

# Cyber Ontology: Is it the World Squared?

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# Cyber Ontology

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- I assume we're talking beyond modeling networks and threats and looking at cyber realms such as [Second Life](#)

# Not Fundamentally New

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- Modeling virtual or alternative realities isn't fundamentally new, though it may be getting more attention
- Previous opportunities
  - Fiction
  - Training
  - Modeling and simulation

# Personas

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- A new factor may be modeling multiple online identities for the same person
  - Often don't know the physical identity
  - A persona may have different characteristics
    - A friend of mine is male but has a female avatar in Second Life

# Some Other Dimensions

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- Virtual machines, LANs, private networks, etc.
- Private IP addresses
- Mapping of network resources to mission management

# Technical Support

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- Some logical constructs may be needed/helpful
  - Context mechanisms, e.g. a holdsIn predicate and/or microtheories
  - Defaults, e.g. assume Earth gravity