RESOURCE ALLOCATION IN CIVICRM

ALLOCATE AND MANAGE RESOURCES IN CIVICRM

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RESOURCE EXTENSION
A NEW FRAMEWORK
FOR RESSOURCE ALLOCATION

WHAT DO WE WANT?

- Manage resources and its allocations in CiviCRM, e.g. for events like this
- Like CiviBooking - which has been discontinued (afaik)
- BUT: Make the "engine" or "core" flexible enough for other scenarios.
WHAT IS A RESOURCE?

THINK "ROOM 101"!

**SOMETHING (CONCRETE) WE NEED**
We need this resource, e.g. in order to perform a certain task.

**SOMETHING THAT CANNOT BE SHARED**
This resource couldn’t be used at the same time for different things.

**SOMETHING IS LIMITED**
If there was an unlimited amount of this resource around, we wouldn’t have to bother.

DON'T THINK "LOVE"!
We put the core of the new resource management and allocation in an extension: `de.systopia.resource`.

It defines:

- **Resources** - linked to other entities, e.g. individuals
- **ResourceDemand** - specifies a specific need, e.g. volunteers for a conference

Furthermore:

- **ResourceAssignment** - assigns a resource to a demand. The resource defines the demand defines the time slot, e.g. "for the whole event".
- **ResourceUnavailability** - e.g. if a human resource (CiviCRM individual) is sick or on holiday.
Apologies if this was too detailed... …moving on.
YOU CAN'T PICTURE IT?

DEMO TIME
WHAT ABOUT RESOURCES OTHER THAN PEOPLE?

LIKE
- Rooms
- Projectors
- Vehicles
- Equipment...

USE THE ECK!

The Entity Construction Kit lets you:
- define arbitrary types of things
- add any number of custom fields
- create any number of objects/instances
- Use those as resources
SOUNDS TOO GOOD?

DISCLAIMERS

- NOT IN PRODUCTION
- RESOURCE AND ECK NOT COMPATIBLE WITH LATEST CIVICRM*
- LARGE SCALE DEPLOYMENT PERFORMANCE NOT TESTED
- SUITABLE FOR PLANNING, NOT REAL-TIME DISPATCH

*) hopefully just some minor adjustments
Details?
Outlook?
Scenarios?
Comments?
COMMENTS OR QUESTIONS?

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ABOUT SYSTOPIA

WE CREATE FREE SOFTWARE.

- more than 10 years of CiviCRM consulting, implementation and development
- over 150 clients from the non profit sector
- more than 100 CiviCRM extensions published under a free license
- CiviCRM gold partner and contributor