

# SPoX – Controlling Skype Over-Notification with Social Semantic Web Policies

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“Deny calls from strangers and open a chat instead.”

“Show me a pop up if one of my Flickr friends goes online.”

“Allow calls from people in my FOAF profile only.”

## Problem:

- Skype client offers only limited control about who can call you, which chats get through, which notifications show up
- It considers only “Skype friends” – but what about the friends on Flickr, my followers on Twitter, my FOAF friends?
- No way to automatically react to calls (e.g., forwarding, cancelling)



## Solution:

**SPoX – Skype Policy Extension:** Reactive Semantic Web Policies based on Social Semantic Web data

- User can set up reactive policies in an Event-Condition-Action fashion
- Decisions can be based on
  - Social Semantic Web data (FOAF, DBLP)
  - Proprietary Social Network APIs (Twitter, Flickr, Skype)
- Behaviour of Skype is driven accordingly via Skype's Java API
- Advanced policy negotiations are carried out over the Skype application channel
- Allows for digitally signed credentials
- Based on a rule based policy engine (Protune)

