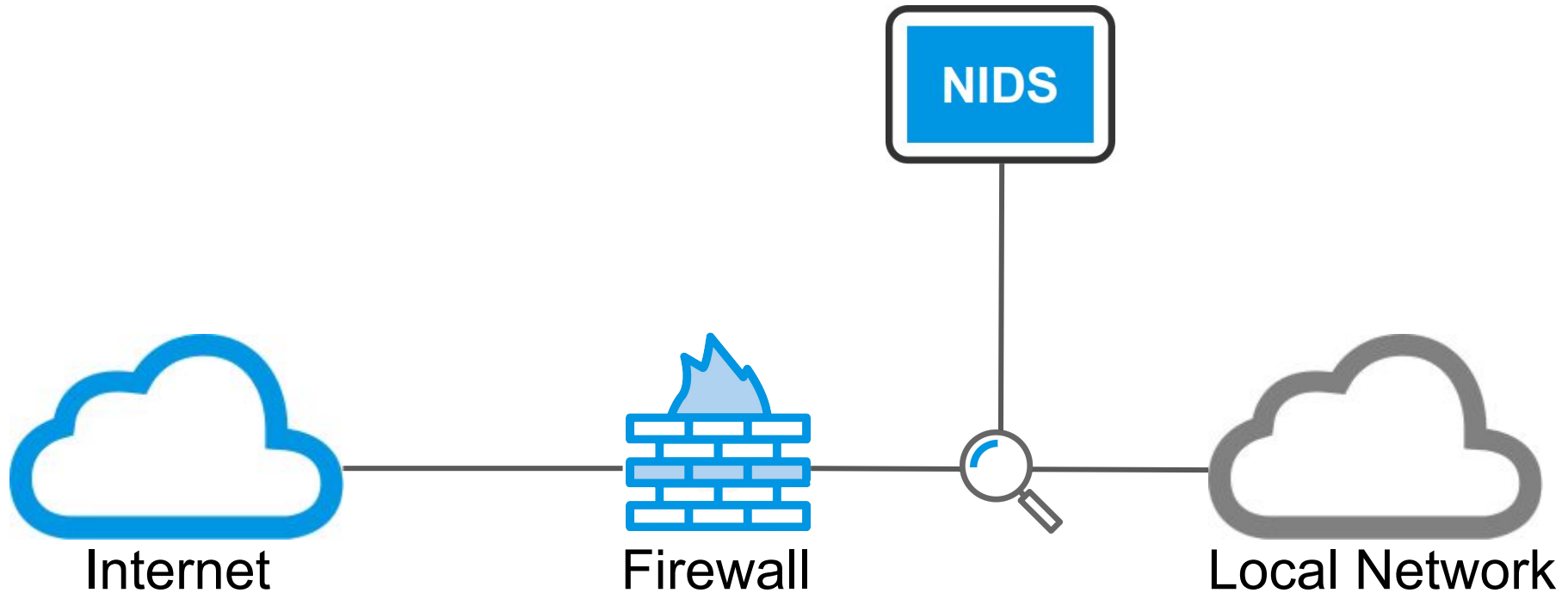


# Syrius

(**S**ynthesis of **S**uricata **R**ules)

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# Network Intrusion Detection Systems (NIDS)



# Two main approaches

Anomaly based:

Can detect  
unknown attacks

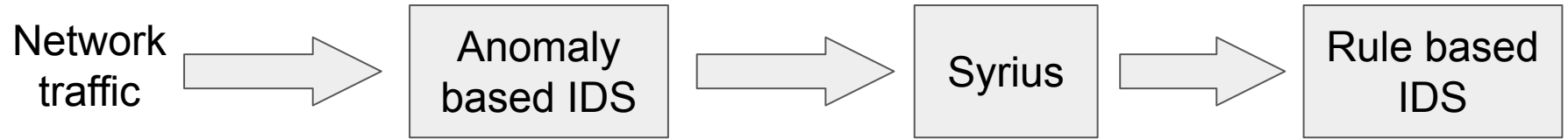
Higher rate of false  
alerts

Rule Based:

Precise for well  
known attacks

**Creating rule sets can  
be time-consuming**

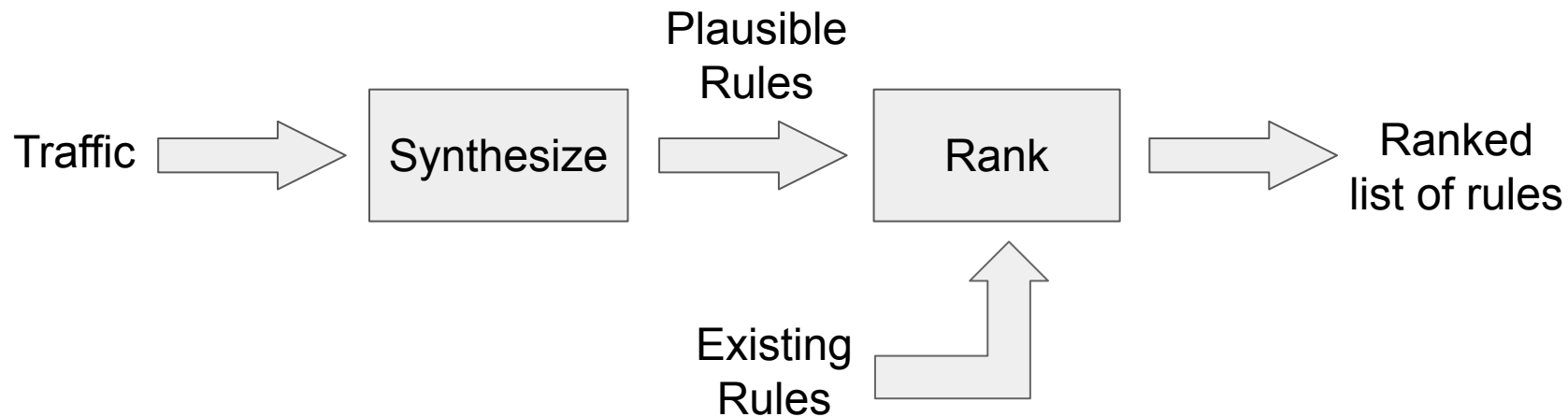
# Our goal: Synthesize rules from traffic



# Current status

- Generating a (huge) set of possible rules
- Sorting this set to get the best rules
  - Problem: The golden rule is far from the top of the sorted set

# Syrius



# Synthesis