

# Route Traffic between SAP Cloud Integration Tenants

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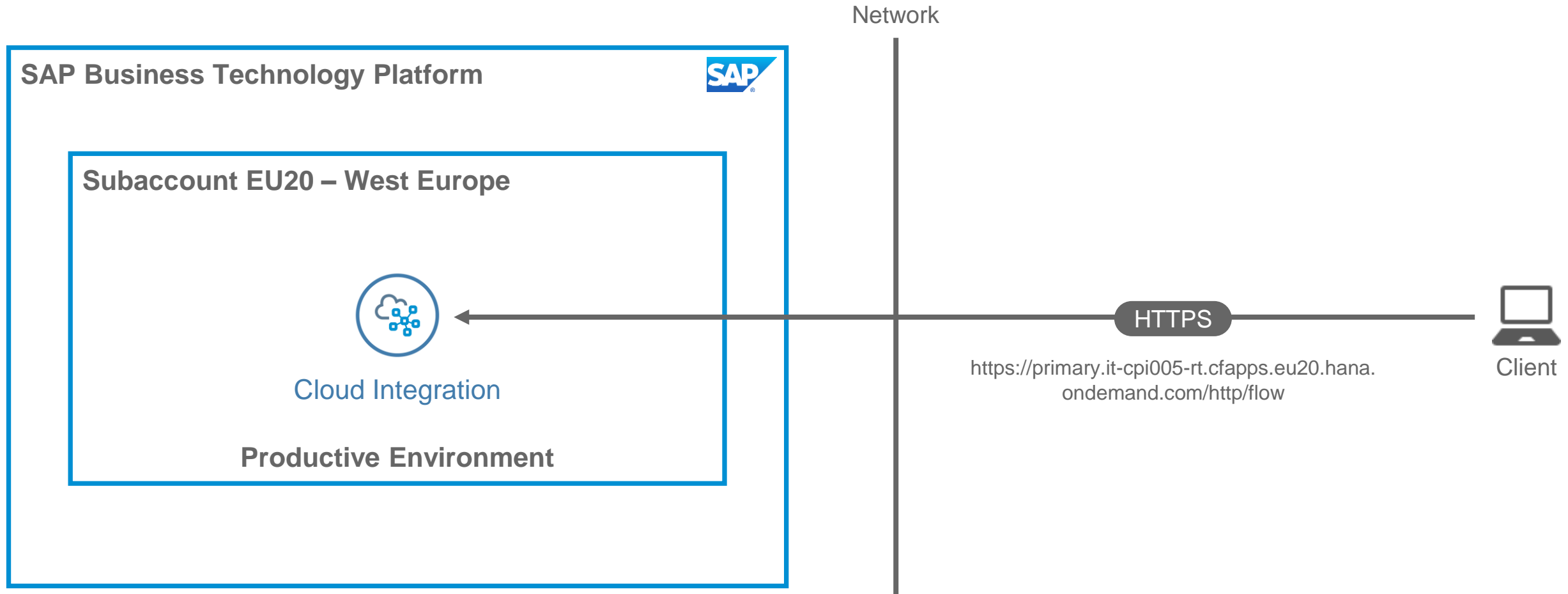
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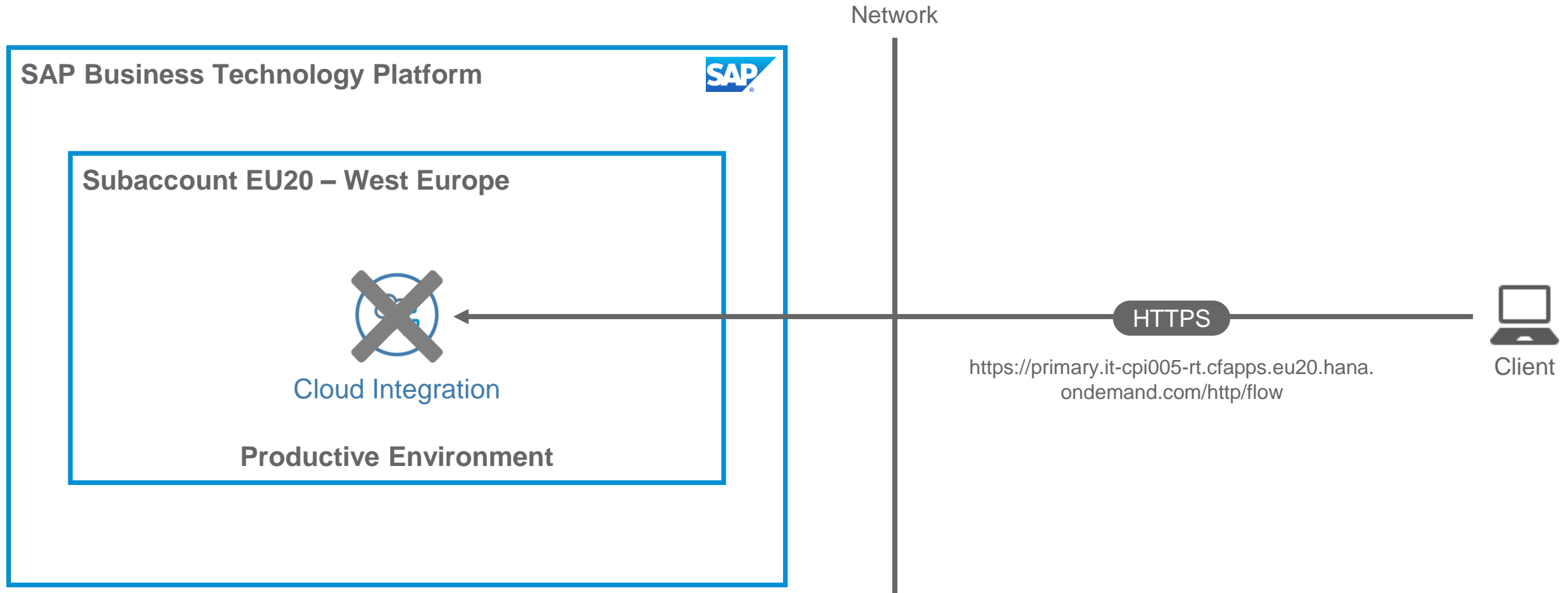
# Agenda

- Common Challenges & Solutions
- Azure Traffic Manager
- Implementation Prerequisites
- Live Demo
- Side effects & things to keep in mind
- Discovery Center & Further Reading
- Q&A

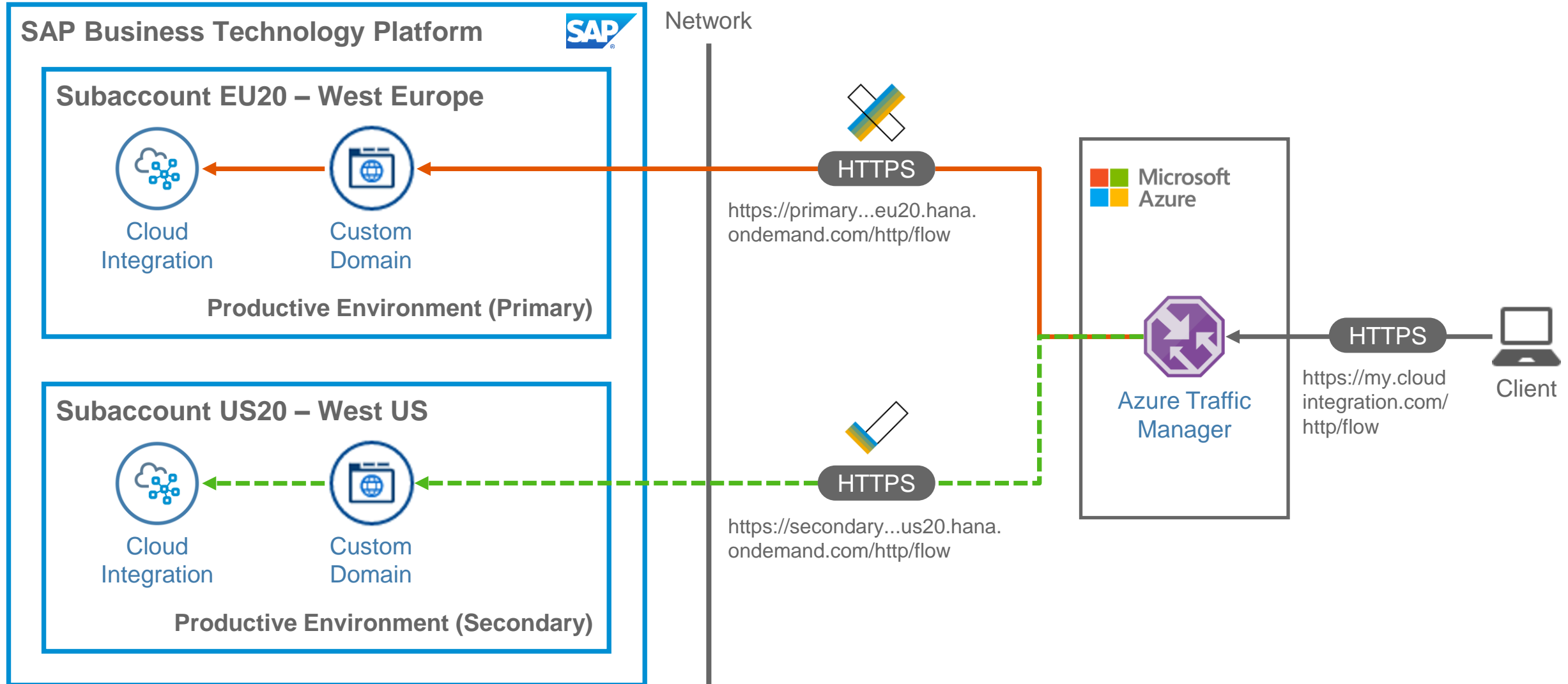
# Common Challenge: Downtime of a single tenant



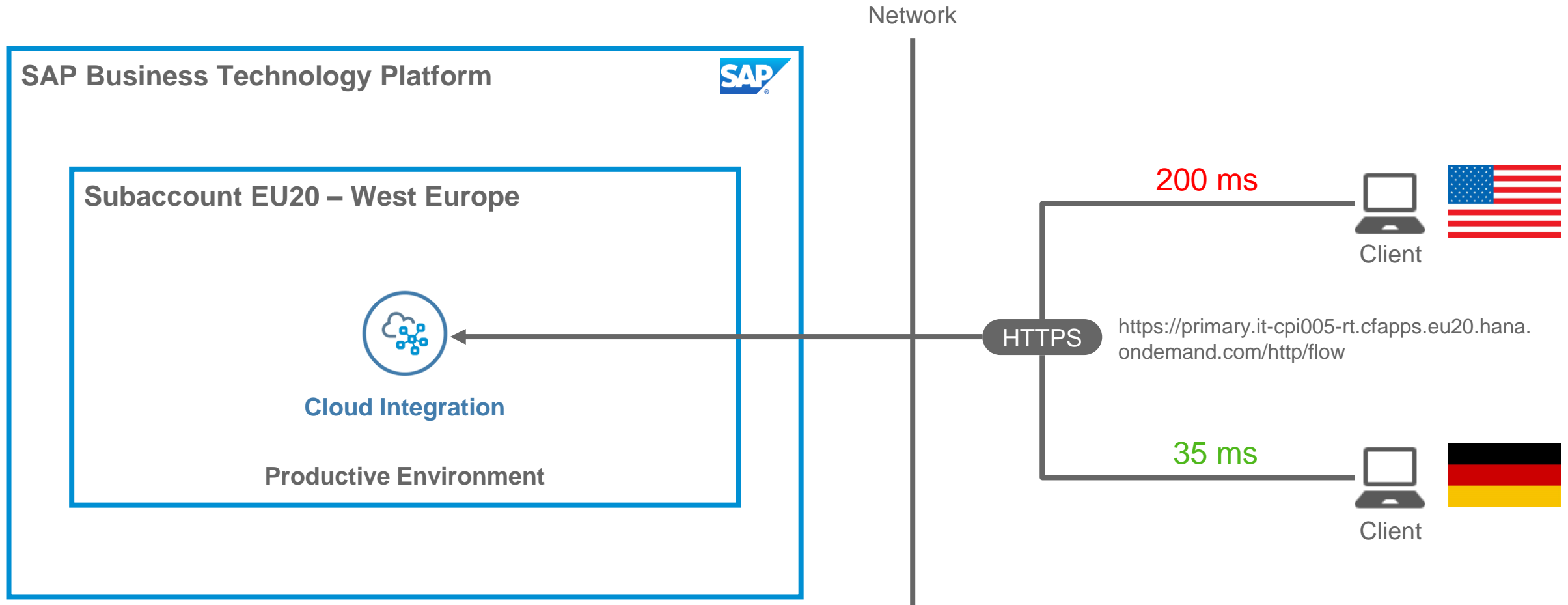
# Common Challenge 1: Availability in single tenant environment



# Common Challenge 1: Solution

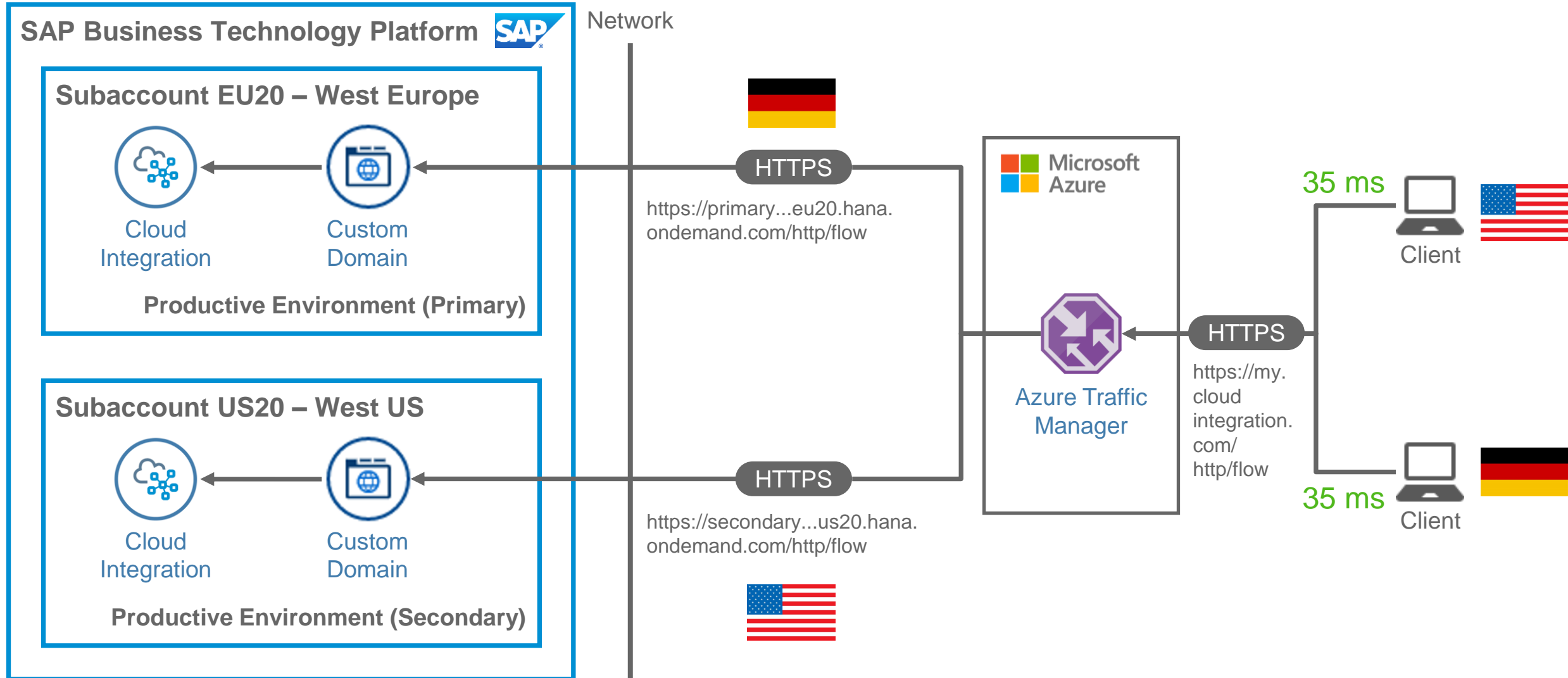


# Common Challenge 2: Latency in a single tenant environment





# Common Challenge 2: Solution



# Implementation Prerequisites

## SAP Prerequisites:

- 2 SAP Cloud Integration tenants in different regions (e.g. EU20/US20)
- SAP Custom Domain Service
- Auxiliary endpoint (custom REST API) in SAP Cloud Integration (used by Azure Traffic Manager)

## Microsoft Prerequisites:

- Azure subscription
- Azure Traffic Manager

## Others:

- Access to the DNS Zone of a domain
- Domain



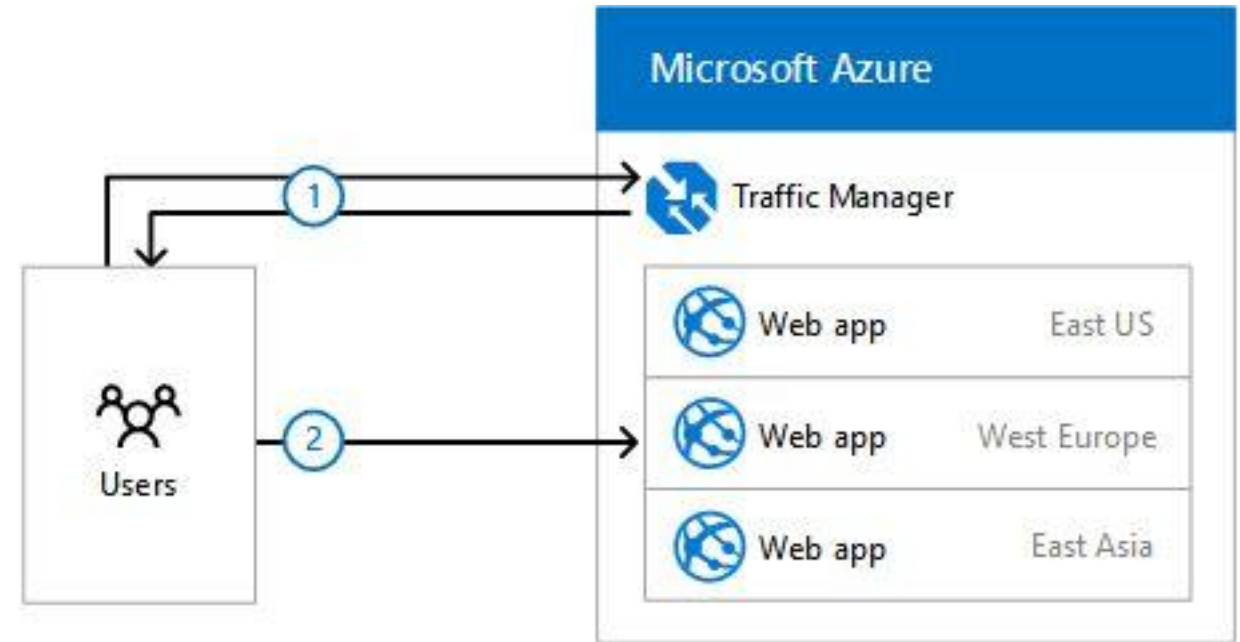
# Azure Traffic Manager

## Azure Traffic Manager:

- DNS with policy engine
- Active health monitoring and automatic failover

## With Azure Traffic Manager you can:

- Load-balance incoming traffic across multiple endpoints – weighted/geographic decisions
- Automatically fail over between endpoints, for high availability
- Easily add/remove endpoints from active use, allowing seamless upgrades



# Demo



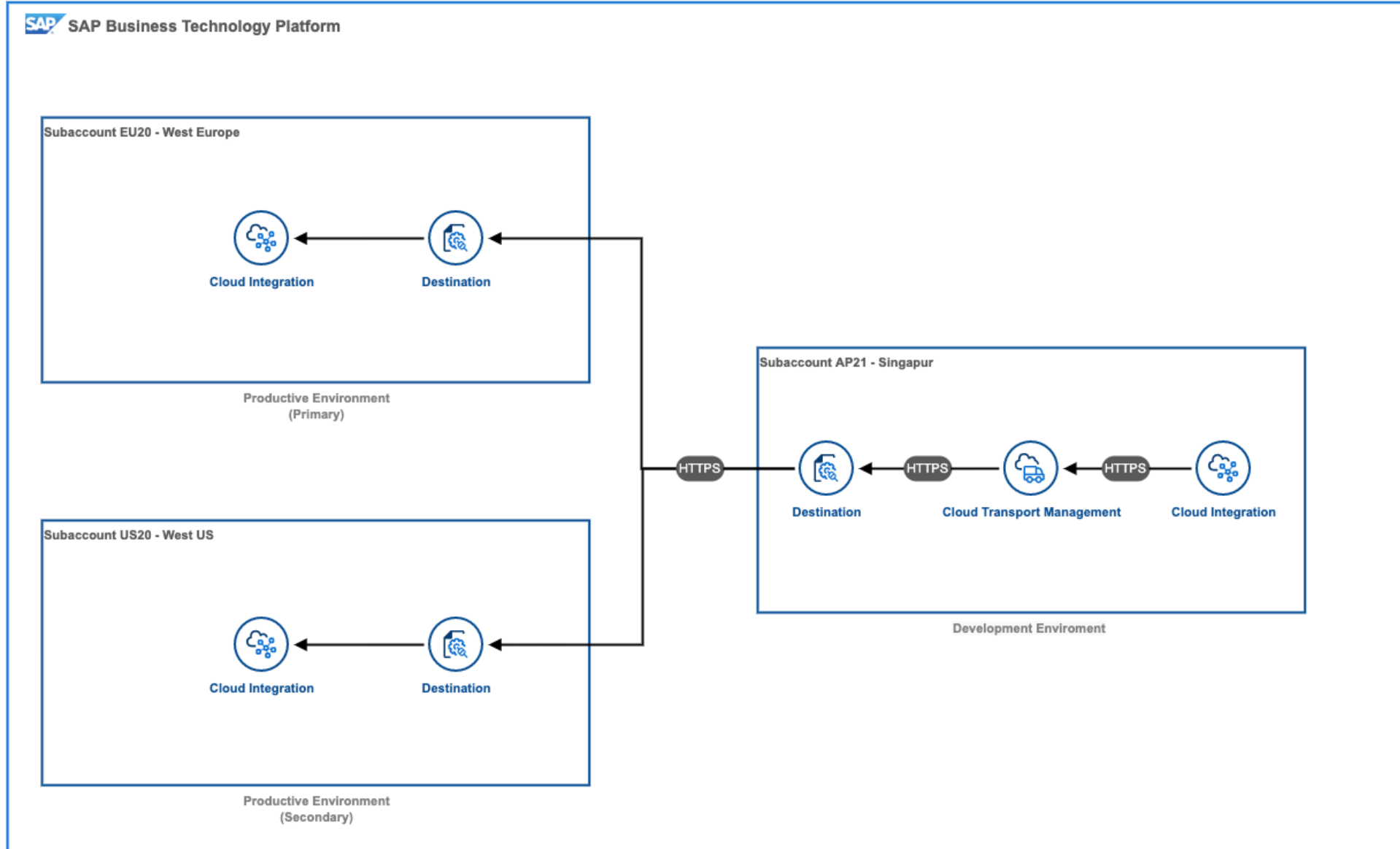
# Side effects and things to keep in mind

## Side effects:

- Multiple **independent** SAP Cloud Integration tenants that need to be synchronized
  - Security Artifacts
  - Integration Content
  - Timer Based Integration Flows

***Scenario should be applied to all involved systems (like S/4, etc.)***

# Side effect: Sync tenants (Integration Content)



# Tutorial & Further Reading

## Discovery Center:

<https://discovery-center.cloud.sap/missiondetail/3603/3646>

## Further Reading:

- Blog Post: [How to crash your iflows and watch them failover beautifully](#) (featuring Azure Front Door) by Martin Pankraz, Microsoft
- Blog Post: [Second round of crashing iFlows in CPI and failing over with Azure – even simpler](#) (featuring Azure Traffic Manager) by Martin Pankraz, Microsoft

# Thank you.

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