



Co located events



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# Non Payment Issues

- Not everyone that fails to pay for electricity is trying to steal
  - Understanding of accounting procedures
  - Complexity around tariffs
  - Temporary lack of funds
- Some consumers who apparently pay for electricity are stealing
  - Partial bypass,
  - Manipulation of neutral
  - Collusion

# Understanding Non Payment Issues

- Not everyone that fails to pay for electricity is trying to steal
  - Present consumption information in a simple, easy to understand form
    - kWh or cash
    - Usage data – per day/ month/period
    - Usage pattern analysis for tariff improvement
  - Present the data DIRECTLY to the consumer
    - Display inside a property rather than a walk to the meter
    - By SMS giving details of spend to date
  - Offer incentives
    - Beneficial tariffs for paying on time

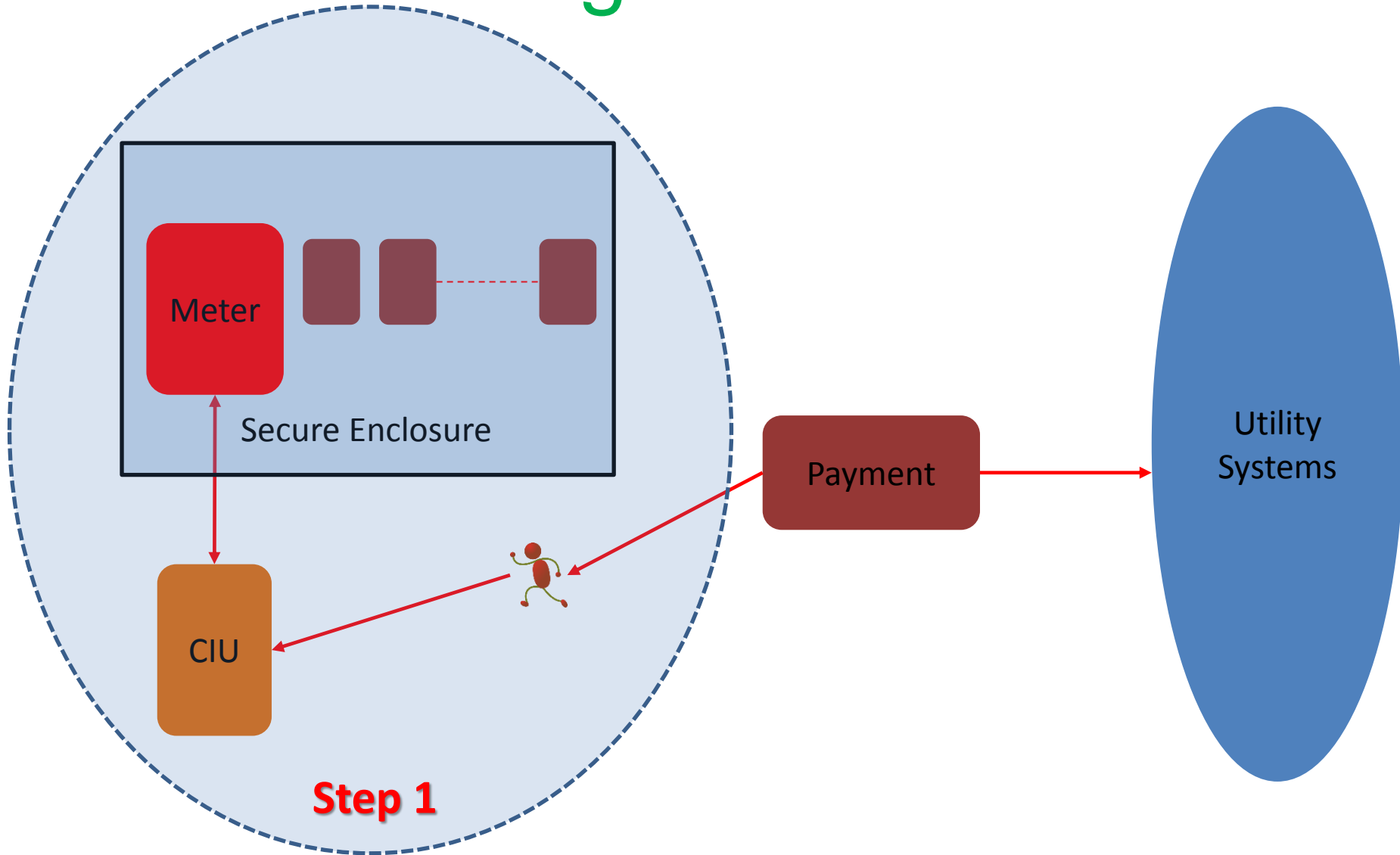
# Understanding Non Payment Issues

- Some consumers who apparently pay for electricity are stealing
  - Move meter out of property
    - Secure enclosure per block or road
  - Ensure installation standards are adhered too
    - Cable tails to be kept short etc....
  - Remove the need for manual meter reading
    - Meter readers move towards revenue protection

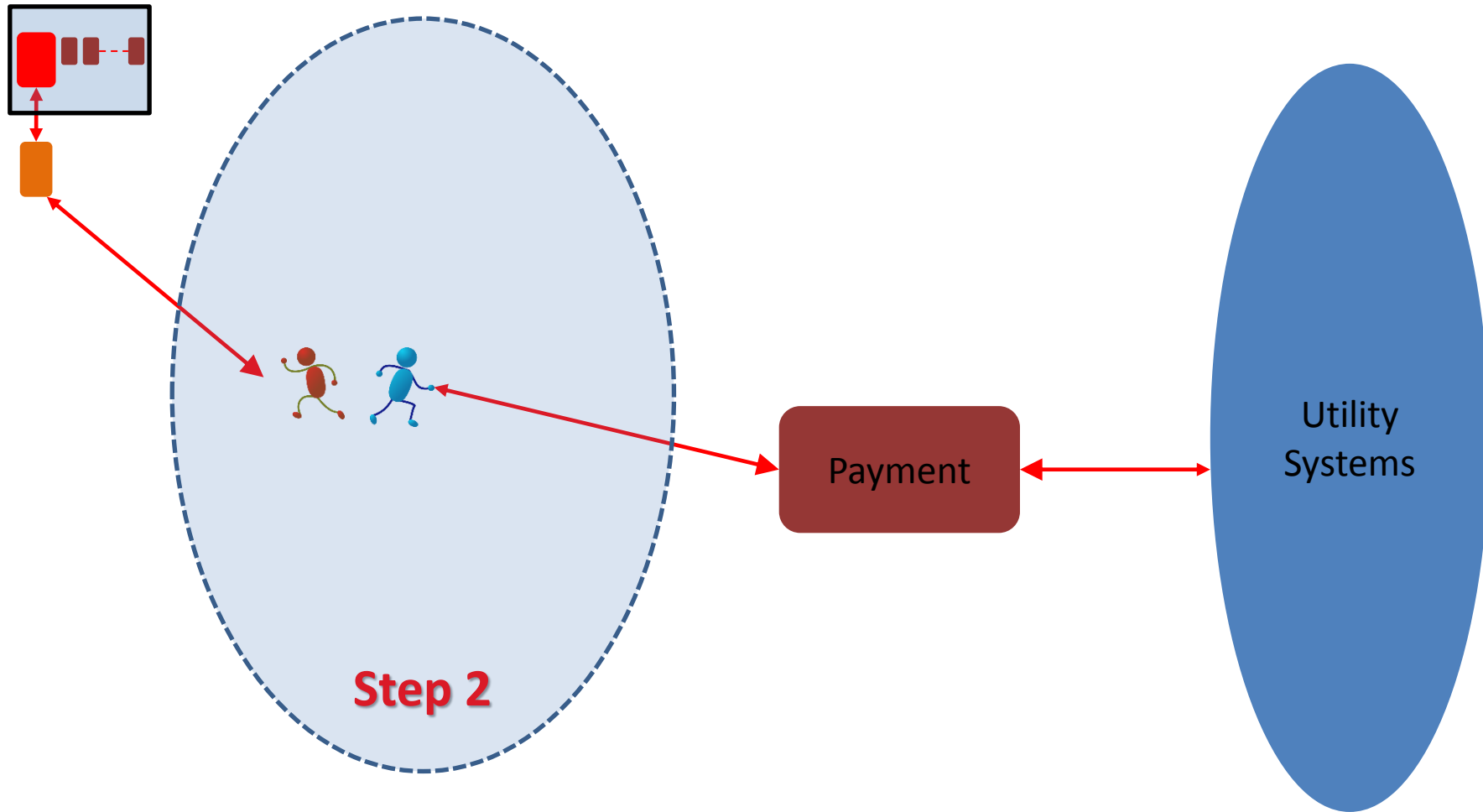
# Solution Requirements

1. Data and infrastructure security
  - a. STS and DLMS/Cosem data transfer allows full encryption based security
2. Split meter and customer interface
  - a. In home reading
  - b. Removes possibility for tampering
3. Frequent data collection from the consumer and check meters
  - a. Allows generation of usage data
  - b. Comparison analysis indicates problems
  - c. Requires appropriate communications infrastructure
4. Accurate billing
  - a. Automatic Meter Reading (AMR)
  - b. Prepayment

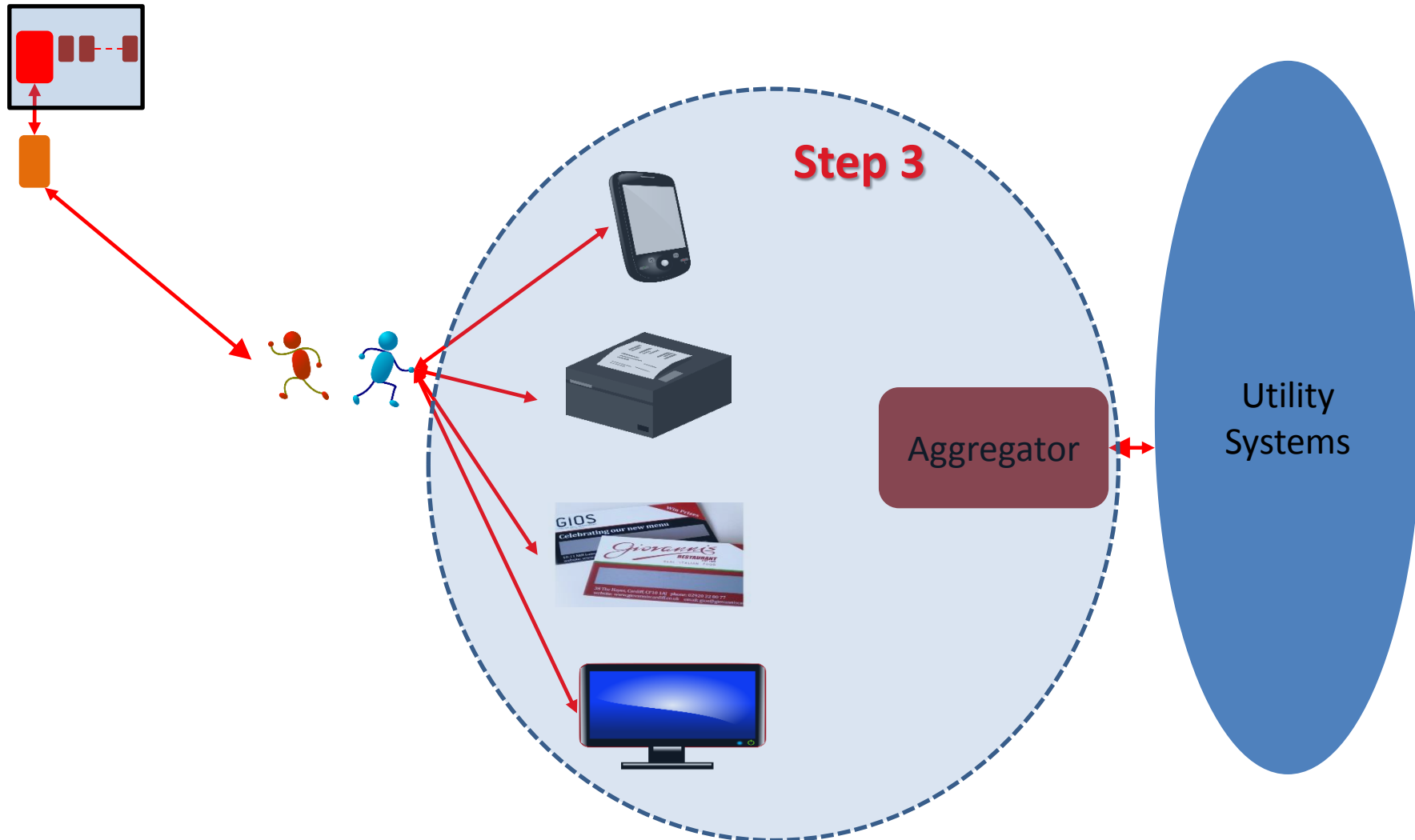
# Crafting a Solution



# Crafting a Solution

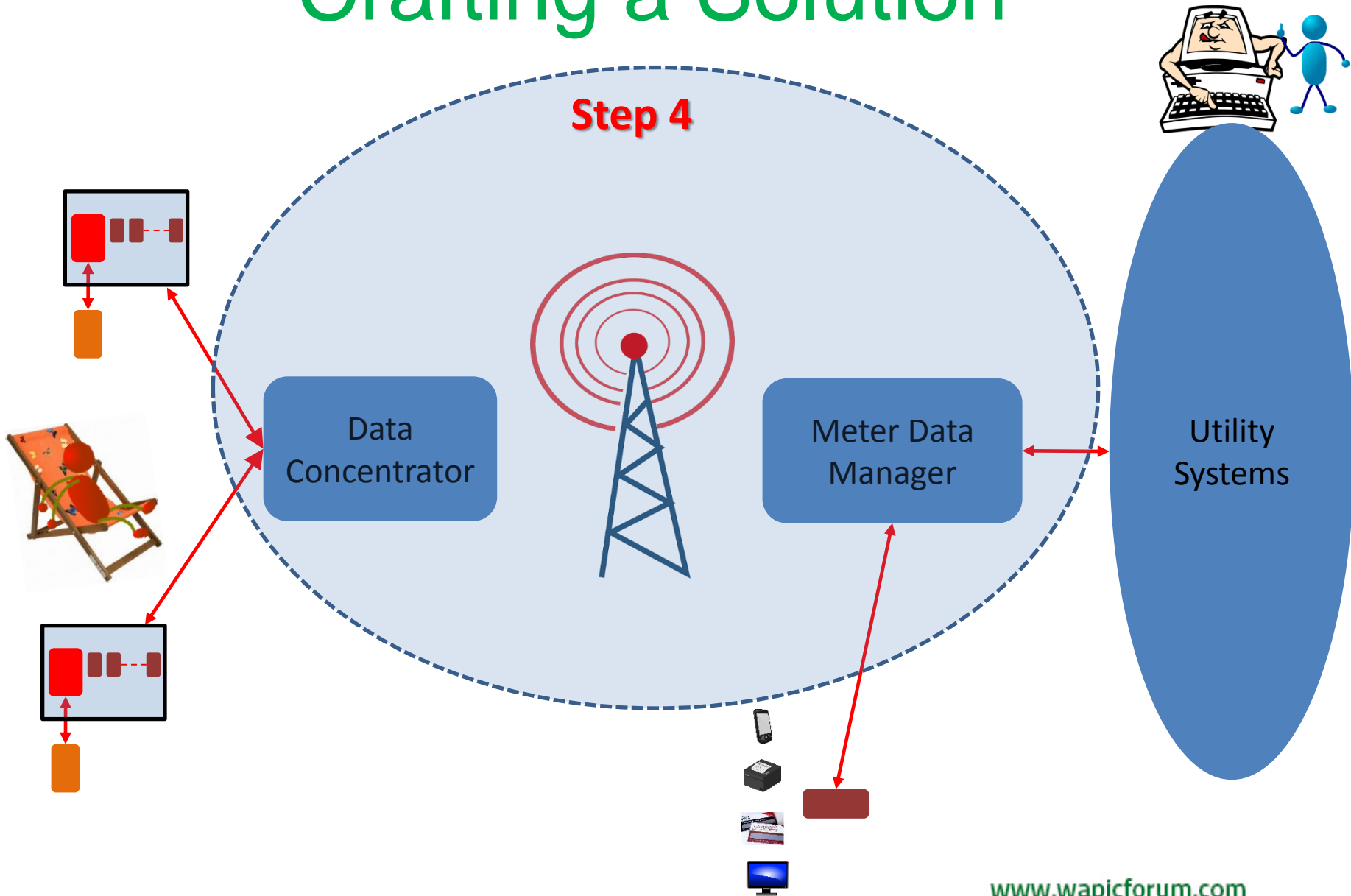


# Crafting a Solution





# Crafting a Solution



**Thank you for  
your attention.**

**Your questions?**