Magic

Middleware for collaborative Applications
and Global vIrtual Communities

Requirements and existing GMF solutions

MAGIC WP3, Vienna

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MAGIC WP3 Meeting

Groups in Federations Discussion

D3.3 Planning and design requirements

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- Base on standards protocols (VOOT, SCIM, etc..)
- Unique global group identifiers
- Be able to GET:
  - “What groups user A belongs to”
  - “User A is admin of that group?”
  - “List of members of group A”
- User/domain management interface
  - Import users from legacy systems through standard protocols (SQL, LDAP, ..)
- Self-service group management interface
  - For end-users update, revoke membership and permissions.
- Activitie and statistics tracking
- Must allow to obtain user-consent to share group data

Use cases for the pilot

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- ***Authorization***: The service provider provides access to an access controlled resource based on the group information.

- ***Group members action***: The service provider will obtain group members list from the federation, and execute an action (invite, share, etc) for each of its members. A clean example of this is the invitation for a conference to the members of a specific group.

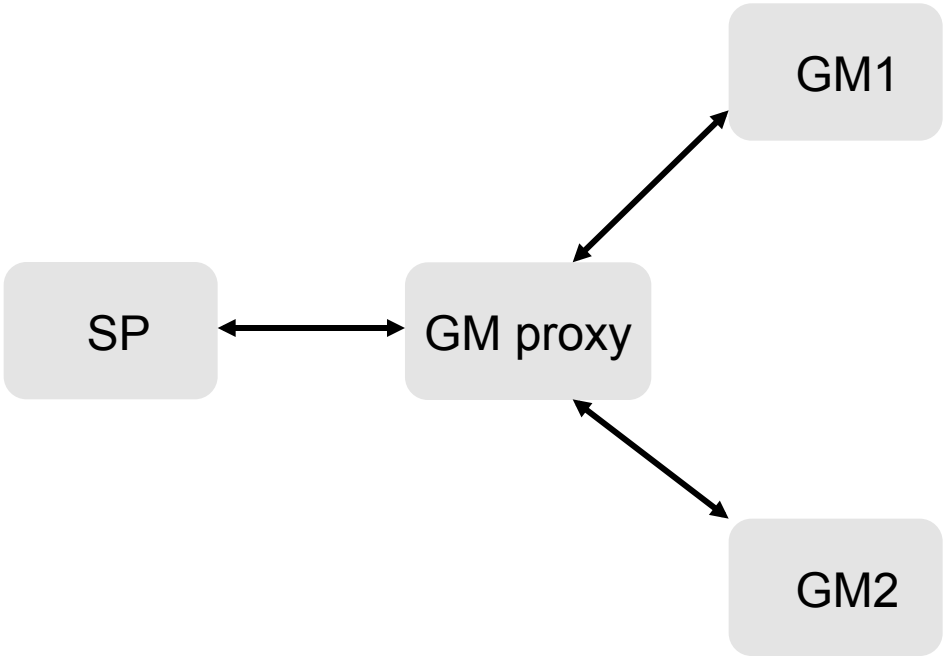
- ***Group mailing list***: The service provider will execute a notification action based on the mailing list address related to the group, and obtained through the standard group management protocol request.

Three (3) suggestions

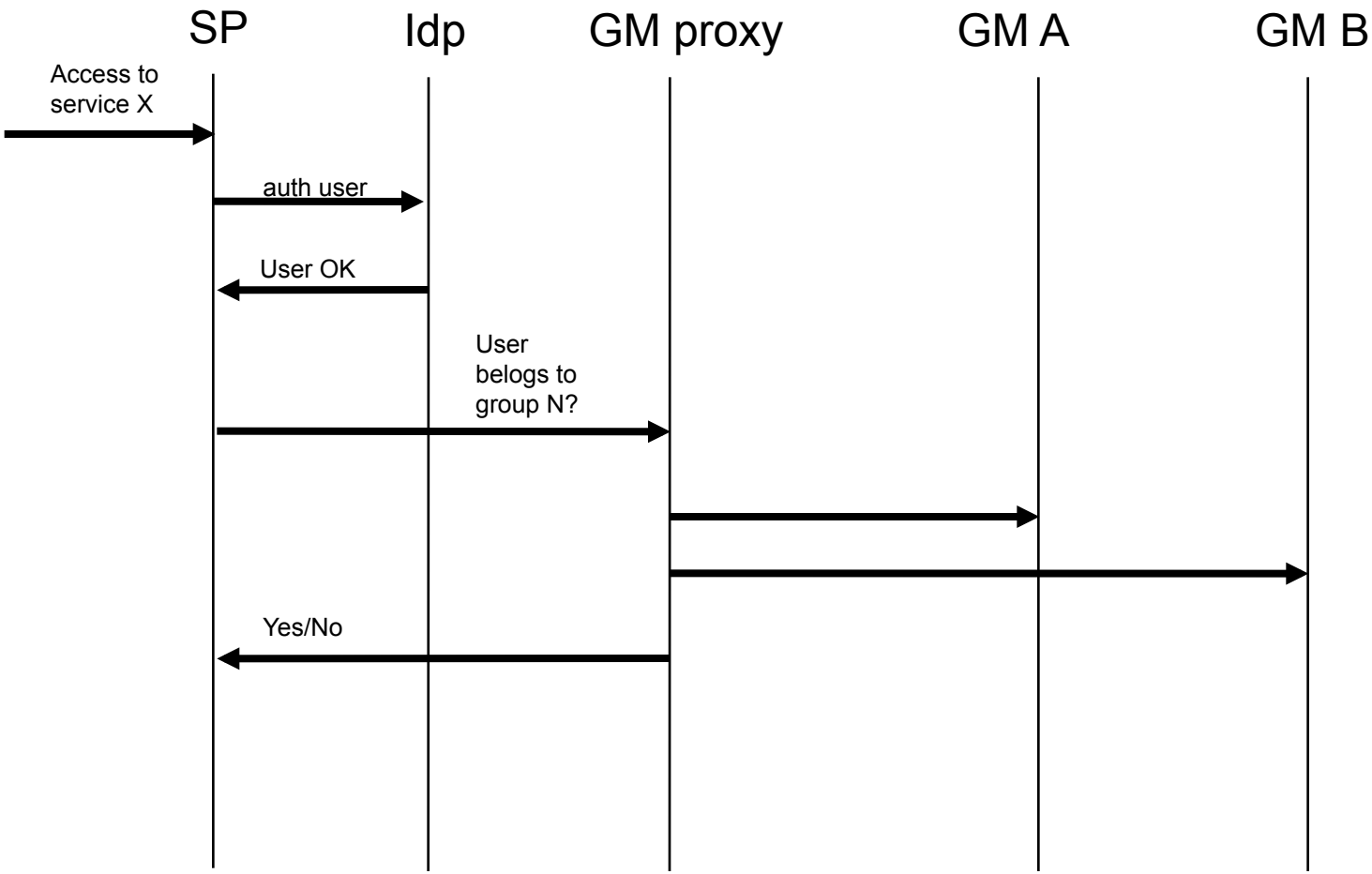
- GMF proxy implementation
- Group management names with group@group_manager identifications
- VOOT/SCIM adding a custom parameter (“Location”)

Group management Proxy

A group manager proxy fetch groups in other domains for user?

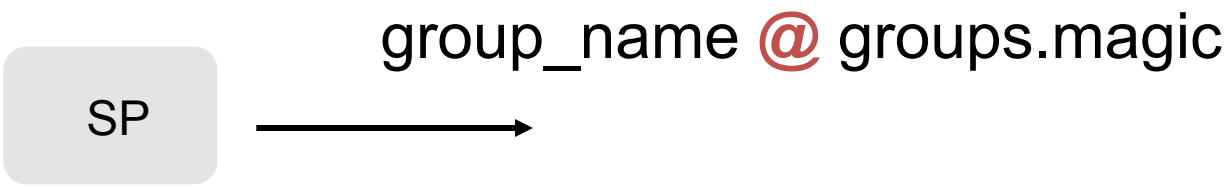


GET group membership



Group names with location name

- Handling groups in the form:



- SP will be responsible to contact group_manager to validate user membership.

VOOT Group type extend

Groups are objects with a few required properties, and some optional. Groups are organized into group types. All groups are of one and only one specific type.

Each group type specifies a set of syntax and semantics for both the group and the membership objects. VOOT pre-defines a set of group types for use in research and educational, however anyone may extend VOOT with new custom group types.

Add a special group type, with a provider field in the group type definition?

```
{
        "id": "magic:federated:...",
        "displayName": {
                "en": "Course",
                "nb": "Emne"
        },
        provider: “groups.redclara.net”
}
```

Some questions

- Resources required
- Performance?
- Real-time or syncing?
- How trust relations could work?

Title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