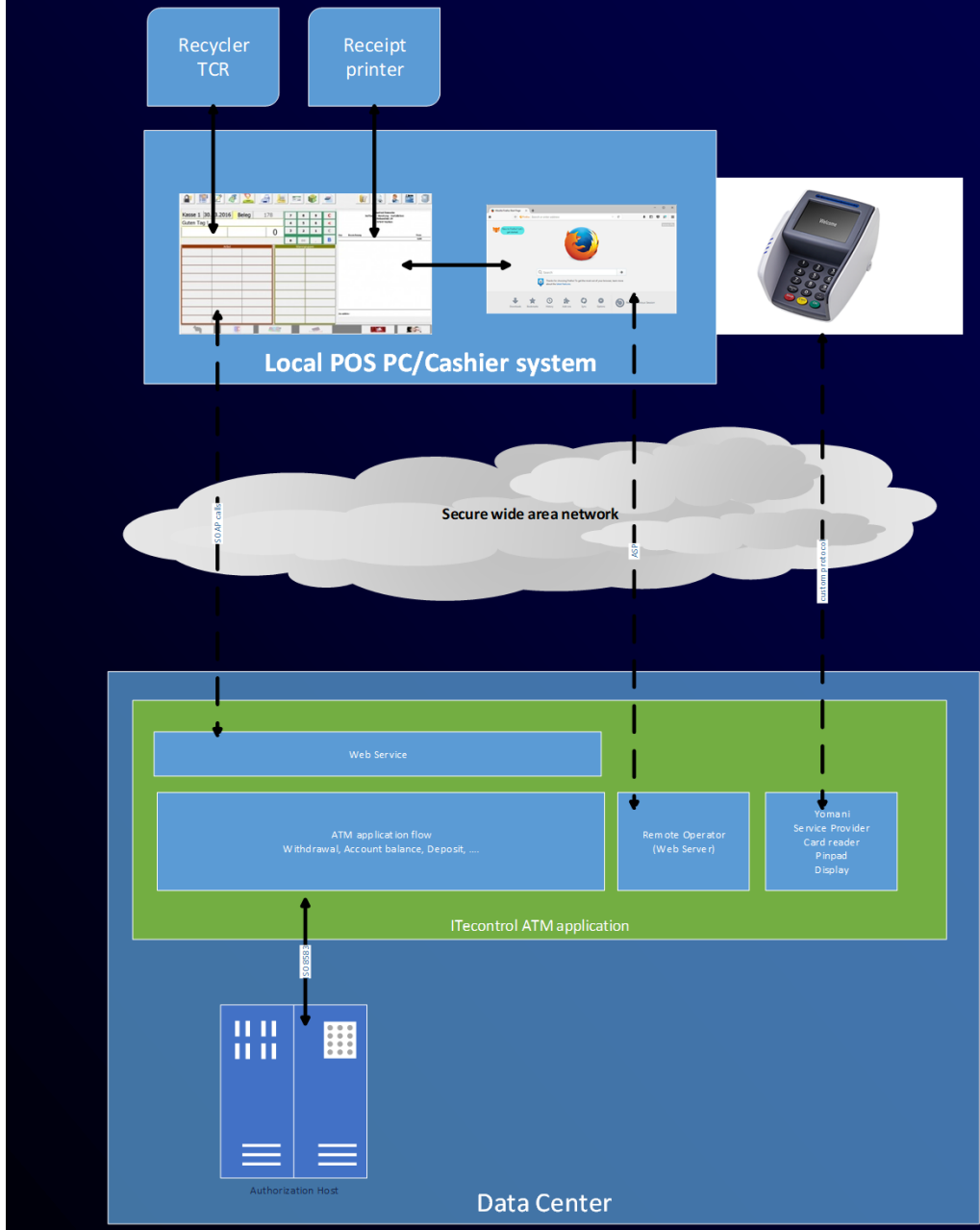
The solution

Cloud based ATMs





Technical design



Challanges in project

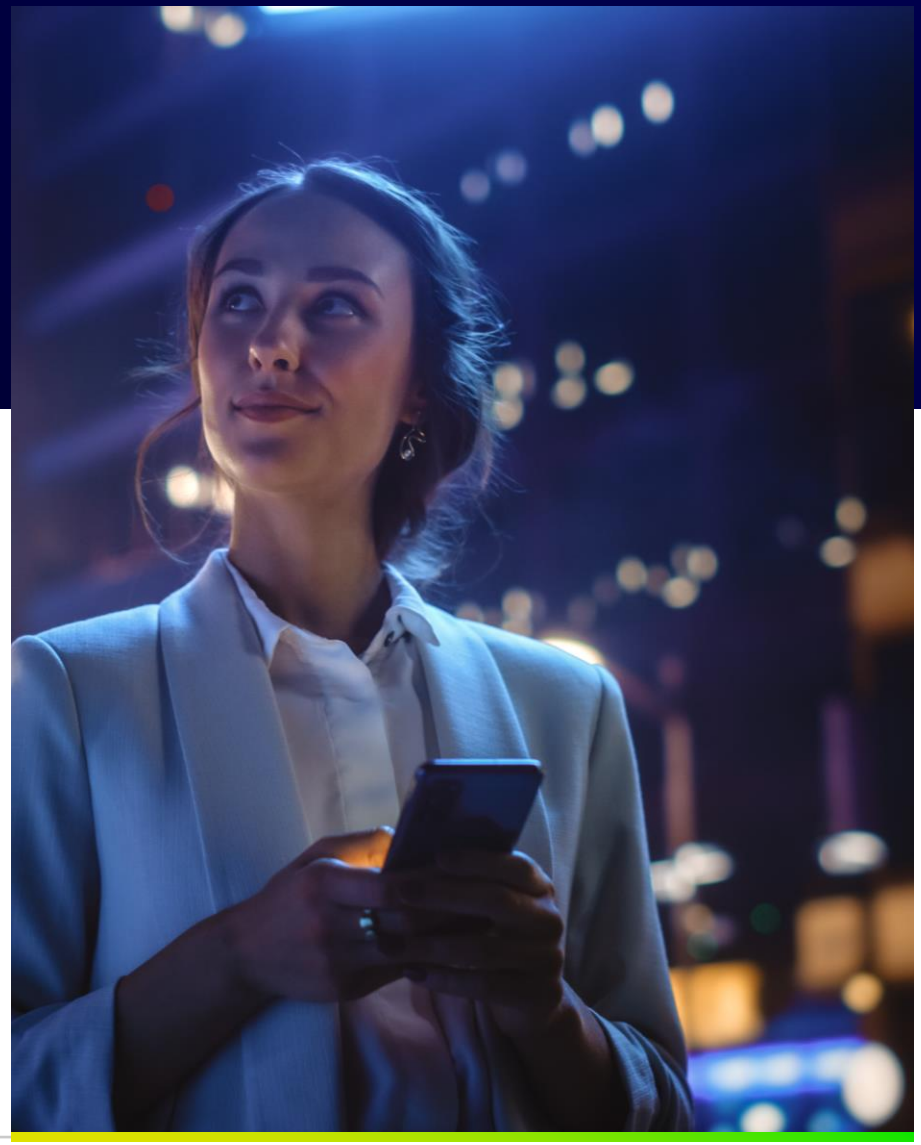
Cloud based ATMs

- Stabilize network connectivity
- Pinpad and application need to be more tolerant in terms of latencies
- UI need to take lower bandwidth and reduced browser functionality into account

What's next…

Cloud based ATMs

- Reduce VM footprint by containerizing
- Improve interoperability by using XFS4IoT



synaforce

Q & A

What's next?

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Demos, POCs and guest speakers

- More guest speakers
- More Android
- More Framework updates
- Framework roadmap

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Next call

Zoom

- First Tuesday of each month at 1300 UK time for 30 mins

HOLIDAY BREAK: July & August

Next call: 3rd September 2024
1300 UK, 0800 US EST, 2100 Tokyo time

Calls are 30 mins long

We will continue to use Zoom
(Interpretation in Japanese, Chinese and Spanish is available using Zoom's interpretation feature)

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