

# PENIE

Chris Inacio  
[inacio@cert.org](mailto:inacio@cert.org)

# What is it

- An addition of an Option information element that allows a URI pointer to registry description
- Create a definition of the registry that collectors can process

# How to build it

- Option IE is easy: define a new number, and allow a URI inside a variable length element
- Define the registry for describing IE's

# Registry Properties

- Obvious
  - Element names
  - Private enterprise number
  - Description
  - Data type
  - Version

# Registry Properties

- Semantic type
- Units
- Structured data types
  - Structured data relationships
- Business and policy types of entries

# Other functions

- Need to be able to deprecate elements
- Transfer elements from PEN to IANA
- Reuse IE numbers with history information?
- Want a collector to be able to decode things from today, 1 year ago, 5 years ago, etc.