



## Additional Features

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# Outline



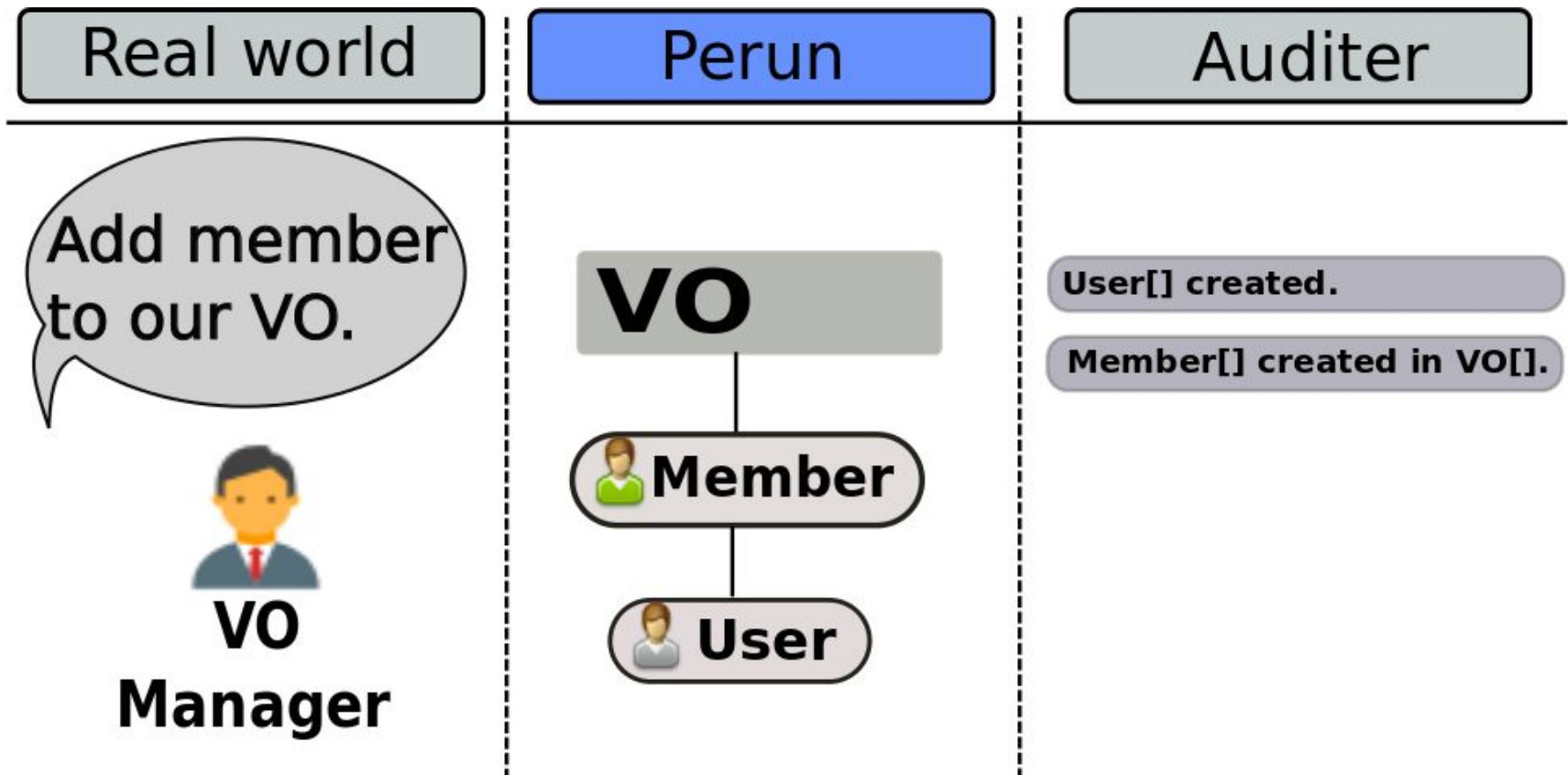
- Auditer
- Notifications
- API/Mini applications
- Service Users
- VO Observer
- Resource Manager
- Security Teams
- Facility contact groups
- Already managed by Perun

# Auditer



- Every successful operation is audited
- Auditer produces audit logs: textual representation of operation and entities involved
- Audit log can be read by consumers
- Auditer tracks consumed messages by every consumer

# Auditer

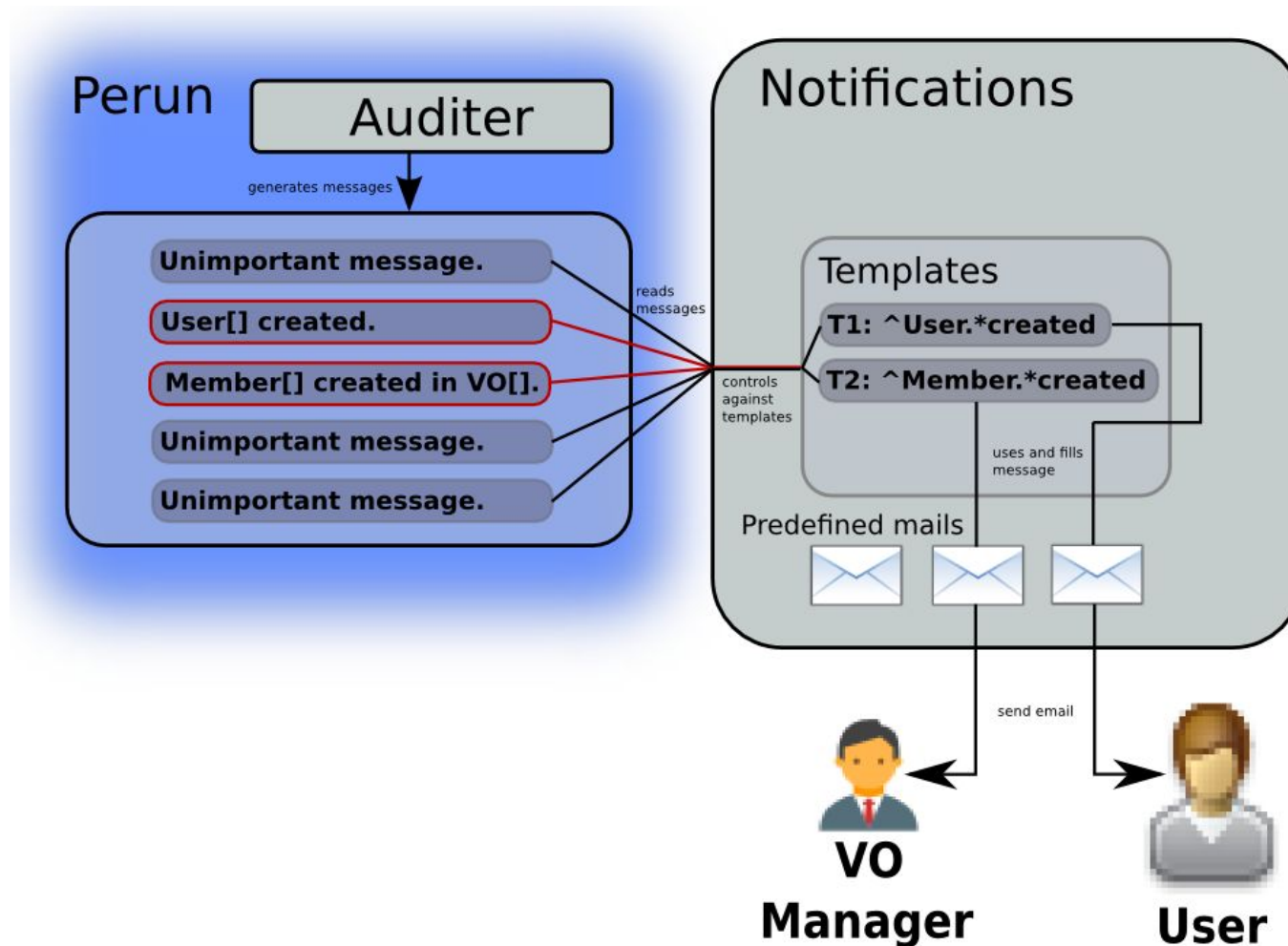


# Notifications



- Reads audit log
- Custom messages based on events occurred in audit log
- Multilingual support
- Notifications based on templates uses
  - Data from audit logs
  - Data from Perun
- Example:
  - Notification about membership expiration

# Notifications



# API/Mini applications



- Perun provides REST-like interface over HTTPs
- CLI
- Perl and PHP binding
- JavaScript library
  - Mini applications - dedicated web based applications
  - Example: user-profile
- Available also via OIDC

# Service Users



- Special variant of normal user
- Usually used for automatic systems
  - backuping, nagios etc.
- Don't want to lose this settings with a person is leaving (e.g.: nagios administrator)
- Normal Users are assigned to this Service User
  - they have rights to work with it, use it
  - have responsibility for this service User



# Service Users



**Perun** **CESNET**

Name: **Michal Štáva** Role: **PERUN ADMIN** **Logout**

**Perun admin**

**VO manager**

**CESNET** ID: 81 Short name: cesnet

**Members** **Groups** **Resources** **Applications**

**Add** **Remove** **Create service member**

**1** **2** **3**

**Create service member**

**1. Create service identity**

Member's name:

Member's email:

Namespace:

Login:

User cert DN:

CA cert DN:

**Optional** **Continue**

**Group manager**

**Facility manager**

**User**

# VO Observer



- Role in the Perun system
- Similar to VO Manager
- Can read the same data
- Can't modify anything
- For the User support purpose
  - e.g.: bad settings of User's attributes
- For the supervisors
  - statistics, overview etc.

# Resource Manager



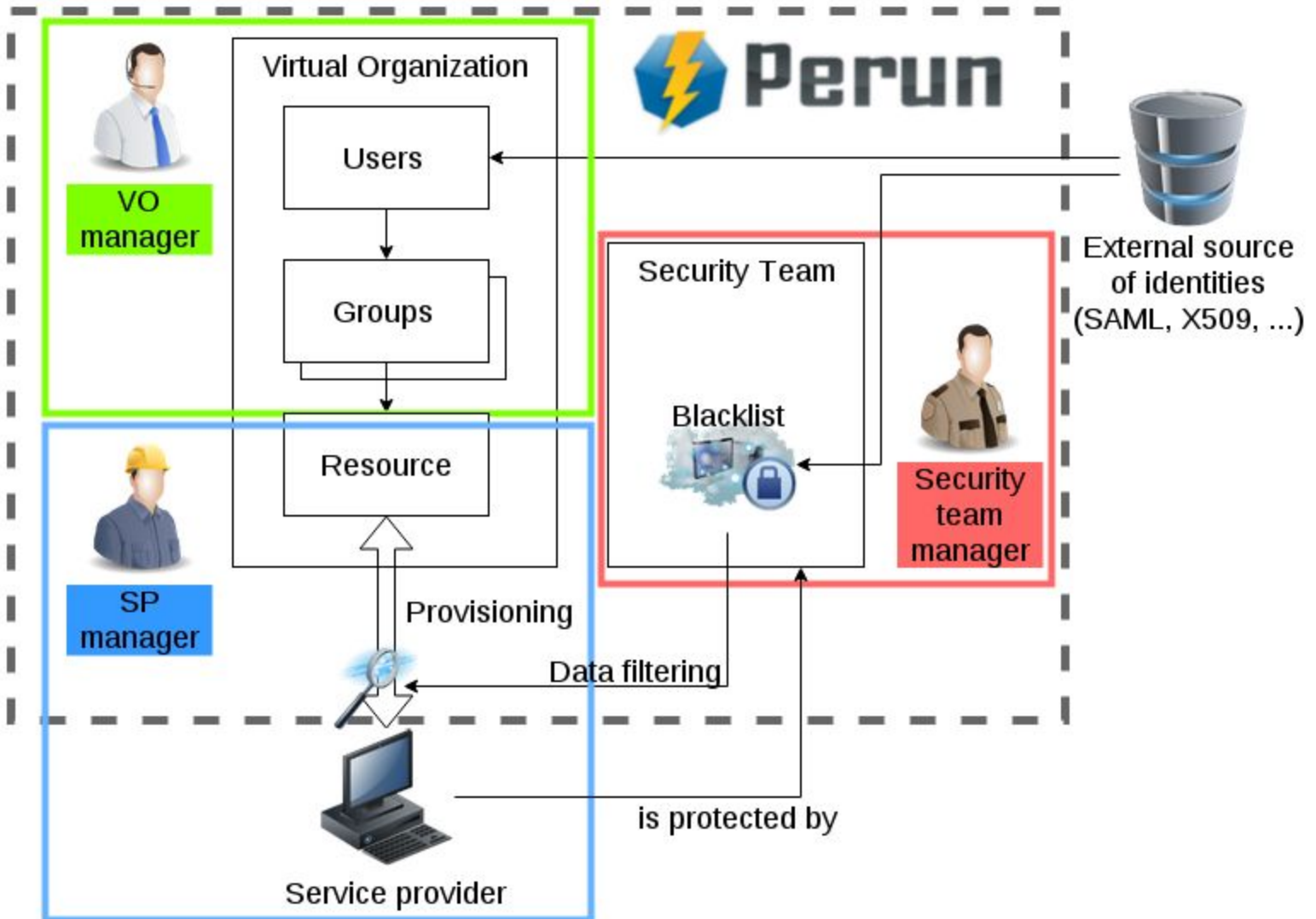
- Role in the Perun system
- By default only VO manager can assign groups to resources
- Resource manager can assign groups to his/her resources
- Useful for big VOs like ELIXIR

# Security Teams



- Entity in Perun
  - has managers
  - publish blacklist of users
- Every Facility can assign one or more Sec. Teams
  - has to trust in the Team
- Blacklisted users are:
  - not propagated by Services to Destinations
  - or marked there

# Security Teams (2)



# Owners evidence



- For evidence and information purpose
- Evidence, who is responsible for particular facility or service
  - Not a role inside Perun
- Slightly out of general scope of Perun