

# Use Cases for In-Network Computing

<https://www.ietf.org/id/draft-irtf-coinrg-use-cases-00.txt>

Ike Kunze, Klaus Wehrle, Dirk Trossen, Marie-José Montpetit

## Industrial Use Cases (Section 4)

- ▶ In-Network Control (4.2)
- ▶ Large Volume Applications (4.3)
- ▶ Industrial Safety (4.4)

## Infrastructure Services (Section 6)

- ▶ **Distributed AI (6.1)**
- ▶ **Content Delivery Networks (6.2)**
- ▶ **CFaaS (6.3)**

## Immersive Experiences (Section 5)

- ▶ **Mobile Application Offloading (5.1)**
- ▶ **Extended Reality (XR) (5.2)**
- ▶ **Personalised and Interactive Performing Arts (5.3)**

Moved from <https://www.ietf.org/archive/id/draft-sarathchandra-coin-appcentres-04.txt>

New contributions

- **Need: New contributors with new use cases**

- ▶ Today's presenters? 😊

- **How To:**

- ▶ Please roughly follow the current taxonomy

- 4.2.1. Description . . . . . 6
    - 4.2.2. Characterization . . . . . 7
    - 4.2.3. Existing Solutions . . . . . 7
    - 4.2.4. Opportunities and Research Questions for COIN . . . . 8
    - 4.2.5. Requirements . . . . . 8

- **Next Steps**

- ▶ Try to incorporate what we heard today
  - ▶ (Start analyzing the use cases)