

## Issues

- Partially observable real system
- Various sources of information about the real system
- Working hypothesis hardly modeled and simulated

## Benefits

- ✓ Recreate the real system (Morphose)
- ✓ Creation of hypothetic system based on model federation (Role4All)
- ✓ System modeling (Pimca) and discovery (Morphose) through iterative validation of assumptions

## System Modeling

- System modeling with Pimca DSL
- Various tool with heterogeneous data (Datasheet, Nmap, log files...)

## Model consolidation

- Relation between model elements and data
- Iterative federation of model elements according to observations
- Create hypothetic models

## System simulations

- Simulate the hypothetic models
- Compare real data and simulated data
- Select the hypothetical models consistent with the real data

