

# 1.0 Problem Statement

## [Return to User Scenario: Identity](#)

Nancy is a USA citizen and plans a month-long European vacation with 4 major legs all within the Schengen Agreement Zone<sup>1)</sup>.

Many companies have adopted [Multifactor Authentication \(MFA\)](#) to help avoid fraudulent activities.

Nancy needs to identify herself while planning for the trip and during the trip, potentially exposing a lot of [Personal Identifiable Information \(PII\)](#), [Digital Signature](#) as well as financial information (i.e., Credit Cards, Debit Cards, etc.) to numerous people in numerous countries from the beginning to the end. In addition to the exposure of her PII to the corporations, businesses, and individuals that she has direct business with, she also has to worry about her PII being processed by partner organizations working with businesses she is working with. As a result of poor [Data Residency](#) requirements, her PII might be processed and stored across the world thus limiting her ability for recourse if there are compromises. See [4.3.4.1 Confidentiality](#).

An overview of the trip is:

1. A river cruise along the Rhine River visiting some major cities, villages, and historic sites
2. A Paris getaway with cultural, shopping, eating, and clubbing activities
3. A mountain resort adventure with hiking, skydiving, paddleboarding, water skiing, and kayaking
4. A casino experience with shows, clubbing, and gambling
5. Nancy does all the bookings in advance for:
  1. Airplane
  2. Cruise ships
  3. Trains
  4. Hotel In Paris
    1. Museum visits
    2. Historical Sights
    3. Restaurants
    4. Discotheque
  5. Resort with some activities such as a
    1. Hiking
    2. Sky Diving
    3. Paddle Boarding
    4. Water Skiing
    5. Kayaking
  6. Casino
    1. Discotheque
    2. Cabaret shows
  7. Long Term Parking

<sup>1)</sup>

**Schengen Agreement**, allows passport-free travel between these 26 countries: Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway,

Poland, Portugal, Slovak Republic, Slovenia, Spain, Sweden, and Switzerland. There are three islands that are also part of the Schengen Zone, even though their borders are outside of the continent: The Azores, Madeira, and the Canary Islands.

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